

International Council for the Study of Viruses and Virus Diseases of Grapevine (ICVG)

BIBLIOGRAPHY ON GRAPEVINE VIRUSES, VIRUS AND VIRUS-LIKE DISEASES up to 1984(5).

This computerized bibliography was presented to the participants of the 11th meeting of the International Council for the Study of Viruses and Virus Diseases of Grapevine, Montreux, Switzerland, September 1993. It contains 1937 references from the beginning of grapevine virology to 1984(5).

The first 271 references are from the first Bibliography of ICVG, "Bibliographie des viroses de la vigne des origines à 1965" prepared by A.Caudwell and published in 1965 by the Office International de la Vigne et du Vin (OIV), 11, rue Roquépine, F-75008 Paris. It is now out of print. The references were entered into the database by R.Bovey. Some of them were completed and keywords added.

The next 254 references are from the second Bibliography of ICVG, "Les viroses de la vigne, bibliographie de 1965-1970" prepared by A.Caudwell with the collaboration of W.B. Hewitt and R.Bovey, and published in Vitis 11, 303-324, 1972. The references were entered into the database by R.Bovey. Keywords and occasional notes were added.

An other 1412 references are from the 3rd and 4th Bibliographies of ICVG "The viroses and virus-like diseases of the grapevine, a bibliographic report, 1971-1979", by W.B.Hewitt and R.Bovey, published in Vitis 18, 316-376, 1979, and "The viroses and virus-like diseases of the grapevine, a bibliographic report, 1979-1984, by R.Bovey and G.P.Martelli, published in Vitis 25, 227-275, 1986. The references were entered by Mrs Maja Gugerli and P.Gugerli. Keywords were added by R.Bovey.

The forth part of the bibliography distributed during the 11th Meeting of ICVG in Montreux is now contained in the separate Bibliography 1995-1997.

This bibliography has been made with as much care as possible, but no such work can be free of mistake.

Nyon, 25 February 2000, P. Gugerli

Reference List

Abracheva, P. and Tsvetanov, D.(1970). A new virus disease on grapevines in Bulgaria.(In Bulgarian). *Rasht.Zasht.(Plant Protection)* **18(2)**, 25-28.

Keywords: 1453/grapevine/stem pitting/stem grooving/symptoms/Bulgaria

Notes: A description of stem grooving disease in grapevines in Bulgaria. Attempts to transmit the agent to herbaceous hosts by mechanical inoculation failed.

Abracheva, P.(1971). Grapevine virus diseases.(In Bulg.). *Priroda,Bratislava (Czechoslovakia)* **(3)**, 76-79.

Keywords: 1428/grapevine/virus-like diseases/viruses/review/Bulgaria

Abracheva, P.(1971). Serological verification of the fanleaf virus on grapevine in Bulgaria.(In Bulg.). *Rasht.Zasht.(Plant Protection)* **19(5)**, 22-23.

Keywords: 1429/grapevine/fanleaf virus/fanleaf/serology/detection/review/Bulgaria

Notes: A comparative review, history and identification of the grapevine fanleaf virus in grapevines.

Abracheva, P.(1972). Influence of the fanleaf virus on the intensity of transpiration of the vine. *Gradinar.Loazar.Nauka (Hort.Viticult.Sci.)* **9 {4}**, 115-119.

Keywords: 1430/grapevine/fanleaf virus/physiology/Bulgaria

Notes: Studies of the effects of the fanleaf {court-noué} virus on transpiration, translocation and production of chlorophyll.

Abracheva, P.(1973). Le problème de l'obtention de bois et plants de vigne exempts de virus.(In Bulgarian). *Selskostop.Nauka (Agricuilt.Sci.)* **12(2)**, 61-64.

Keywords: 1431/grapevine/selection/indexing/virus-free material/certification/Bulgaria

Abracheva, P.(1973). The grapevine virus diseases in France. *Selskostop.Nauka (Agricuilt.Sci.)* **12(3)** , 79-82.

Keywords: 1432/grapevine/virus diseases/virus-like diseases/France/control/review/Bulgaria

Notes: A historical account of virus diseases reported in France 1853- 1935 and later work on nature, cause and control.

Abracheva, P.(1973). Methods to control the virus diseases in the vine. *Rasht.Zasht.(Plant Protection)* **21(5)**, 9-13.

Keywords: 1433/grapevine/virus diseases/virus-like diseases/control/review/Bulgaria

Notes: A discussion of methods used in control of grapevine virus diseases in other countries and in Bulgaria as work began in 1967.

Abracheva, P.(1973). Caractéristiques biologiques et économiques du virus du court- noué de la vigne.(In Bulgarian, Fr.sum.). *PhD.Diss.,University of Pleven* 1-197.

Keywords: 1434/grapevine/fanleaf/fanleaf virus/yellow mosaic/veinbanding/economic importance/performance/control/Bulgaria

Notes: Identification of 3 strains of fanleaf virus (fanleaf, yellow mosaic, veinbanding) properties of the virus, effects on the infected grapevines and on quantity and quality of yield.

Abracheva, P.(1973). Sur la symptomatologie de "legno riccio" (bois strié) de la vigne en Bulgarie. *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 31-36.

Keywords: 1435/grapevine/legno riccio/stem pitting/bois strié/symptoms/Bulgaria

Notes: Description of wood pitting and grooving.

Abracheva, P.(1974). *Virusni Bolesti po Rasteniyata (Plant Virus Diseases)*. (AnonymousThe Georgi Dimitrov Academy of Agriculture, Sofia. 13-24.

Keywords: 1436/grapevine/fanleaf

virus/identification/physiology/symptoms/yield/performance/serology/indexing/Bulgaria

Notes: Reports on use of four methods of identification including transmission and serology, and reports effects of virus on vine growth, chlorophyll content and yield.

Abracheva, P. and Chalkov, I.(1974). Influence of grapevine leafroll virus on the vine, the fruit, and the wine of the vine Cabernet Sauvignon.(In Bulgarian, Eng., Fr. sum.). *Gradinar.Lozar.Nauka (Hort.Viticult.Sci.)* **11(7)**, 121-126.

Keywords: 1450/grapevine/leafroll/symptoms/yield/performance/quality/Bulgaria

Abracheva, P. and Slavcheva, T.(1974). The effects of fanleaf virus on the intensity of photosynthesis in the grapevine.(In Bulgarian, Russ., Fr. sum.). *Gradinar.Lozar.Nauka (Hort.Viticult.Sci.)* **11(2)**, 125-129.

Keywords: 1452/grapevine/fanleaf virus/symptoms/physiology/Bulgaria

Notes: Fanleaf virus causes a decrease in photosynthesis of about 20% in late-July and early-August.

Abracheva, P. and Tsvetanov, D.(1974). Studies on the symptomatology of grapevine wood pitting disease (legno riccio) in Bulgaria.(In Bulgarian, Russ., Fr. sum.). *Gradinar.Lozar.Nauka (Hort.Viticult.Sci.)* **11(4)**, 106-114.

Keywords: 1454/grapevine/stem pitting/stem grooving/legno riccio/symptoms/Bulgaria

- Abracheva, P.(1975). Research on the development of the root system of grapevines with yellow mosaic.(In Russian, Eng., Fr. sum.). *Gradinar.Loazar.Nauka (Hort. Viticult. Sci.)* **12(4)**, 99-103.
Keywords: 1437/grapevine/growth/fanleaf virus/yellow mosaic/Bulgaria
Notes: A comparative study of the root systems of diseased and normal vines
- Abracheva, P.(1975). Effects of yellow mosaic on the composition of free amino acids in grape leaves. *Gradinar.Loazar.Nauka (Hort. Viticult. Sci.)* **12(5)**, 123-127.
Keywords: 1438/grapevine/fanleaf virus/yellow mosaic/physiology/Bulgaria
Notes: In Bulgarian, French and Russian sum.
- Abracheva, P.(1975). The vine roncet (fanleaf) virus.(In Bulgarian). *Zasht.Bilja (Plant Protection)* **23(1)**, 25-29.
Keywords: 1439/grapevine/fanleaf virus/symptoms/fanleaf/yellow mosaic/veinbanding/performance/yield/physiology/Bulgaria
Notes: A popular account on three forms of the grapevine fanleaf virus, shape and size of particles, transmission and effects of diseases on vine physiology, composition, and yield.
- Abracheva, P.(1976). The influence of fanleaf virus upon vine growth and fruit bearing.(In Bulgarian). *Rasht.Zasht.(Plant Protection)* **24(12)**, 37-39.
Keywords: 1440/grapevine/fanleaf virus/growth/yield/symptoms/performance/Bulgaria
Notes: An account of the effects of the virus on metabolism, growth and fruiting.
- Abracheva, P.(1977). The chlorophyll content of vine leaves as influenced by the court-noué (fanleaf virus).(In Bulgarian, Eng.sum.). *Gradinar.Loazar.Nauka (Hort. Viticult. Sci.)* **14(8)**, 102-106.
Keywords: 1441/grapevine/symptoms/physiology/chlorophyll/Bulgaria
- Abracheva, P.(1977). Changes in chlorophyll content of grapevine leaves due to fanleaf virus infection.(In Russian). *Fiziol.Vinogr.Losi (Sofia)* 471-478.
Keywords: 1442/grapevine/fanleaf virus/physiology/chlorophyll/symptoms/Bulgaria
- Abracheva, P.(1977). *Technologia viractchinvajja besvirunava posadachnava materiala plodovih kultur i vinograda*. (AnonymousKishinev. 144-148.
Keywords: 1443/grapevine/stem pitting/Bulgaria
- Abracheva, P.(1977). Grapevine leafroll.(In Bulgarian). *Rasht.Zasht.(Plant Protection)* **25(9)**, 32-33.
Keywords: 1444/grapevine/leafroll/symptoms/occurrence/Bulgaria
- Abracheva, P.(1977). *Virusni i micoplasmeni bolesti po kulturnite rastenia*. (Kovatchevski, A.e.al., Ed.) Zemisdar, Sofia. 290-293.
Keywords: 1445/grapevine/stem pitting/leafroll/flavescence dorée/yellows/Bulgaria
- Abracheva, P.(1978). Réaction de la vigne aux maladies à virus (Grapevine reaction to virus diseases).(In Bulgarian). *Vnedreni novosti* **9**, 20-27.
Keywords: 1446/grapevine/virus diseases/virus-like diseases/symptoms/Bulgaria
- Abracheva, P.(1978). *Sbornik 75 godini Institut po lozarstvo in vionarstvo, Pleven (Publication on the 7th Anniversary of the Institute of Viticulture and Enology, Pleven*. (AnonymousInstitute of Viticulture and Enology, Pleven, Bulgaria. 185-192.
Keywords: 1447/grapevine/stem pitting/legno riccio/variatal sensitivity/symptoms/Bulgaria
- Abracheva, P.(1978). Sensitivity of some grapevine varieties and rootstocks to stem pitting disease.(In Bulgarian). *Dokl.na I.Nazionalen simposium po imunitet na rastenijata kam bolestirastenijata* **3**, 128-131.
Keywords: 1448/grapevine/stem pitting/variatal sensitivity/symptoms/Bulgaria

- Abracheva, P.(1978). Sensibilité de quelques variétés de vignes et des porte-greffes à la maladie legno riccio (Sensitivity of some grapevine cultivars and rootstocks to legno riccio disease)(stem pitting). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 163-169.
Keywords: 1449/grapevine/stem pitting/stem grooving/legno riccio/varietal sensitivity/symptoms/Bulgaria
Notes: Stem grooving symptoms show in a number of varieties and rootstocks. In mother vine plants, St. George showed a higher degree on contamination than 41 B and 5 BB.
- Abracheva, P., Martelli, G.P., Quacquarelli, A., and Savino, V.(1978). A possible virus disease of Rcaziteli vines in Bulgaria. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 127-130.
Keywords: 1451/grapevine/yellow speckle/symptoms/Bulgaria
Notes: Vines of cultivar Rcaziteli has symptoms that resemble yellow speckle.
- Abracheva, P.(1979). Problems of viral disease of grapevine and their control.(Bulg.). *Selskostop.Nauka (Agricuilt.Sci.)* **17**, 75-79.
Keywords: 2184/grapevine/virus diseases/virus-like diseases/control/Bulgaria
- Abracheva, P.(1979). Grapevine vein mosaic in Bulgaria. *Gradinar.Loazar.Nauka.{Hort.Viticult.Sci.* **16**, 100-104.
Keywords: 2185/grapevine/vein mosaic/Bulgaria
- Abracheva, P.(1979). La mosaïque des nervures de la vigne en Bulgarie (Grapevine vein mosaic in Bulgaria). *Phytopathol.Mediterr.* **18**, 180-182.
Keywords: 2187/grapevine/vein mosaic/Bulgaria
- Abracheva, P.(1980). Effect of some viral diseases on the development of grapevine. *Rasht.Zasht.(Plant Protection)* **28(6)**, 31-33.
Keywords: 2188/grapevine/fanleaf/yellow mosaic/leafroll/stem pitting/varietal sensitivity/performance/Bulgaria
- Abracheva, P.(1980). *Plant Virology. Proceedings of the 8th Conference of Czechoslovak Plant Virologists.* (Valenta, V., Ed.) 407-409.
Keywords: 2189/grapevine/virus diseases/virus-like diseases/control/general/Bulgaria
- Abracheva, P., Savino, V., and Martelli, G.P.(1980). Mechanically transmissible viruses of grapevine in north- eastern Bulgaria. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 87-94.
Keywords: 2196/grapevine/fanleaf virus/Bulgarian latent virus/occurrence/Bulgaria
Notes: GFLV was isolated from 7 varieties. Grapevine Bulgarian latent virus from one plant only.
- Abracheva, P.(1981). La sensibilité de certaines variétés de vigne à la maladie du bois strié (legno riccio) (Sensitivity of some grapevine cultivars to stem pitting/legno riccio). *Phytopathol.Mediterr.* **20**, 203-205.
Keywords: 2190/grapevine/stem pitting/varietal sensitivity/performance/Bulgaria
- Abracheva, P. and Chalkov, I.(1982). Economic importance of some virus diseases of grapevine in Bulgaria.(In Bulgarian with Russ., Fr. sum.). *Gradinar.Loazar.Nauka (Hort.Viticult.Sci.)* **19**, 75-85.
Keywords: 2195/grapevine/virus diseases/virus-like diseases/fanleaf/leafroll/stem pitting/Rcazitelli disease/economic importance/Bulgaria
- Abracheva, P.(1983). Something new about the sensitivity of some Vitis vinifera and direct producer hybrid varieties to the stem pitting disease (legno riccio) (In Bulgarian with Russ. Eng. sum.). *Proc.2nd International Symposium on Immunity of Plants,Plovdiv,Bulgaria,1982* **III**, 207-215.
Keywords: 2191/grapevine/stem pitting/varietal sensitivity/Bulgaria

- Abracheva, P.(1983). *Phyziologiya Vinograda i Osnovi evo Vozdelivaniya (Vol.II)*. (AnonymousBulgarian Academy of Sciences, Sofia, Bulgaria. 227-238.
Keywords: 2192/grapevine/virus diseases/virus-like diseases/symptoms/growth/yield/performance/Bulgaria
- Abracheva, P.(1984). Use of tissue cultures for obtaining virus-free grapevine planting material. *Selskostop.Nauka (Agricuilt.Sci.)* **22**, 77-82.
Keywords: 2193/grapevine/tissue culture/virus elimination/virus-free material/Bulgaria
- Abracheva, P.(1985). Etudes sur le bois strié (legno riccio) de la vigne en Bulgarie. Transmission par greffage et sensibilité des variétés à la maladie (Studies on stem pitting of grapevine in Bulgaria. Graft transmission and varietal sensitivity). *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 60-63.
Keywords: 2194/grapevine/stem pitting/graft transmission/varietal sensitivity/Bulgaria
- Abramenko, N. and Sultanova, O.D.(1977). *Technologia virastvanija bezvirusnogo posdotchnogo materiala plodovich cultur i vinograda (Technology of production of virus-free planting material in viticulture)*. (AnonymousPublishing House Shtiintsa, Kishinev, Moldavia. 28-37.
Keywords: 1455/grapevine/heat therapy/virus diseases/virus-like diseases/mycoplasma-like organisms/yellows/USSR/Moldavia
Notes: Cure of vines infected by yellow mosaic virus by heat treatment {70 d, 35-40° C} and culture of isolated buds taken from young shoots.
- Accotto, G.P.(1982). Immunosorbent electron microscopy for detection of fanleaf virus in grapevine. *Phytopathol.Mediter.* **21**, 75-78.
Keywords: 2197/grapevine/fanleaf virus/detection/immunosorbent electron microscopy/Italy
- Adlerz, W.C. and Hopkins, D.L.(1976). Natural infectivity of two vectors of Pierce's disease of grape in Florida (Abstr. No. S-1). *Proc.Amer.Phytopathol.Soc.* **3**, 333-333.
Keywords: 2164/grapevine/Pierce's disease/leafhopper/sharpshooter/vector/transmission/USA
- Adlerz, W.C. and Hopkins, D.L.(1977). Transmission of Pierce's disease of grapes by sharpshooters (Homoptera: Cicadellidae) in Florida. *J.N.Y.Entomol.Soc.* **85**, 163-164.
Keywords: 2165/grapevine/Pierce's disease/sharpshooter/vector/transmission/USA
- Adlerz, W.C. and Hopkins, D.L.(1979). Natural infectivity of two sharpshooter vectors of Pierce's disease of grape in Florida. *J.Econ.Entomol.* **72**, 916-919.
Keywords: 2198/grapevine/Pierce's disease/sharpshooter/vector/USA
- Agrios, G.(1971). A stem pitting disease of grapevine in Greece. *Plant Dis.Repr.* **55**, 869-871.
Keywords: 1456/grapevine/stem pitting/Greece
Notes: General observations and symptoms of the disease.
- Alazraqui, J.(1910). Gomosis bacilar y court-noué en los vinedos de Mendoza (Bacterial gummosis and court-noué in the vineyards of Mendoza). *Buenos-Aires,Min.Agr.* 33 pp.-33 pp.
Keywords: 1387/grapevine/bacterium/court-noué/gummosis/hypothesis/Argentina
Notes: Reference omitted in the previous ICVG bibliography. In Spanish. Court-noué=symptom of short internode.
- Alcalde, A.J.(1961). Alteraciones morfológicas observadas en la variedad vinífera Barbera d'Asti. (Morphological alterations observed on the variety Barbera d'Asti). *IDIA,Buenos Aires* (**160**), 39-44.
Keywords: grapevine/morphology/fanleaf/field observations/Argentina
Notes: In Spanish

- Alcalde, A.J.(1962). La dégénérescence infectieuse de la vigne dans la République Argentine.(Infectious degeneration of grapevine in Argentina). *Bull.O.I.V.* **35**, 1655-1663.
Keywords: grapevine/coulure/fanleaf/court-noué/field observations/infectious degeneration/Argentina
Notes: Proceedings of the IIIrd International Conference for the Study of Virus Diseases of Grapevine, Lisbon, Portugal, 21-23 May 1962, organized by OIV. In French.
- Aldwinckle, H.S. and Buturac, I.(1980). Culture of grape cultivars from apical meristems. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 339-341.
Keywords: 2199/grapevine/meristem tip culture/New York/USA/meeting/ICVG
- Alexandri, Al.V. and David, Z.(1961). Observatii noi asupra unui mozaic al vitei de vie în podgoria Minis. (Our observations on a mosaic of grapevine in the region of Minis). *Communicarile Academiei Republicii Populare Romine*. **11(11)**, 1383-1391.
Keywords: grapevine/mosaic/Rumania/field observations
Notes: In Rumanian
- Alfaro Garcia, A.(1971). Presencia en España del virus del "fanleaf" de la vid.(Occurence of fanleaf in Spain). *An.INIA,.Ser.Protect.Veg.* **1**, 71-81.
Keywords: 1457/grapevine/fanleaf/Spain
Notes: Fanleaf virus and its vector *Xiphinema index* are frequent in the Jerez area.
- Alfaro, A. and Goheen, A.C.(1974). Transmission of strains of grapevine fanleaf virus by *Xiphinema index*. *Plant Dis.Reptr.* **58**, 549-552.
Keywords: 1458/grapevine/fanleaf virus/strains/transmission/*Xiphinema index*/California/USA
Notes: Identical transmission of strains of the virus by the vector.
- Alghisi, P.(1954). Sulla degenerazione infettiva della vite. *Ann.Sperim.Agr.* **N.S. 8 Suppl.3**, 36-76(*).
Keywords: grapevine/degenerazione infettiva/fanleaf/infectious degeneration/field observations/Italy
Notes: (*) Continued in Suppl. 4, I-6 and 5, 1-38. In Italian.
- Allen, W., Dias, H.F., and Davidson, T.R.(1969). Virus disease problems in Ontario fruit orchards and vineyards. *Canada Agriculture* **14(1)**, 18-20.
Keywords: 1388/grapevine/viruses/virus-like diseases/Ontario/Canada
- Allen, W. and Dias, H.F.(1977). Properties of the single protein and two nucleic acids of tomato ringspot virus. *Can.J.Botany* **55**, 1028-1037.
Keywords: 1459/grapevine/tobacco ringspot virus/coat proteins/nucleic acid/Ontario/Canada
Notes: Virus isolates studied included grapevine yellow vein, peach yellow bud mosaic from peach and apricot and from Seibel 9549 Ontario.
- Allen, W.R., Dias, H.F., and Van Schagen, J.G.(1982). Susceptibility of grape cultivars and rootstocks to an Ontario isolate of tomato ringspot virus. *Can.J.Plant Pathol.* **4**, 275-277.
Keywords: 2200/grapevine/tomato ringspot virus/variety sensitivity/variety/rootstock/Ontario/Canada
- Allen, W.R. and Van Schagen, J.G.(1982). Tomato ringspot virus in European hybrid grapevines in Ontario: a re-evaluation of the incidence and geographic distribution. *Can.J.Plant Pathol.* **4**, 272-274.
Keywords: 2201/grapevine/tomato ringspot virus/occurrence/economic importance/Ontario/Canada
Notes: 128 vineyards surveyed, 300000 vines. De Chaunac 0.2% infected in 1975, 0.4 in 1981.
- Allen, W.R. and Van Schagen, J.G.(1982). The virus-tested grapevine program at Vineland. *Canada Agriculture* **27**, 10-13.

- Keywords:** 2202/grapevine/clonal selection/virus-free material/control/virus diseases/virus-like diseases/Ontario/Canada
- Allen, W.R., Van Schagen, J.G., and Eveleigh, E.S.(1982). Transmission of peach rosette mosaic virus to peach, grape, and cucumber by Longidorus diadecturus obtained from diseased orchards in Ontario. *Can.J.Plant Pathol.* **4**, 16-18.
Keywords: 2203/grapevine/peach rosette mosaic virus/nematode/transmission/Longidorus diadecturus/Ontario/Canada
Notes: Transm. PRMV to grapevine, peach and cucumber by L. diadecturus.
- Alley, C.(1954). Grape virus diseases tackled. *West.Fruit Grower* **8(4)**, 30-31.
Keywords: 1389/grapevine/viruses/virus-like diseases/review/USA
- Alley, C.J., Goheen, A.C., Olmo, H.P., and Koyama, A.T.(1963). The effect of virus infections on vines, fruit and wines of Ruby Cabernet. *Amer.J.Enol.Vitic.* **14**, 164-170.
Keywords: grapevine/general/performance/economic importance/symptoms/field experiment/USA
- Alley, C.J.(1964). Maintenance and distribution of virus-disease free propagating materials. *Intern.Plant Propagators' Soc.Combined Proc.* **14**, 318
Keywords: virus-free material/control/USA/distribution
- Alpi, A.(1973). La coltura "in vitro" di meristemi apicali di specie arboree con particolari riferimenti alla vite (In vitro culture of apical meristems of woody plants with special reference to grapevine). *Riv.Ortoflorofrutticoltura Italiana* **57(4)**, 268-280.
Keywords: 1460/grapevine/meristem tip culture/in vitro culture/review/Italy
Notes: Description of the method and review of the literature, with special reference to grapevine.
- Amici, A.(1959). Prove preliminari di confronto sulla sintomatologia di piante virusate mantenute, dopo l'infezione, a luce artificiale e naturale (Preliminary experiments comparing the symptomatology of virus-infected plants maintained, after infection, under artificial or natural illumination). *Ric.Scientif.* **29**, 991-997.
Keywords: grapevine/fanleaf/symptomatology/light/Italy
Notes: In Italian
- Amici, A., Baldacci, E., and Refatti, E.(1959). In merito all'utilizzazione di piante test erbacee nella diagnostica della virosi della vite (degenerazione infettiva) per inoculazione meccanica (On the use of herbaceous test plants for the diagnosis of virus diseases of grapevine (infectious degeneration) by mechanical inoculation). *Riv.vitic.enol.Conegliano* **12**, 103-108.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/diagnosis/herbaceous hosts/mechanical transmission/fanleaf/Italy
Notes: In Italian. Also published in the Annals of the Faculty of Agriculture, Milano, N.S. Nr 7, 41-48.
- Amici, A., Baldacci, E., Belli, G., Betto, E., Raski, D.J., and Refatti, E.(1964). Ricerche con Xiphinema index Thorne et Allen isolato in vigneti italiani, quale vettore di virus della vite (Research on Xiphinema index Thorne et Allen isolated in Italian vineyards, a vector of grapevine virus). *Riv.Patol.Veg.* **3 (S.III)**, 120-128.
Keywords: grapevine/Xiphinema index/vector/fanleaf/transmission/Italy
Notes: In Italian.
- Amici, A.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 346-349.
Keywords: grapevine/Xiphinema index/nematode/vector/occurrence/Italy/meeting/ICVG

- Notes:** Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965. See also Riv.Pat.Veg., S.IV, 3, 85-88, 1967.
- Amici, A.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 349-353.
Keywords: grapevine/Xiphinema index/populations/nematode/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965. See also Riv.Pat.Veg., S.IV, 3, 99-104, 1967.
- Amici, A.(1965). Ulteriori ricerche sulla diffusione di Xiphinema index e sulla presenza di altri nematodi nei vigneti italiani. (Further research on the diffusion of Xiphinema index and on the presence of other nematodes in Italian vineyards). *Riv.Pat.Veg.* **S.IV, 1**, 109-128.
Keywords: grapevine/Xiphinema index/nematode/occurrence/Italy
Notes: In Italian
- André, S.(1909). Enquête sur le court-noué (Enquiry on fanleaf). *Progr.Agric.Vitic.* **2**, 570-572.
Keywords: grapevine/court-noué/fanleaf/France
Notes: In French.
- Anonyme(1947). Le court-noué de la vigne en Bulgarie. (Fanleaf of grapevine in Bulgaria). *Bull.O.I.V.* **20(198)**, 74-76.
Keywords: grapevine/fanleaf/occurrence/Bulgaria
Notes: Report of Stoyan Martinov at the 26th session of the OIV Committee.
- Anonyme(1947). Court-noué Vigne. Actes 26e session plénière du Comité directeur de l'OIV, Paris, 25.6 et 2.7.1947. (Fanleaf of grapevine. Proceedings of the 26th plenary session of the directorial committee of OIV, Paris). *Bull.O.I.V.* **20 (196)**, 4-10.
Keywords: grapevine/fanleaf/OIV/meeting/France
- Anonyme(1962). Ile Conférence internationale pour l'étude des maladies à virus de la vigne. Lisbonne, 21-23 mai 1962. (Third International Conference for the study of virus diseases of grapevine). *Bull.O.I.V.* **35 (381)**, 1456-1478.
Keywords: virus diseases/grapevine/conference/OIV/ICVG
Notes: The third OIV conference on grapevine virus disease was also the beginning of the International Council for the Study of Viruses and Virus Diseases of Grapevine, ICVG. The first ICVG meeting was held at Changins/Nyon (Switzerland) in 1964.
- Anonymous(1947). Le court-noué de la vigne en Bulgarie. (Grapevine fanleaf in Bulgaria). *Bull.OIV* **20(198)**, 74-77.
Keywords: fanleaf/Bulgaria/court-noué/grapevine
Notes: In French
- Anonymous(1971). Diseases of cultivated plants observed in Greece from 1962 to 1967. *Ann.Inst.Phytopathol.Benaki* **10**, 70-118.
Keywords: 1461/grapevine/virus-like diseases/Greece
Notes: Reports of observations of grapevine virus-like diseases.
- Anonymous(1979). Il legno riccio della vite in Italia (Grapevine legno riccio disease of grapevine in Italy). *Informatore Fitopatol.* **29**, 3-18.
Keywords: 2204/grapevine/legno riccio/stem pitting/rugose wood/meeting/Italy
Notes: Proceedings of a meeting on legno riccio of grapevine held at Sassari, Sardinia, in May 1978.
- Anonymous(1980). *Report 1977-1979, CSIRO Division of Horticultural Research, Australia.* (Anonymous1-126.

Keywords: 2205/grapevine/indexing/leafroll/yellow speckle/fleck/summer mottle/symptoms/Australia

Anonymous(1984). VIIIe réunion du Conseil international pour l'étude des virus et des maladies virales de la vigne (8th Meeting of ICVG). *Progr.Agric.Vitic.* **101**, 487-495.

Keywords: 2206/grapevine/meeting/ICVG/report

Notes: Report on the 8th meeting of ICVG at Niagara Falls, Canada, 1980.

Antcliff, A.J.(1973). Comparison of some local and imported clones of important wine grape varieties.

Austral.Grapegrower Winemaker **113**, 3-4.

Keywords: 1462/grapevine/selection/performance/Australia

Notes: Local selections were found equal to imported ones. Some imported clones were virus infested. Yields are given for Riesling, Sémillon and Cabernet Sauvignon.

Antcliff, A.J., Woodham, R.C., and Cellier, K.M.(1979). A comparison of 182 Sultana clones selected for yield. *Austral.J.Agricult.Res.* **30**, 1111-1122.

Keywords: 2207/grapevine/leafroll/yield/performance/economic importance/clonal selection/Sultana/Australia

Notes: Leafroll reduced yield by about 15%.

Arias, M. and Navacerrada, G.(1973). Geographical distribution of Xiphinema COBB in Spanish vineyards.

Nematol.Mediterr. **1**, 28-35.

Keywords: 1464/grapevine/Xiphinema/occurrence/Spain

Arias, M. and Navacerrada, G.(1976). Nematodes on the Spanish vine crops. *Poljoprivredna znanstvena smotra - Agriculturae Conspectus Scientificus* **39**, 587-591.

Keywords: 1465/grapevine/Xiphinema index/Xiphinema italiae/Spain

Notes: Xiphinema index frequently found in association with fanleaf in Jerez, and X. italiae in several spots in Navarra.

Arias, M.(1978). Nematodos posibles transmisores de virus en los vinedos espanoles (Potential nematode vectors o virses in Spanish vineyards). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 247-250.

Keywords: 1463/grapevine/virus diseases/nepovirus/nematodes/vector/Xiphinema/Longidorus/Spain

Notes: Members of genus Xiphinema found most frequently, Longidorus spp. in less than 0.5% of cases.

Arnaud, G. and Arnaud, M.(1931). AnonymousTraite de Pathologie Vegetale, Paris, Vol.1. 611-630.

Keywords: grapevine/court-noué/fanleaf/roncet/general/France

Notes: Handbook in French.

Arnaud, G.(1937). Les maladies à virus des plantes.VI. Maladies à virus de la vigne et Court-Noué.(Virus diseases of plants.IV.Virus diseases of grapevine and court-noué). *Progr.Agric.Vitic.* **1**, 113-141.

Keywords: grapevine/virus diseases/fanleaf/court-noué/general/France

Notes: In French

Auger, J.(1974). *Etiology and diagnosis of Pierce's disease of grapevines.*, Ph.D.Diss., University of Californis, Davis, Calif., USA.

Keywords: 1466/grapevine/Pierce's disease/etiology/bacterium/Lactobacillus/California/USA

Notes: A report that Lactobacillus sp. was the causal agent of Pierce's disease.

Auger, J., Shalla, T.A., and Kado, C.I.(1974). Pierce's disease of grapevines: evidence for a bacterial etiology. *Science* **184**, 1375-1377.

Keywords: 1468/grapevine/Pierce's disease/etiology/bacterium/Lactobacillus/California/USA

- Notes:** The authors claimed that a species of *Lactobacillus* was the causal agent of Pierce's disease.
- Auger, J., Shalla, T.A., and Kado, C.I.(1974). Bacterium discovered to be cause of Pierce's disease of grapevines. *California Agriculture* **28(10)**, 8-10.
Keywords: 1469/grapevine/Pierce's disease/etiology/bacterium/*Lactobacillus*/California/USA
Notes: Popular account of the *Lactobacillus* claimed to be the causal agent of Pierce's disease.
- Auger, J. and Shalla, T.A.(1975). The use of fluorescent antibodies for detection of Pierce's disease bacteria in grapevines and insect vectors. *Phytopathology* **65**, 493-494.
Keywords: 1467/grapevine/Pierce's disease/immunofluorescence/serology/identification/bacterium/*Lactobacillus*/California/USA
Notes: Fluorescent antibodies were used to detect the presence of *Lactobacillus* in insect vectors and plant materials.
- Avgelis, A. and Xafis, C.(1978). Presence of enations in Razaki grapevines in Crete (Greece). *Phytopathol.Mediter.* **17**, 195
Keywords: 1470/grapevine/enation/Crete/Greece
- Avgelis, A.D.(1980). Presence of enation disease in "Razaki" grapevines in Crete. *Phytopathol.Mediter.* **19**, 72
Keywords: 2208/grapevine/enation/occurrence/Greece/Crete
- Avramov, L. and Hrcek, L.(1975). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport Yougoslave. (Present situation in genetical and sanitary clonal selection. Methods and results. Yugoslav report). *Bull.OIV* **48(532)**, 511-519.
Keywords: 1471/grapevine/clonal selection/sanitary selection/Yugoslavia
- Ayuso, P. and Peña-Iglesias, A.(1978). Microinjerto de meristemas: Una nueva y prometedora técnica para regenerar vides enfermas por virus (Micrografting of meristems: a new promising technique for curing virus-infected grapevines). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 319-323.
Keywords: 1472/grapevine/heat therapy/indexing/micrografting/meristem tip culture/Spain
Notes: Plants given heat treatment for periods of 1 to 3 months at 37° C and excised meristems (0.2-0.3 mm) grafted into green rootstock cultured in vitro.
- Ayuso, P., Villegas, T., and Peña, A.(1983). *Comptes rendus du Symposium International "Raisin de table, raisin sec", Heraklion, Grèce, 5-11-septembre 1982.* (AnonymousOffice International de la Vigne et du Vin (OIV), Paris, France. 497-504.
Keywords: 2209/grapevine/propagation/in vitro/Spain
- Azeri, T.(1980). The first report of stem pitting and fleck disease on Turkish grapevines. *J.Turk.Phytopathol.* **9**, 97-106.
Keywords: 2210/grapevine/stem pitting/occurrence/Turkey
- Babini, A.R., Credi, R., Giunchedi, L., and Canova, A.(1981). Effetto di infezioni virali su alcuni portainnesti della vite (Effect of virus infections on some grapevine rootstocks). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite,Venezia* 310-318.
Keywords: 2212/grapevine/symptoms/rootstock/fanleaf virus/yellow mosaic/leafroll/yield/performance/Italy
- Babini, A.R. and Bertaccini, A.(1982). Viral aggregates induced by a distinctive strain of strawberry latent ringspot virus from grapevine. *Phytopathol.Z.* **104**, 304-308.
Keywords: 2211/grapevine/strawberry latent ringspot virus/electron microscopy/symptoms/ultrastructure/Italy

- Babovic, M. and Perisic, M.(1977). Some observations on the occurrence of virus diseases in vineyards of Serbia.(In Serbo-Cr.). *Savjetovanje o ekskoriozi i virusnim bolestima vinove loze (Proc.Conf.on Excoriosis and Virus Diseases of Grapevine) Hepok,Mostar (Yugosl.)* 107-115.
Keywords: 1473/grapevine/viruses/virus-like diseases/fanleaf/leafroll/Yugoslavia
- Baggiolini, M., Canevascini, V., Caccia, R., Tencalla, Y., and Sobrio, G.(1968). Présence dans le vignoble du Tessin d'une cicadelle néarctique nouvelle pour la Suisse, *Scaphoideus littoralis* Ball. (Hom., Jassidae), vecteur possible de la flavescence dorée. (Occurrence of a nearctic leafhopper new for Switzerland, *Scaphoideus littoralis* Ball. (Hom. Jassidae), possibly vector of flavescence dorée, in vineyards of Tessin). *Bull.Soc.Entomol.Suisse* **60**, 270-275.
Keywords: grapevine/flavescence dorée/vector/*Scaphoideus littoralis*/Tessin/Switzerland
Notes: In French
- Bailova-Yankulova, M.(1971). Viruses and virus diseases in grapevine.(In Bulgarian). *Rasht.Zasht.(Plant Protection)* **19(5)**, 16-22.
Keywords: 1474/grapevine/viruses/virus-like diseases/tobacco mosaic virus/Bulgaria
Notes: A review article on subject over world literature and work carried out in Bulgaria. Reports isolation of a strain of TMV from grapes.
- Balbach, H.(1939). Untersuchungen über die Reisigkrankheit der Weinrebe. 2. Der stoffliche Aufbau der Zellstäbe, mit besonderer Berücksichtigung des Zellfadens (Investigations on the "Reisigkrankheit" of grapevine. 2. The formation of trabeculae, with special reference to the cell spindle). *Wein u.Rebe* **21**, 318-340.
Keywords: grapevine/trabeculae/Reisigkrankheit/fanleaf/nepovirus/cell morphology/Germany
Notes: In German
- Baldacci, E.(1959). Virosi e miglioramento genetico della vite.(Virus diseases and genetic improvement of grapevine). *Not.Mal.Piante* **47-48 (N.S. 26-27)**, 29-37.
Keywords: grapevine/virus diseases/genetic improvement/general/Italy
Notes: In Italian
- Baldacci, E., Amici, A., Bonola, P., Betto, E., Fogliani, G., and Refatti, E.(1960). Trasmissione su piante erbacee della virosi della vite nota come "degenerazione infettiva".(Transmission to herbaceous hosts of a virus disease of grapevine called infectious degeneration.). *Ric.Scientif.* **30**, 981-983.
Keywords: grapevine/mechanical transmission/herbaceous hosts/fanleaf/Italy
Notes: In Italian. See also Nature,190,371-372,1961.
- Baldacci, E., Amici, A., Belli, G., Betto, E., Bonola, P., Fogliani, G., Giussani, G., and Refatti, E.(1961). Ricerche sulle malattie da virus della vite: semeiotica, eziologia, perpetuazione e prevenzione.(Research on grapevine virus diseases: symptoms, etiology, perpetuation and prevention). *Riv.Patol.Veg.* **1 (Ser.III)**, 114-231.
Keywords: grapevine/virus diseases/symptoms/etiology/control/general/Italy
Notes: In Italian
- Baldacci, E., Ciferri, R., Corbetta, F., Corte, A., Fogliani, G., and Refatti, E.(1961). Piante"test" arboree per la diagnosi della "degenerazione infettiva" della vite. (Vitis test-plants for diagnosis of infectious degeneration). *Riv.Patol.Veg.* **1 (S.III)**, 261-293.
Keywords: grapevine/fanleaf/indexing/Vitis/diagnosis/field experiment/Italy
Notes: In Italian.
- Baldacci, E., Belli, G., Betto, E., and Refatti, E.(1961). Ulteriori ricerche su test erbacei (*Chenopodium amaranticolor*, *Ch.quinoa*, *Gomphrena globosa*) per le diagnosi di virus in cloni di vite degenerati o selezionati con criteri sintomatologici. (Further research on herbaceous indicators for the diagnosis of viruses in clones of degenerated vines or clones selected visually) (Publ. also in Atti Accad. It.Vite e Vino,14,197-207,1962). *Ann.Fac.Agr.Milano* **10**, 23-32.
Keywords: grapevine/herbaceous hosts/Indicators/*Chenopodium amaranticolor*/*Chenopodium*

quinoa/Gomphrena globosa/fanleaf/Italy

Notes: In Italian

Baldacci, E., Amici, A., Belli, G., Betto, E., Bonola, P., Fogliani, G., Giussani, G., and Refatti, E.(1962). Nuovi contributi alle ricerche sulle malattie da virus della vite.(New contributions to the study of virus diseases of grapevine). *Riv.Patol.Veg.* **2 (S.III)**, 20-25.

Keywords: grapevine/virus diseases/general/field experiment/fanleaf/leafroll/Italy

Notes: In Italian

Baldacci, E., Amici, A., Belli, G., and Refatti, E.(1965). La propagazione di Vitis in condizioni di sanità da malattie da virus e problemi per la conservazione del materiale sano. (Propagation of Vitis in virus-free conditions and problems for keeping the material healthy). *Atti sulla propagazione delle specie legnose,Pisa,1964.* -, 439-442.

Keywords: grapevine/virus-free material/sanitation/conservation/Italy

Notes: In Italian

Baldacci, E. and Belli, G.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 228-234.

Keywords: grapevine/virus/detection/identification/Italy/meeting/ICVG

Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1990. See also Riv.Pat.Veg., S.IV, 3, 3-14, 1967.

Baldacci, E., Belli, G., Refatti, E., Cesati, R., and Pessina, F.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 332-336.

Keywords: grapevine/selection/Italy/meeting/ICVG

Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965. See also Riv.Pat.Veg., S.IV, 3, 15-22,1967.

Baldacci, E.(1966). Le esigenze sanitarie per la produzione di legno e di piante di vite. (Sanitary requirements for producing grapevine budwood and plants). *Riv.Pat.Veg.* **S.IV,2**, 95-108.

Keywords: virus diseases/control/sanitary requirement/health/grapevine/Italy

Notes: In Italian

Baldacci, E.(1966). Bases techniques et de défense sanitaire pour la production de bois et de plants de vigne. (Technical and phytosanitary basis for the production of grapevine budwood and plants). *Bull.OIV ???(423)*, 574-585.

Keywords: virus diseases/grapevine/sanitary requirement/health/Italy

Notes: In French

Baldacci, E. and Refatti, E.(1966). Notizie sullo svolgimento della conferenze internazionale sui virus e le virosi della vite in Davis (California). (Report on the international meeting on virus and virus diseases of grapevine in Davis (California). *Riv.Pat.Veg.* **2**, 43-62.

Keywords: virus diseases/grapevine/ICVG/California/USA

Notes: In Italian 2nd meeting of ICVG, Univ. of Davis, Calif., 6-10.9.1965.

Baldacci, E. and Belli, G.(1967). Notizie sul Convegno Internazionale sui virus e le virose della vite svoltosi a Bernkastel (Germania Occidentale) nel settembre 1967.(Report on the international meeting on virus and virus diseases held at Bernkaste (West Germany) in September 1967). *Riv.Pat.Veg.* **S.IV, 3**, 239-249.

Keywords: virus diseases/grapevine/meeting/ICVG/Germany/Italy

Notes: In Italian. 3rd meeting ICVG.

Baldacci, E. and Belli, G.(1967). Nuovi risultati sulla selezione clonale di viti esenti da virus. (New results on clonal selection of virus-free grapevines). *Riv.Pat.Veg.* **S.IV, 3**, 263-267.

- Keywords:** grapevine/virus-free material/clonal selection/Italy
Notes: In Italian.
- Baldacci, E., Belli, G., and Refatti, E.(1967). *Virosi e selezione della vite. (Virus diseases and selection of grapevine).*, 1 edition. Edizioni Edagricole, Bologna.
Keywords: grapevine/virus diseases/selection/general/symptoms/Italy
Notes: In Italian
- Baldacci, E. and Lalatta, F.(1967). Allevamento e propagazione di cloni di vite esenti da virus in coltura idroponica. (Propagation of virus-free grapevine clones in hydroponic culture). *Riv.Pat. Veg.* **S.IV, 3**, 251-255.
Keywords: grapevine/virus-free material/propagation/hydroponic/Italy
Notes: In Italian. See also Weinberg u. Keller 15, 546-547, 1968.
- Baldacci, E. and Belli, G.(1970). La selezione sanitaria della vite (Sanitary selection of grapevine). *Informatore Agrario* **26 (3)**, 279-282.
Keywords: 1479/grapevine/sanitary selection/Italy
Notes: Techniques and results of selection of virus disease clean vines in northern Italy.
- Baldacci, E.(1971). Miglioramento sanitario della vite in relazione alle virosi (The sanitary improvement of grapevine in relation with virus diseases). *Ital.Agricola* **108**, 691-707.
Keywords: 1475/grapevine/virus diseases/selection/control/fanleaf/leafroll/Italy
Notes: Discussion of selection, tests for grapevine fanleaf and leafroll, heat treatment, vectors, control and Italian legislative regulations.
- Baldacci, E. and Belli, G.(1971). *Problems of viticulture.* (Nedelchev, N., Ed.) Zemizdat, Sofia, Bulgaria. 236-248.
Keywords: 1480/grapevine/virus diseases/general/Bulgaria
- Baldacci, E.(1972). La selezione clonale della vite (Clonal selection of grapevine). *Ascoli Economica* **(3)**,
Keywords: 1476/grapevine/clonal selection/Italy
Notes: The text of a conference on clonal selection.
- Baldacci, E., Belli, G., Fortusini, A., and Osler, R.(1972). Selezione sanitaria della vite in Italia settentrionale: risultati e considerazioni. *Ann.Phytopathol.* **No hors série**, 13-16.
Keywords: 1485/grapevine/selection/sanitary selection/clonal selection/Italy/meeting/ICVG
Notes: Selection in *Vitis vinifera* and rootstocks in northern Italy, indexed by grafting on indicator plants.
- Baldacci, E.(1973). Virosi e selezione clonale della vite all' anno 1973 (Virus diseases and clonal selection of grapevine in 1973). *Riv.Patol. Veg.,Ser.IV* **9 (Suppl.)**, 7-14.
Keywords: 1477/grapevine/virus diseases/virus-like diseases/selection/clonal selection/Italy/meeting/ICVG
Notes: The introduction to the conference, a brief historical account of ICVG meetings, the importance of results of research and the place for selection in vineyard improvement.
- Baldacci, E., Belli, G., and Fortusini, A.(1973). Il centro di selezione viticola di Riccagioia (The center for grapevine selection at Riccagioia). *Riv.Patol. Veg.,Ser.IV* **9 (3)**, 295-303.
Keywords: 1484/grapevine/selection/clonal selection/indexing/Italy
Notes: A description and activities in progress at the selection center, vineyards origination from visual selection and from biological selection.
- Baldacci, E. and Belli, G.(1974). Definizione del metodo per la selezione sanitaria. Tavola Rotonda "Aspetti genetici, sanitari e normativi della selezione del materiale viticolo di base" (Definition of the method for sanitary selection. Round table "Genetic, sanitary and administrative aspects of the selection of virus-free grapevine material for propagation). *Ann.Accad.Naz.Agric.Bologna*

- (Italia) **167 (2)**, 137-147.
Keywords: 1482/grapevine/selection/clonal selection/Italy
Notes: A discussion of the steps to be taken in the development of virus disease free grapevines.
- Baldacci, E. and Belli, G.(1975). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Distribution du matériel sélectionné (Present state of genetical and sanitary clonal selection in Italy. Methods and results. Distribution of selected material). *Bull.OIV* **48 (527)**, 14-22.
Keywords: 1483/grapevine/selection/clonal selection/certification/multiplication/virus-free material/Italy
- Baldacci, E.(1981). A key to virus and virus-like diseases of the grapevine. An approach to the classification of virus diseases. *Riv.Patol. Veg., Ser.IV* **17**, 99-105.
Keywords: 2213/grapevine/virus diseases/virus-like diseases/classification/symptoms/Italy
- Baldacci, E. and Belli, G.(1981). Il virus dell'ariccamento (GFV) in piante di vite della varietà Picolit (Fanleaf virus of grapevine in plants of the variety Picolit). *Riv.Patol. Veg., Ser.IV* **17**, 111-113.
Keywords: 2216/grapevine/fanleaf virus/symptoms/Italy
- Baldacci, E.(1983). Criteri diagnostici per le virosi della vite (Criteria of diagnosis for grapevine virus diseases). *Atti Accad.Ital. Vite e Vino Siena* **35**, 195-202.
Keywords: 2214/grapevine/virus diseases/virus-like diseases/identification/diagnosis/indexing/serology/Italy
- Baldacci, E.(1983). Criteri diagnostici per le virosi della vite (Criteria for diagnosis of grapevine virus diseases). *Vignevini* **10**, 7-10.
Keywords: 2215/grapevine/virus diseases/virus-like diseases/diagnosis/Italy
- Bambara, G., Picciolo, F., Romeo, S., Refatti, E., and Granata, G.(1981). Risultati della selezione di alcuni vitigni siciliani (Results of selection of some Sicilian grapevine cultivars). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite, Venezia* 370-378.
Keywords: 2217/grapevine/sanitary selection/Sicily/Italy
- Barabino, G.(1963). The identity and relationships of sap-transmissible viruses isolated from Italian grapevines. *Hort.Res.* **3**, 27-33.
Keywords: grapevine/fanleaf/arabis mosaic virus/mechanical transmission/Italy
- Barlass, M. and Skene, K.G.M.(1978). In vitro propagation of grapevine (*Vitis vinifera* L.) from fragmented shoot apices. *Vitis* **17**, 335-340.
Keywords: 2166/grapevine/fragmented shoot apex/in vitro/virus-free material/virus elimination/Australia
- Barlass, M. and Skene, K.G.M.(1982). Virus-free vines from tissue culture. *Austral.Grapegrower Winemaker* (**224**), 40-41.
Keywords: 2218/grapevine/tissue culture/in vitro/meristem tip culture/virus-free material/Australia
- Barlass, M., Skene, K.G.M., Woodham, R.C., and Krake, L.R.(1982). Regeneration of virus-free grapevines using in vitro apical culture. *Ann.Appl.Biol.* **101**, 291-295.
Keywords: 2219/grapevine/in vitro/meristem tip culture/virus-free material/Australia
- Barna, J.(1973). Untersuchungen über die Zusammenhänge zwischen Peroxydaseaktivität und Virusinfektion bei *Chenopodium murale* und *Vitis vinifera* (Research on the relationships between peroxydase activity and virus infection in *Chenopodium murale* and *Vitis vinifera*). *Mitt.Klosterneuburg* **23**, 241-248.
Keywords: 1486/grapevine/biochemistry/*Chenopodium*/fanleaf/Austria

Notes: Reports on methods of study on interrelation between peroxidase activity and virus infection by fanleaf.

- Barna, J.(1973). Investigations on correlations between peroxidase activity and virus infection by *Chenopodium murale* and *Vitis vinifera*. *Riv.Patol. Veg.* **9 ser. IV (Suppl.)**, 140-141.
Keywords: 1487/grapevine/fanleaf virus/physiology/biochemistry/Austria
- Basile, M.(1980). La lotta chimica contro i Longidoridae nei vigneti. I trattamenti al reimpianto con prodotti a base di 1,3 dicloropropene e persistenza del nematocida nel terreno (Chemical control of Longidoridae in vineyards. Soil treatment before replanting with nematicide products containing 1,3 dichloropropene and persistence of the nematicide in soil). *Atti.Giorn.Nematol.Ascoli Piceno* 23-24.
Keywords: 2220/grapevine/Xiphinema/Longidorus/nematicide/1,3,dichloropropene/control/Italy
- Basile, M., Lamberti, F., Elia, F., and Landriscina, S.(1980). Control of Xiphinema species by 1,3 dichloropropene in replanting vineyards in Southern Italy. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 147-151.
Keywords: 2221/grapevine/Xiphinema/nematicide/control/1,3,dichloropropene/Italy
- Basler, P.(1974). Die Erzeugung von gesunden Reben durch Wärmebehandlung {Thermotherapie}. *Schweiz Z.Obst- und Weinbau* **110**, 536-542.
Keywords: 1488/grapevine/fanleaf/leafroll/heat therapy/methods/control/Switzerland
Notes: A description of the methods used at the Federal Agricultural Research Station of Changins, Switzerland, for heat treatment and indexing of grapevines, symptoms of leafroll, fanleaf and methods of control.
- Basler, P. and Brugger, J.J.(1981). Résultats préliminaires d'une comparaison entre des clones de Pinot noir obtenus par sélection visuelle et les mêmes clones après thermothérapie (Preliminary results of a comparison of visually selected clones with heat treated clones of Pinot noir). *Rev.Suisse Viticult.Arboricult.Hort.* **13**, 337-339.
Keywords: 2222/grapevine/clonal selection/sanitary selection/heat therapy/performance/Switzerland
- Basler, P. and Brugger, J.J.(1981). Comparaison de clones de Pinot noir traités par thermothérapie et de sélection visuelle; résultats préliminaires (Comparison of heat treated clones of Pinot noir with visually selected clones: preliminary results). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite,Venezia* 337-341.
Keywords: 2223/grapevine/clonal selection/sanitary selection/heat therapy/performance/Switzerland
- Basler, P. and Brugger, J.J.(1982). Vergleich von wärmebehandelten und nicht wärmebehandelten Blauburgunderklonen (Comparison of heat treated clones of Pinot noir with untreated clones). *Schweiz Z.Obst- und Weinbau* **118**, 379-384.
Keywords: 2224/grapevine/clonal selection/sanitary selection/heat therapy/performance/Switzerland
- Bass, P. and Vuittenéz, A.(1977). Amélioration de la thermothérapie des vignes virosées au moyen de la culture d'apex sur milieux nutritifs ou par greffages sur vignes de semis, obtenues aseptiquement in vitro (Improvement of heat therapy of virus-infected grapevines by shoot tip culture on nutrient media or by grafting on grapevine seedlings grown aseptically in vitro). *Ann.Phytopathol.* **9**, 539-540.
Keywords: 1489/grapevine/heat therapy/shoot tip culture/in vitro/green grafting/France
Notes: Thermotherapy improved by cultivation shoot apex on nutritive media or by grafting on aseptic grape seedlings in vitro.

- Bass, P., Vuittenez, A., and Legin, R.(1978). Amélioration de la thermothérapie de la vigne par culture d'extrémités de pousses sur milieux nutritifs ou par greffage d'apex sur plantules de semis cultivées aseptiquement in vitro (Improvement of heat therapy of grapevine by culturing shoot apices on nutrient media or by grafting them on seedlings grown aseptically in vitro). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 325-332.
Keywords: 1490/grapevine/heat therapy/in vitro culture/shoot tip culture/green grafting/France
- Bass, P. and Vuittenez, A.(1979). Méthode d'inoculation virale par "hétérogreffage" entre plantes hôtes herbacées et ligneuses en culture aseptique in vitro. Application à la transmission de souches définies de Népovirus de *Chenopodium quinoa* à la vigne *Vitis* sp. (Method for virus inoculation by heterografting between herbaceous and woody host plants in aseptic culture in vitro. Application to the transmission of nepovirus isolates from *Chenopodium quinoa* to grapevine *Vitis* sp.). *Ann.Phytopathol.* **11**, 565-567.
Keywords: 2227/grapevine/nepovirus/graft transmission/woody hosts/herbaceous hosts/heterografting/France
- Bass, P. and Legin, R.(1981). Thermothérapie et multiplication in vitro d'apex de vigne. Application à la séparation ou à l'élimination de diverses maladies de type viral et à l'évaluation des dégâts (Heat therapy and in vitro propagation of grapevine apices. Application to the separation or to the elimination of various virus-like diseases and to the evaluation of their economic importance). *C.R.Séances Acad.Agric.France* **67**, 922-933.
Keywords: 2225/grapevine/heat therapy/in vitro culture/shoot tip culture/fanleaf/fleck/vein mosaic/stem pitting/leafroll/red leaf disease/France
- Bass, P. and Legin, R.(1984). Thermothérapie et multiplication in vitro d'apex de vigne. Application à la séparation ou à l'élimination de diverses maladies de type viral et à l'évaluation des dégâts (Heat therapy and in vitro multiplication of grapevine apices. Application to the separation or elimination of various virus-like diseases and to the evaluation of their economic importance). *Progr.Agric.Vitic.* **101**, 270-274.
Keywords: 2226/grapevine/heat therapy/in vitro culture/propagation/shoot tip culture/fanleaf/fleck/vein mosaic/vein necrosis/stem pitting/leafroll/red leaf disease/France
- Basso, M., Natali, S., and Triolo, E.(1976). Selezione clonale e sanitaria dei vitigni da vino in Toscana. Cinque novi cloni (Clonal and sanitary selection of wine grapes in Tuscany. Five new clones). *Ital.Agricola* **113(4)**, 91-103.
Keywords: 1492/grapevine/sanitary selection/clonal selection/Italy
Notes: Methods and results of vine selection over a fourteen year period.
- Basso, M., Casini, E., Scaramuzzi, G., Stella, C., and Triolo, R.(1977). *Utilizzazione dei risultati della selezione della vite da vino*. (Martelli, G.P., Ed.) Atti Seminario C.N.R., Bari, Italy. 91-104.
Keywords: 1491/grapevine/clonal selection/sanitary selection/Italy
Notes: Work in progress on clonal and sanitary selection of grapevine in Tuscany and the Marche region.
- Basso, M., Natali, S., and Triolo, E.(1981). Contributo della ricerca in Toscana al miglioramento genetico e sanitario della vite ad uva da vino (Contribution of research in Tuscany to genetic and sanitary improvement of grapevine). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite,Venezia* 203-210.
Keywords: 2228/grapevine/clonal selection/sanitary selection/Tuscany/Italy
- Bastisse, E.M.(1947). Essai de thérapeutique interne du court-noué des vignes de Champagne par des complexes métallo-siliciques.(Attempt to cure grapevine "court-noué" (fanleaf) by internal therapy using metallo-siliceous compounds). *C.R.Acad.Sci.,Paris* **224**, 590-592.
Keywords: grapevine/chemotherapy/court-noué/fanleaf/France
Notes: In French

- Becker, H.(1974). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné.Rapport allemand (Present state of the work on genetical and sanitary clonal selection. Method and results. German report). *Bull.OIV* **47(521-522)**, 547-561.
Keywords: 1493/grapevine/clonal selection/sanitary selection/Germany
- Becker, H.(1974). Die Virusfrage in der Rebenzüchtung - eine kritische Betrachtung (The virus problem in grapevine selection - a critical review). *Dt.Weinbau-Jahrb.* **25**, 53-64.
Keywords: 1494/grapevine/selection/viruses/review/Germany
Notes: Discusses the genetical background of grapevine multiplication, a long and successful period of visual selection and advises the results of virus research be accepted.
- Becker, H.(1981). Klonenzüchtung und Schaffung von virusfreiem Pflanzgut. 26. Rebenzüchtertagung auf dem Geilweilerhof (Clonal selection and virus-free grapevine plantins material. 26th meeting of grapevine breeders at Geilweilerhof). *Dt.Weinbau* **36**, 1380-1381.
Keywords: 2229/grapevine/clonal selection/sanitary selection/virus-free material/Germany
- Becker, H.(1981). Fortschritte der Klonenzüchtung und Versorgung mit virusgetestetem Rebenpflanzgut (Progress in clonal selection and production of virus tested clones). *Dt.Weinbau* **36**, 1495-1497.
Keywords: 2230/grapevine/clonal selection/sanitary selection/virus-free material/Germany
- Becker, H.(1984). Situazione del miglioramento genetico e della produzione di portainnesti della vite in Germania (Situation of genetic improvement and production of grape rootstocks in Germany). *Riv.Viticult.Enol.* **37**, 359-377.
Keywords: 2231/grapevine/rootstock/selection/Germany
- Becker, H. and Fiesenig, G.(1984). Übertragung der Blattrollkrankheit der Rebe bei der Veredlung und Zwischenveredlung mit verschiedenen Sorten (Transmission of grapevine leafroll by grafting with various varieties). *Wein-Wiss.* **39**, 165-177.
Keywords: 2232/grapevine/leafroll/graft transmission/Germany
- Beczner, L.(1980). New observations aiding the identification of viruses in different groups (fruit trees, vine stocks, ornamental plants). *Acta Horticulturae* **(110)**, 227-234.
Keywords: 2233/grapevine/virus diseases/diagnosis/viruses/identification/Hungary
- Beczner, L. and Lehoczky, J.(1980). Infection of grapevine by alfalfa mosaic virus. II. Transmission of the virus to herbaceous plants, symptomatology, serology and electron microscopy.(Hung. with Russ.,Eng.,Germ.sum). *Kertgazdasag* **12(3)**, 33-43.
Keywords: 2234/grapevine/alfalfa mosaic virus/occurrence/symptoms/mechanical transmission/herbaceous hosts/serology/electron microscopy/Hungary
- Beczner, L. and Lehoczky, J.(1981). Grapevine disease in Hungary caused by alfalfa mosaic virus infection. *Acta Phytopathol.Acad.Scient.Hung.* **16**, 119-128.
Keywords: 2235/grapevine/alfalfa mosaic virus/occurrence/symptoms/mechanical transmission/herbaceous hosts/Hungary
- Bellegarde, H.(1975). Essai de transmission de virus par la graine chez la Vigne (Attempts to transmit grapevine viruses through seed). *Mémoire.E.N.I.T.A.,Bordeaux* 1-90.
Keywords: 1495/grapevine/viruses/seed transmission/France
- Belli, G. and Cesati, R.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 307-311.
Keywords: grapevine/leafroll/occurrence/Lombardia/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965. See also Riv.Pat.Veg., S.IV, 3, 105-112, 1967.

- Belli, G., Refatti, E., Cesati, R., and Corsini, G.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 371-377.
Keywords: grapevine/detection/herbaceous hosts/Vitis indicators/indexing/fleck/fanleaf/yellow mosaic/leafroll/asteroid mosaic/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965. See also Riv.Pat.Veg., S.IV, 3, 113-122.
- Belli, G.(1969). Rassegna delle ricerche sulle virosi della vite. (Review on research on grapevine viruses). *Riv.Pat. Veg.* **S.IV, 5**, 17-36.
Keywords: virus diseases/grapevine/review/Italy
Notes: In Italian
- Belli, G., Osler, R., and Fortusini, A.(1972). Indagini sulla validità dei cordoni endocellulari come test per la selezione sanitaria della Vite (Research on the validity of trabeculae as a test for sanitary selection). *Ann.Phytopathol.No hors série* 17-21.
Keywords: 1504/grapevine/fanleaf virus/nepoviruses/trabeculae/detection/diagnosis/Italy
- Belli, G., Fortusini, A., Osler, R., and Amici, A.(1973). Presenza di una malattia del tipo "Flavescence dorée" in vigneti dell'Oltrepò pavese (Presence of a disease of flavescence dorée type in vineyards of Oltrepò Pavese). *Riv.Patol. Veg., Ser.IV* **IV, 9(Suppl.)**, 50-56.
Keywords: 1501/grapevine/flavescence dorée/symptoms/indexing/electron microscopy/vector/Scaphoideus littoralis/Italy
Notes: Symptoms, indexing, electron microscope observation and vector studies are reported.
- Belli, G.(1975). L'indexing per la selezione di cloni di vite esenti da virus in Italia (Indexing for the selection of virus-free grapevine clones in Italy). *Coltivatore e Giornale Vinicolo Italiano* **121 {9}**, 272-274. {Vedi.
Keywords: 1496/grapevine/virus-free material/indexing/sanitary selection/Italy
Notes: Methods of indexing and criteria for selection.
- Belli, G., Calò, A., and Itrieri, C.(1975). Stato attuale e prospettive della produzione e del commercio del materiale di propagazione della vite (Present state and prospects of the production and commerce of grapevine propagation material). *Atti Convegno S.O.I.sul Vivaismo Viticolo,Ascoli Piceno* 17-50.
Keywords: 1499/grapevine/propagation/virus-tested material/selection/certification/Italy
Notes: A discussion of problems of production and distribution of selected clonal vines in Italy.
- Belli, G. and Osler, R.(1975). Malattie della vite riferite a Micoplasmi e a Rickettsie (Mycoplasma and Rickettsia disease of grapevine). *Coltivatore e Giornale Vinicolo Italiano* **121(8)**, 210-218.
Keywords: 1503/grapevine/mycoplasma-like organisms/rickettsia-like organisms/review/Italy
Notes: Review of literature, history and distribution mycoplasma and rickettsia-like organism diseases of grapevines. See also Atti Tavola Rotonda "Malattie da virus e da micoplasmi della vite", Lab. Fitoviol. Appl. C.N.R., Torino, 21-29.
- Belli, G.(1977). Importanza dello stato sanitario del materiale di moltiplicazione della vite (Importance of the sanitary state of the grapevine propagation material). *Atti Convegno Regionale "Aspetti di agronomia e patologia della vite",Brescia (Italia)* 39-60.
Keywords: 1497/grapevine/sanitary selection/sanitary state/propagation/Italy
Notes: Brief survey of the grapevine virus diseases present in Italy, necessity of using healthy material and ways to obtain it.
- Belli, G. and Baldacci, E.(1977). Aspetti fitosanitari della selezione clonale nell'Oltrepò pavese (Phytosanitary aspects of clonal selection on Oltrepò Pavese). *Coltivatore e Giornale Vinicolo Italiano* **123(1)**, 1-6.
Keywords: 1498/grapevine/clonal selection/sanitary selection/Italy

Notes: A discussion of problems of vine sanitation in Oltrepò pavese vineyards, selection and program

Belli, G. and Marro, M.(1977). *Utilizzazione dei risultati della selezione della vite da vino. Atti Seminario C.N.R., Bari.* (Anonymous C.N.R., Bari, Italia. 60-70.

Keywords: 1502/grapevine/clonal selection/sanitary selection/Italy

Notes: Work in progress on genetical and sanitary selection of grapevine in Lombardy.

Belli, G., Fortusini, A., and Osler, R.(1978). Present knowledge on diseases of the type "Flavescence dorée" in vineyards of Northern Italy. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 7-13.

Keywords: 1500/grapevine/flavescence dorée/occurrence/Italy

Belli, G.(1979). Miglioramento della vite da vino in Italia. La selezione sanitaria: Acquisizioni e prospettive (Improving wine grapes in Italy. Sanitary selection: results and prospects). *Atti Accad.Ital.Vite e Vino Siena* **31**, 239-248.

Keywords: 2236/grapevine/sanitary selection/clonal selection/Italy

Belli, G., Faoro, F., Fortusini, A., and Vegetti, G.(1980). Isometric particles associated with corky bark and legno riccio in grapevine. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 77-80.

Keywords: 2239/grapevine/corky bark/legno riccio/stem pitting/isometric particles/mechanical transmission/herbaceous hosts/electron microscopy/Italy

Belli, G.(1981). Identificato il virus dell'accartocciamento fogliare della vite (Leafroll virus identified). *Notiz.Ortoflorofrutticolt.* **7**, 223-225.

Keywords: 2237/grapevine/leafroll/indexing/identification/diagnosis/Italy

Belli, G. and Fortusini, A.(1981). La selezione sanitaria della vite in Lombardia: esperienze e acquisizioni recenti (Sanitary selection of grapevine in Lombardy: results and recent progress). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite,Venezia* 345-350.

Keywords: 2240/grapevine/sanitary selection/Italy

Belli, G. and Martelli, G.P.(1981). Virus e virosi della vite: nomenclatura italiana e principali sinonimi stranieri (Viruses and virus diseases of grapevine: nomenclature and main foreign synonyms). *Informatore Fitopatol.* **31**, 33-36.

Keywords: 2246/grapevine/virus diseases/viruses/virus-like diseases/nomenclature/Italy

Belli, G. and Fortusini, A.(1982). Risultati e sviluppi in atto nel miglioramento sanitario della vite in Lombardia (Results and developments in the sanitary improvement of grapevine in Lombardy). *Atti Giorn.Fitopatol. (suppl.)*, 171-180.

Keywords: 2241/grapevine/sanitary selection/Italy

Belli, G., Fortusini, A., and Vegetti, G.(1982). Il virus del mosaic dell'Arabis isolato da vite in Italia (Arabis mosaic virus isolated from grapevine in Italy). *Riv.Patol.Veg.,Ser.IV* **18**, 175-177.

Keywords: 2244/grapevine/arabis mosaic virus/Italy

Belli, G., Marro, M., and Fortusini, A.(1982). Sviluppi nel miglioramento genetico e sanitario della vite nell'Oltrepò pavese (Recent developments in the genetical and sanitary improvement of grapevine in Oltrepò pavese). *Atti Accad.Ital.Vite e Vino Siena* **34**, 191-197.

Keywords: 2245/grapevine/sanitary selection/clonal selection/Italy

Belli, G., Fortusini, A., Rui, D., Pizzoli, L., and Torresin, G.(1983). Gravi danni da flavescenza dorata in vigneti di Pinot nel Veneto (Severe damage due to flavescence dorée in vineyards of Pinot in the region of Venice). *Informatore Agrario* **39**, 24431-24433.

Keywords: 2243/grapevine/flavescence dorée/varietal sensitivity/Pinot/economic importance/Italy

- Belli, G., Rui, D., Fortusini, A., Pizzoli, L., and Torresin, G.(1984). Presenza dell'insetto vettore (Scaphoideus titanus) e ulteriore diffusione della Flavescenza dorata nei vigneti del Veneto (Presence of the vector of flavescence dorée, Scaphoideus titanus, and further dissemination of the disease in the vineyards of the Veneto). *Vignevini* **11**, 23-27.
Keywords: 2247/grapevine/flavescence dorée/Scaphoideus titanus/vector/Italy
- Belli, G., Vegetti, G., Cinquanta, S., Soncini, C., Prati, S., and Tolentino, D.(1984). Properties of a strain of arabis mosaic virus isolated from grapevine in Italy. *Riv.Patol.Veg.,Ser.IV* **20**, 56-64.
Keywords: 2248/grapevine/arabis mosaic virus/properties/Italy
- Belli, G., Faoro, F., Fortusini, A., and Tornaghi, R.(1985). Further data on grapevine leafroll etiology. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 148-151.
Keywords: 2238/grapevine/leafroll/etiology/electron microscopy/ultrastructure/closterovirus/Italy
Notes: Electron microscope observation of thin sections reveals the presence of filamentous particles in phloem cells. Hypothesis of closteroviruses as the cause of leafroll.
- Belli, G., Fortusini, A., and Rui, D.(1985). Recent spread of flavescence dorée and its vector in vineyards of northern Italy. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 189-191.
Keywords: 2242/grapevine/flavescence dorée/vector/Scaphoideus titanus/spread/Italy
- Belli, G.G.(1966). Indagini elettroforetiche sul virus del mosaico dell'Arabis e sul virus del mosaico giallo e dell'arricciamento della vite. (Electrophoretic research on arabis mosaic virus and on grapevine fanleaf virus.). *Riv.Pat.Veg.* **S. IV, 2**, 151-158.
Keywords: grapevine/fanleaf virus/arabis mosaic virus/electrophoresis/Italy
Notes: In Italian
- Belli, G.G. and Belli, G.(1967). L'effetto del pH sulla colorazione negativa del virus dell'arricciamento della vite: risultati preliminari. (Effect of pH on negative staining of fanleaf virus of grapevine: preliminary results). *Riv.Pat.Veg.* **S.IV, 3**, 257-262.
Keywords: grapevine/fanleaf virus/electron microscopy/Italy
Notes: In Italian. See also Weinberg u. Keller 15, 502-504,1968.
- Bercks, R. and Stellmach, G.(1966). Nachweis verschiedener Viren in reisigkranken Reben. (Detection of several viruses in grapevines affected with Reisigkrankheit). *Phytopathol.Z.* **56** , 288-296.
Keywords: grapevine/Reisigkrankheit/serology/detection/bentonite test/fanleaf virus/arabis mosaic virus/tomato black ring virus/Germany
- Bercks, R.(1967). Vorkommen und Nachweis von Viren in Reben. (Occurrence and detection of viruses in grapevines). *Weinberg u.Keller* **15**, 502-504.
Keywords: virus/occurrence/detection/grapevine/general/Germany
Notes: In German
- Bercks, R.(1967). Methodische Untersuchungen über den serologischen Nachweis pflanzenpathogener Viren mit dem Bentonit-Flockungstest, dem Latex-Test und dem Bariumsulfat-Test.(Investigations on serological detection of plant pathogenic viruses with bentonite test, latex test and barium sulfate test). *Phytopathol.Z.* **58**, 1-17.
Keywords: grapevine/virus/serology/bentonite test/latex test/barium sulfate test/fanleaf virus/arabis mosaic virus/nepoviruses/Germany
Notes: Comparison of the three methods with several viruses, including ArMV and GFLV. Latex test is the most advantageous.
- Bercks, R.(1967). Über den Nachweis des Tomatenzwergbush-Virus (tomato bushy stunt virus) in Reben.(Detection of tomato bushy stunt virus in grapevines). *Phytopathol.Z.* **60**, 273-277.
Keywords: tomato bushy stunt virus/detection/serology/grapevine/Germany
Notes: In German

- Bercks, R.(1967). Über den Nachweis des Tabakmosaik-Virus in Reben.(Detection of tobacco mosaic virus in grapevines). *Z.Pflanzenkrankh.* **74**, 346-349.
Keywords: tobacco mosaic virus/grapevine/serology/Germany
Notes: In German
- Bercks, R.(1968). Über den Nachweis des Himbeerringflecken-Virus (raspberry ringspot virus) in Reben. (Detection of raspberry ringspot virus in grapevines). *Phytopathol.Z.* **62**, 169-173.
Keywords: raspberry ringspot virus/grapevine/detection/serology/Germany
Notes: In German
- Bercks, R.(1968). Identifizierung von Viren in Reben-Blättern auf serologischem Wege. (Identification of viruses in grapevine leaves by serology). *Weinberg u.Keller* **15**, 498-500.
Keywords: virus/grapevine/identification/serology/Germany
Notes: In German. Abstr. 3rd Meeting ICVG, Bernkastel-Kues, 1967.
- Bercks, R.(1969). Untersuchungen und Überlegungen zur Virusanalyse und Diagnose bei Reben als Grundlage für die Züchtungsarbeit. (Research and considerations on virus analysis and diagnosis as a basis of selection of grapevine). *Weinberg u.Keller* **16**, 61-64.
Keywords: virus/serology/identification/selection/grapevine/Germany
Notes: In German
- Bercks, R. and Querfurth, G.(1969). Über den Nachweis des sowbane mosaic virus in Reben. (On the detection of sowbane mosaic virus in grapevines). *Phytopathol.Z.* **66**, 365-373.
Keywords: sowbane mosaic virus/identification/grapevine/serology/Germany
Notes: In German
- Bercks, R. and Querfurth, G.(1969). Weitere methodische Untersuchungen über den Latextest zum serologischen Nachweis pflanzenpathogener Viren. (Further investigations on the use of the latex test for the serological detection of plant viruses). *Phytopathol.Z.* **65**, 243-256.
Keywords: grapevine/virus/serology/latex test/Germany/methods
Notes: In German
- Bercks, R.(1970). Untersuchungen über Viren in Weinbergen von Baden- Württemberg (Research in viruses in vineyards of Baden-Württemberg). *Wein-Wiss.* **25**, 193-196.
Keywords: 1505/grapevine/fanleaf/arabis mosaic virus/tomato black ring virus/tobacco mosaic virus/serology/identification/Germany
Notes: AMV, TMV, TomBRV and GFV were identified in preliminary serological tests in 12 different cultivars of grapes.
- Bercks, R.(1971). Serologische Untersuchungen über Vorkommen und Nachweismöglichkeiten von Viren in Weinbergen von Baden- Württemberg (Serological investigations on occurrence and identification possibilities of viruses in vineyards of Baden-Wurtemberg). *Wein-Wiss.* **26**, 328-334.
Keywords: 1506/grapevine/fanleaf virus/arabis mosaic virus/raspberry ringspot virus/detection/serology/Germany
Notes: Arabis mosaic, fanleaf and raspberry ringspot viruses detected by serology in grapevines; reliability of tests were dependent on state of growth of vine and temperature.
- Bercks, R.(1972). Die Serologie als Hilfsmittel bei der Erforschung und Bekämpfung von Rebenviren (unter Berücksichtigung von Erfahrungen bei anderen Kulturen).(Serology as a tool in research and control on grapevine virus diseases, with reference to the knowledge with other crops). *Weinberg und Keller* **19**, 481-487.
Keywords: 1507/grapevine/serology/methods/Germany
Notes: Results of serological tests on occurrence of viruses in grapevines in Germany are summarized.

- Bercks, R.(1973). Untersuchungen über die Zuverlässigkeit des serologischen Virusnachweises bei im Gewächshaus kultivierten Reben und Rebenstecklingen (Research on reliability of serology for virus detection in grapevines growing in glasshouses and in cuttings). *Weinberg und Keller* **20**, 215-226.
Keywords: 1508/grapevine/serology/latex test/Germany
Notes: Reports on reliability of the latex-serological test for viruses in naturally and experimentally infected grapevines. Test found satisfactory within conditions of growth and temperatures given.
- Bercks, R., Lesemann, D.E., and Querfurth, G.(1973). Ueber den Nachweis des alfalfa mosaic virus in einer Weinrebe (Detection of alfalfa mosaic virus in a grapevine). *Phytopathol.Z.* **76**, 166-171.
Keywords: 1510/grapevine/alfalfa mosaic virus/serology/Germany
Notes: Alfalfa mosaic virus recovered from a grapevine in Baden- Württemberg state.
- Bercks, R. and Lesemann, D.E.(1973). Untersuchungen über das Vorkommen von Viren im fränkischen Weinbaugebiet (Research on the occurrence of virus in Franconian vineyards). *Wein-Wiss.* **28**, 328-331.
Keywords: 1511/grapevine/arabis mosaic virus/fanleaf virus/raspberry ringspot virus/occurrence/serology/Germany
Notes: Fanleaf, arabis mosaic and raspberry ringspot viruses were identified by latex-serological test over three years in Franconia areas.
- Bercks, R. and Querfurth, G.(1976). Untersuchungen zur Frage der mechanischen Virusübertragung bei Freilandreben (Research on mechanical transmission of viruses in vineyards). *Wein-Wiss.* **31**, 121-125.
Keywords: 1512/grapevine/viruses/mechanical transmission/vineyard/Germany
Notes: Arabis mosaic, fanleaf and tomato black ring viruses were not transmitted from infected vines to adjacent healthy vines over a nine year trial in spite of close contacts between roots and aerial parts of the plants.
- Bercks, R., Brückbauer, H., Querfurth, G., and Rüdel, M.(1977). Untersuchungen über die Viruskrankheiten der Rebe unter besonderer Berücksichtigung "atypischer Formen" der Reisigkrankheit (Investigations on virus diseases of grapevine with special reference to "atypical forms" of Reisigkrankheit). *Weinberg und Keller* **24**, 133-180.
Keywords: 1509/grapevine/Reisigkrankheit/arabis mosaic virus/fanleaf virus/strawberry latent ringspot virus/tobacco mosaic virus/tomato black ring virus/virus isolates/properties/Germany
Notes: Arabis mosaic, fanleaf, strawberry latent ringspot, tobacco mosaic and tomato black ring viruses were isolated from atypical Reisigkrankheit vines from several vineyard districts. Varied test plants and immuno-electrophoretic patterns distinguished different fanleaf isolates.
- Berezovska, O.(1973). Formation de cordons à l'intérieur des vaisseaux chez les variétés de porte-greffe de vigne contaminés par le virus de la mosaïque. (In Ukrainian). *Visn.Sel'skogospodar.Nauky U.R.S.R.,SSSR* (**10**), 65-68.
Keywords: 1513/grapevine/nepoviruses/diagnosis/trabeculae/Ukraine
Notes: The formation of trabeculae in grapevine rootstocks infected by fanleaf or/and yellow mosaic viruses can be considered as a diagnosis element.
- Bernard, A.C. and Mur, G.(1979). Observations sur l'organogenèse des bourgeons de plants de Vitis vinifera cultivés in vitro (Observations on the organogenesis of buds of Vitis vinifera plantlets cultivated in vitro). *Ann.Amélior.Plantes* **29**, 311-323.
Keywords: 2250/grapevine/heat therapy/in vitro culture/morphology/France
- Bertossi, F.(1959). Virus e coltura di tessuti "in vitro".(Viruses and tissue culture "in vitro"). *Not.Mal.Piante* **47-48 (N.S.26-27)**, 105-109.
Keywords: grapevine/virus/tissue culture/in vitro culture/Italy
Notes: In Italian

- Bertrand, J.(1914). Le traitement du court-noué par le goudron. (Treatment of court-noué with tar). *Progr.Agric.Vitic.* **1**, 80-84.
Keywords: grapevine/chemotherapy/court-noué/fanleaf/control/France
Notes: In French
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Notes: In French
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Notes: In French
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Notes: In French
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Notes: In French
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Keywords: grapevine/leafroll/occurrence/symptoms/France
Notes: In French
- Boubals, D., Pistre, R., and Caillaud, C.(1967). Observations sur la sélection sanitaire chez la vigne pour la virose de l'enroulement.(Observations on sanitary selection of grapevine for leafroll). *Progr.Agric.Vitic.* **84**, 95-99-119-126.
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Notes: In French
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Keywords: grapevine/fanleaf/control/soil fumigation/DD/France/Xiphinema index
Notes: In German
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Notes: In French
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Keywords: 1514/grapevine/virus diseases/virus-like diseases/economic importance/France
Notes: Economic importance of grapevine virus diseases of grapevine, control methods.
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Keywords: 1518/grapevine/yellows/flavescence dorée/Scaphoideus littoralis/Corsica/France
Notes: La jaunisse qui se développe en Corse est probablement la Flavescence dorée car on découvre la présence simultanée du vecteur Scaphoideus littoralis. L'article donne les premières mesures à prendre, et les opérations prévues pour l'année suivante.

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- Boubals, D.(1972). Observations sur l'infection par le virus de l'enroulement chez les porte-greffes usuels (Observations on grapevine leafroll infection in usual rootstocks). *Ann.Phytopathol.* **No. hors série**, 23-25.
Keywords: 1515/grapevine/leafroll/rootstocks/occurrence/France
Notes: High incidence of leafroll among commonly used hybrid rootstocks
- Boubals, D.(1972). Observations sur l'infection par le virus de l'enroulement chez le Carignan et l'Alicante Bouschet (Observations on leafroll-infected Carignan and Alicante Bouschet. *Ann.Phytopathol.* **No. hors série**, 28-30.
Keywords: 1516/grapevine/leafroll/Alicante Bouschet/symptoms/France
Notes: Red leaves can occur in absence of leafroll; in Alicante Bouschet the phenomenon is of genetic nature.
- Boubals, D.(1976). Le point actuel sur les maladies à virus de la vigne (The present situation on grapevine virus diseases). *Progr.Agric.Vitic.* **93**, 625-633.
Keywords: 1517/grapevine/meeting/ICVG/review/France
Notes: Summary of the 6th Internat. conference on viruses and virus diseases of grapevine (ICVG 6th Meeting), Cordoba - Madrid, September 1976.
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Keywords: 1520/grapevine/stem pitting/leafroll/fanleaf/France
Notes: On the presence and distribution of stem pitting on grapevines with fanleaf and leafroll.
- Boubals, D., Pistre, R., and Gouze, Y.(1978). Effects of different fumigants and doses on court-noué {GFV} eventual eradication in different types of soils. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 259-260.
Keywords: 1521/grapevine/fanleaf/soil disinfection/nematicide/*Xiphinema index*/control/France
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Keywords: 2167/grapevine/fanleaf virus/fanleaf/resistance/nematode/transmission/*Xiphinema index*/genetic selection/France
- Boubals, D.(1979). Sur la qualité du matériel certifié produit par les pépiniéristes (On the quality of certified planting material produced by nurserymen). *Progr.Agric.Vitic.* **96**, 484-485.
Keywords: 2258/grapevine/virus-free material/certification/quality/performance/France
- Boubals, D.(1979). Le problème de la sélection du matériel végétal dans les vignobles étrangers (The selection of vegetal propagation material in foreign vineyards). *Progr.Agric.Vitic.* **96**, 486-487.
Keywords: 2259/grapevine/selection/sanitary selection/quality/certification
- Boubals, D.(1980). Comment le contrôle du matériel certifié de bois et plants de vigne peut-il s'exercer? Chronique (How can certified planting material of grapevine be checked. Chronicle.). *Progr.Agric.Vitic.* **97**, 93-96.
Keywords: 2260/grapevine/certification/France

- Boubals, D. and Guillot, R.(1980). Groupe international pour l'étude des maladies à virus de la vigne (I.C.V.G.). Congrès du 8 au 12 septembre 1980 à Niagara Falls, Ontario (Canada). Résumé des communications scientifiques au congrès de l'I.C.V.G. (Report on the 8th meeting of ICVG in 1980). *Progr.Agric.Vitic.* **97**, 420-429.
Keywords: 2262/grapevine/meeting/ICVG
- Boubals, D.(1984). Sur la dévitalisation des racines de vignes court-nouées (On killing roots of fanleaf-diseased vines). *Progr.Agric.Vitic.* **101**, 173-175.
Keywords: 2261/grapevine/fanleaf/Xiphinema index/rootstock/control/France
- Bouquet, A.(1980). Vitis x Muscadinia hybridization: a new way in grape breeding for resistance in France. *Proc.Third Intern.Symp.Grape Breeding,Univ.California,Davis* 42-61.
Keywords: 2263/grapevine/fanleaf/hybrids/Vitis/Muscadinia/resistance/Xiphinema index/control/France
- Bouquet, A.(1981). Resistance to grape fanleaf virus in Muscadine grape inoculated with Xiphinema index. *Plant Dis.* **65**, 791-793.
Keywords: 2264/grapevine/Muscadinia/fanleaf/Xiphinema index/resistance/France
Notes: Vitis (Muscadinia) rotundifolia can be infected by grafting with fanleaf virus, but when grown in the presence of viruliferous X.index, there is no transmission.
- Bouquet, A.(1982). Intérêt des techniques de culture "in vitro" pour la multiplication et l'amélioration génétique et sanitaire des variétés de vignes (Usefulness of "in vitro" culture for multiplication and genetic as well as sanitary improvement of grapevine cultivars). *Ile Colloque International sur la Multiplication de la Vigne,Bordeaux,1982.* 39-43.
Keywords: 2265/grapevine/in vitro culture/multiplication/selection/sanitary selection/France
- Bouquet, A.(1983). Détection immunoenzymatique du virus du court-noué de la vigne dans son vecteur Xiphinema index THORNE et ALLEN (Immunoenzymatic detection of grapevine fanleaf virus in grapevine and in its vector Xiphinema index). *C.R.Hebd.Séances Acad.Sci.,Ser.III,Sci.Vie* **296**, 271-274.
Keywords: 2266/grapevine/fanleaf virus/detection/serology/ELISA/vector/Xiphinema index/France
- Bouquet, A.(1983). Mise en évidence chez l'espèce Muscadinia rotundifolia (SMALL) MICHX., d'une résistance à la transmission du virus du court-noué (grape fanleaf virus) par son nématode vecteur Xiphinema index THORNE et ALLEN (Evidence that the species Muscadinia rotundifolia (Small) Michx. has resistance to the transmission of grapevine fanleaf virus by its vector Xiphinema index). *Agronomie* **3**, 94-95.
Keywords: 2267/grapevine/Muscadinia/resistance/transmission/fanleaf virus/Xiphinema index/France
- Bouquet, A.(1983). La recherche de porte-greffe résistants: une voie nouvelle dans la lutte contre le court-noué de la vigne ? (Is the search for resistant rootstocks a new way for controlling fanleaf ?). *Progr.Agric.Vitic.* **100**, 256-259.
Keywords: 2268/grapevine/breeding/resistance/fanleaf/Muscadinia/Vitis vinifera/Xiphinema index/transmission/France
- Bouquet, A. and Danglot, Y.(1983). Recherche de porte-greffes de vigne résistant à la transmission du virus du court-noué (GFV) par le nématode Xiphinema index THORNE et ALLEN. I.- Application de la méthode ELISA à la réalisation d'un test rapide de sélection (Search for grapevine rootstocks resistant to transmission of fanleaf virus by the nematode Xiphinema index. I.- Development of a rapid selection test with ELISA). *Agronomie* **3**, 957-963.
Keywords: 2269/grapevine/rootstock/resistance/fanleaf virus/transmission/Xiphinema index/Muscadinia/France

- Bovey, R.(1958). Etat actuel des connaissances sur les maladies à virus de la vigne. (Present state of knowledge on grapevine virus diseases). *Vitis* **1**, 237-256.
Keywords: virus diseases/fanleaf/leafroll/flavescence dorée/heat therapy/Switzerland/review/virus/grapevine
Notes: In French
- Bovey, R.(1962). Une rencontre internationale pour l'étude des maladies à virus de la vigne. (An international meeting for the study of grapevine virus diseases). *Agric.romande* **1 (11)**, 77-78.
Keywords: grapevine/virus diseases/meeting/OIV/Portugal/ICVG/general/Switzerland
Notes: In French. Summary on the 3rd OIV meeting on virus diseases of grapevine in Lisbonne, Portugal in 1962. It was also the beginning of ICVG.
- Bovey, R.(1965). *Proceedings Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 223-227.
Keywords: grapevine/viruses/identification/symptoms/indexing/serology/methods/general/Switzerland/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif. 6-10.9.1965.
- Bovey, R., Simon, J., and Brugger, J.J.(1966). Vigne: sélection clonale et thermothérapie, contrôle des importations de bois.(Grapevine: Clonal selection and heat therapy, inspection of imported rootstocks). *Annuaire Agricole Suisse N.S.18*, 368
Keywords: 1541/grapevine/virus diseases/virus-like diseases/clonal selection/heat therapy/quarantine/Switzerland
Notes: Rapport d'activité 1966-1968. Fed. Agric. Res. Sta. Lausanne.
- Bovey, R., Leyvraz, H., Pelet, F., Pitton, J.-L., and Simon, J.-L.(1967). Possibilités et limites de la sélection visuelle dans la lutte contre les viroses de la vigne. Une expérience avec quelques cépages rouges en Suisse romande. (Possibilities and limits of visual selection in controlling grapevine virus diseases. An experiment with a few red varieties in the French speaking part of Switzerland). *Vitis* **6** , 366-374.
Keywords: grapevine/virus diseases/control/visual selection/fanleaf/leafroll/performance/clonal selection/Switzerland
Notes: In French
- Bovey, R.(1968). Die Blattrollkrankheit der Rebe in der Schweiz.(Grapevine leafroll in Switzerland). *Weinberg u.Keller* **15**, 471-478.
Keywords: grapevine/leafroll/occurrence/symptoms/Switzerland
Notes: In German. See also Weinberg u. Keller 15, 500-501, 547-548, 1967.
- Bovey, R.(1970). Importance économique des viroses de la vigne (Economic importance of grapevine virus diseases). *Bull.OIV* **43**, 124-138.
Keywords: 1522/grapevine/virus diseases/virus-like diseases/economic importance/Switzerland
Notes: The economics of grapevine viruses is discussed on the basis of several experiments made in Switzerland and in other countries.
- Bovey, R.(1971). Verfahren zur Herstellung von gesundem Pflanzgut (Obtaining healthy planting material). *I.Internat.Symposium über Probleme der Klonenselektion und der Erhaltungszüchtung im Weinbau,Trier (Germany)* **Abstr. 10.**,
Keywords: 1523/grapevine/sanitary selection/virus-free material/review/Switzerland
- Bovey, R.(1972). Un virus latent dans le Chasselas (A latent virus in Chasselas). *Ann.Phytopathol.No hors série* 31-34.
Keywords: 1524/grapevine/virus-like diseases/latent/fleck/Switzerland

- Notes:** A latent virus similar to fleck or marbrure was detected in Chasselas by graft transmission to 5 BB, 5 C and Rupestris Saint- George.
- Bovey, R.(1972). Présence de la Flavescence dorée en Suisse et relations possibles dans cette maladie avec le "corky bark" (Presence of flavescence dorée in Switzerland and possible relationship of this disease with corky bark). *Ann.Phytopathol.* **No. hors série**, 167-170.
Keywords: 1525/grapevine/bois noir/corky bark/Switzerland
Notes: Several cases of "Flavescence dorée" were observed on Chardonnay, Amigne, Arvine, Gamay and Pinot in vineyards near Lake Lemman and Valais in Switzerland. In a graft transmission typical corky bark symptoms appeared on LN 33 indicator.
- Bovey, R.(1972). Therapeutic methods applied to the grapevine. *Proc.18th.Internat.Hort.Congr.Tel-Aviv,March 1970* **Vol. III**, 32-38.
Keywords: 1526/grapevine/heat therapy/meristem tip culture/sanitary selection/review/Switzerland
Notes: Description of methods of heat treatment, meristem culture, and selection of healthy grapevine material.
- Bovey, R.(1972). Verfahren zur Herstellung von gesundem Pflanzgut (Methods for obtaining healthy planting material). *Rebe und Wein* **25**, 200-204.
Keywords: 1527/grapevine/sanitary selection/heat therapy/meristem tip culture/review/Switzerland
Notes: Selection, heat treatment and results of growing healthy material
- Bovey, R.(1973). Prevention and control of virus and mycoplasma-like diseases of the grapevine. *Riv.Patol.Veg.,Ser.IV* **9 (Suppl)**, 145-154.
Keywords: 1528/grapevine/virus diseases/virus-like diseases/yellows/mycoplasma-like organisms/control/Switzerland/review
Notes: Prevention and control of virus diseases of the grapevine can be obtained by visual selection, indexing and/or heat treatment, crop rotation and/or soil disinfection; that of Flavescence dorée by controlling the vector, and no control measure is known for Pierce's disease. A discussion is on the use of virus-tested material for viticulture.
- Bovey, R. and Brugger, J.J.(1973). Stem pitting of grapevine in Switzerland. *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 37-42.
Keywords: 1534/grapevine/stem pitting/occurrence/symptoms/Switzerland
Notes: Stem pitting found on the rootstocks Kober 5 BB grafted with two old grapevine varieties previously grown on their own roots in Valais, {Switzerland}: Païen and Humagne. Mechanical inoculation to *Chenopodium quinoa*, serological tests and electron microscopy failed to detect fanleaf virus in diseased grapevines.
- Bovey, R., Rochaix, M., and Simon, J.(1973). La sélection phytosanitaire de la vigne. Méthodes, résultats et perspectives d'avenir (Phytosanitary selection of grapevine. Methods, results and future prospects). *Bull.OIV* **46**, 1077-1093.
Keywords: 1539/grapevine/sanitary selection/methods/virus-free material/performance/Switzerland
- Bovey, R.(1974). Virologia de la vid. a) Enfermedades de virus de la vid (Grapevine virology. a) Virus diseases of grapevine). *Segundas Jornadas Tecnicas de Rioja,Vid y Vino,Haro-Logrono,1972* 148-165.
Keywords: 1529/grapevine/virus-like diseases/virus diseases/fanleaf/leafroll/stem pitting/fleck/corky bark/flavescence dorée/economic importance/Switzerland
Notes: Description of the most important virus and virus-like diseases of the grapevine (fanleaf, leafroll, stem pitting, fleck, corky bark and Flavescence dorée), economic importance.

- Bovey, R., Brugger, J.J., Simon, J., and Jaquinet, A.(1974). La sélection sanitaire de la vigne en Suisse romande (Sanitary selection of grapevine in the French speaking part of Switzerland). *Rev.Suisse Viticult.Arboricult.Hort.* **6**, 77-83.
Keywords: 1536/grapevine/virus diseases/virus-like diseases/sanitary selection/heat therapy/indexing/Switzerland
Notes: Description of the most important virus diseases of the grapevine in Switzerland and of the methods of selection, indexing and heat treatment used for obtaining disease-free material.
- Bovey, R.(1975). La sélection sanitaire de la vigne et ses conséquences pour la viticulture (Sanitary selection of grapevine and its consequences for viticulture). *Atti Accad.Ital.Vite e Vino Siena* **27**, 269-280.
Keywords: 1530/grapevine/virus diseases/virus-like diseases/sanitary selection/economic importance/Switzerland
Notes: Description of important virus diseases of the grapevine, and methods for obtaining disease-free material, with a discussion on the consequences of healthy material. Values of several years experimentation with heat treatment of the material before releasing on a large scale.
- Bovey, R.(1975). Selecccion y certificacion de la vid en algunos paises (Selection and certification of grapevine in some countries). *VI Jornadas de estudio de la Asociacion Interprofesional para el Desarrollo Agrario:La calidad del material vegetal en las plantas de vivero Zaragoza,2-4 Mayo 1974* 255-262.
Keywords: 1531/grapevine/sanitary selection/certification/review/Switzerland
Notes: A Spanish translation of a paper on the selection and certification of grapevine in California, France, West Germany, Switzerland, South Africa, Australia and Canada.
- Bovey, R.(1975). *Maladies à virus et à mycoplasmes de la vigne (Virus and mycoplasma-like diseases of grapevine).*, Station Fédérale de Recherches Agronomiques de Changins, CH-1260 Nyon, Switzerland.
Keywords: 1532/grapevine/virus diseases/virus-like diseases/fanleaf/yellow mosaic/veinbanding/tomato black ring virus/raspberry ringspot virus/strawberry latent ringspot virus/tomato ringspot virus/tobacco ringspot virus/peach rosette mosaic virus/grapevine chrome mosaic virus/enation/tobacco necrosis virus/tomato bushy stunt virus/sowbane mosaic virus/tobacco mosaic virus/leafroll/grapevine infectious necrosis/stem pitting/yellow speckle/fleck/asteroid mosaic/corky bark/flavescence dorée/bois noir/Pierce's disease/selection/heat therapy/control/Switzerland
Notes: A mimeographed textbook written for students at the International Course of Viticulture jointly organized by the International Vine and Wine Office (OIV), the Centre international de hautes études agronomiques méditerranéennes (CIHEAM) and the Organization for Economic Cooperation and Development (OECD). It gives the essential knowledge on most of the known viruses and virus- diseases affecting the grapevine, and on the control measures.
- Bovey, R. and Brugger, J.J.(1975). Le virus de la mosaïque de la luzerne sur la vigne (Alfalfa mosaic virus in grapevine). *Rev.Suisse Viticult.Arboricult.Hort.* **7**, 63-65.
Keywords: 1535/grapevine/alfalfa mosaic virus/occurrence/serology/transmission/heat therapy/Switzerland
Notes: Alfalfa mosaic virus was detected by electron microscopy and by serology, in *Chenopodium quinoa* infected by mechanical inoculation from a grapevine with line pattern and ringspot symptoms in leaves. The virus can be eliminated from grapevine by heat treatment (37 days sufficient).
- Bovey, R., Rochaix, M., and Simon, J.(1975). Résultats et perspectives d'avenir de la sélection sanitaire de la vigne (Results and future prospects of sanitary selection of grapevine). *Rev.Suisse Viticult.Arboricult.Hort.* **7**, 161-166.
Keywords: 1540/grapevine/sanitary selection/virus-free material/performance/Switzerland
Notes: Selection and heat treatment of grapevine can eliminate most viruses. Selected and/ or

heat-treated material has greater vigour and productivity, with advantages and disadvantages: lower quality of the wine due to over-production, higher sensitivity to some diseases. Cultural and fertilization has to be adapted to increased vigour, and experimentation in field conditions is necessary before new material is released on a large scale.

Bovey, R. and Pelet, F.(1977). *Plant Health and Quarantine in International Transfer of Genetic Resources*. (Hewitt, W.B. and Chiarappa, L., Eds.) C.R.C.Press, Inc., Cleveland, Ohio, USA. 165-195.

Keywords: 1538/grapevine/virus diseases/virus-like diseases/mycoplasma-like organisms/review/Switzerland

Notes: A discussion of important contagious diseases of grapevine and fruit trees, including virus, virus-like, mycoplasma and rickettsia-like organisms, bacteria, and fungus, with tables on disease, cause, distribution, vectors, relative pathogenicity on grapevine and references.

Bovey, R.(1978). Disease control, sanitary selection, certification. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 307-311.

Keywords: 1533/grapevine/virus diseases/virus-like diseases/sanitary selection/certification/control/review/Switzerland

Notes: A summary of methods and progress in prevention and control of grapevine virus and virus-like diseases.

Bovey, R. and Cazelles, O.(1978). Alfalfa mosaic virus on grapevine. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 131-134.

Keywords: 1537/grapevine/alfalfa mosaic virus/symptoms/ultrastructure/electron microscopy/heat therapy/Switzerland

Notes: Virus symptoms on grapevine are given. Virus identified by serology. Electron microscopy on thin sections of infected cells reveal virus particles distributed randomly in the cytoplasm or aggregated in regular array. Virus eliminated by heat treatment in 37 days at 37-38° C.

Bovey, R.(1980). Control of virus and virus-like diseases of grapevine: sanitary selection and certification, heat therapy, soil fumigation and performance of virus-tested material. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 299-309.

Keywords: 2270/grapevine/selection/sanitary selection/heat therapy/certification/performance/control/soil disinfection/review/Switzerland/meeting/ICVG

Bovey, R., Brugger, J.J., and Gugerli, P.(1980). Detection of fanleaf virus in grapevine tissue extracts by enzyme-linked immunosorbent assay (ELISA) and immune electron microscopy (IEM). *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 259-275.

Keywords: 2273/grapevine/fanleaf virus/detection/serology/ELISA/immunosorbent electron microscopy/Chenopodium/Switzerland

Bovey, R., Gärtel, W., Hewitt, W.B., Martelli, G.P., and Vuittenez, A.(1980). *Maladies à virus et affections similaires de la vigne. Virosen und virusähnliche Krankheiten der Rebe. Virus and virus-like diseases of grapevine.*, Editions Payot, Lausanne, Switzerland.

Keywords: 2274/grapevine/virus diseases/virus-like diseases/flavescence dorée/Pierce's disease/description/colour plates/handbook/symptoms

Notes: Handbook on virus and virus-like diseases, with 186 colour photographs, text in French, German and English.

Bovey, R.(1981). Aspects de la sélection sanitaire de la vigne (Aspects of sanitary selection of grapevine). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite,Venezia* 293-301.

Keywords: 2271/grapevine/sanitary selection/indexing/heat therapy/performance/review/Switzerland

- Bovey, R.(1985). Novel viruses and virus diseases of grapevine, new data on known diseases and their agents. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 8-11.
Keywords: 2272/grapevine/viruses/virus diseases/virus-like diseases/general/review/Switzerland
- Bovey, R., Gugerli, P., and Brugger, J.J.(1985). Some improvements in the detection of grapevine fanleaf virus by enzyme-linked immunosorbent assay (ELISA) and immune electron microscopy (IEM). *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 208-209.
Keywords: 2275/grapevine/fanleaf virus/detection/serology/ELISA/immunosorbent electron microscopy/Switzerland
- Branas, J. and Bernon, G.(1935). Contribution à l'étude du court-noué de la vigne. (Contribution to the study of grapevine court-noué/fanleaf). *Rev.path.veg.entomol.agric.* **22**, 19-24.
Keywords: grapevine/court-noué/fanleaf/France
Notes: In French
- Branas, J. and Bernon, G.(1936). Seconde contribution à l'étude du court-noué de la vigne. (Second contribution to the study of court-noué/fanleaf). *Ann.Ec.nat.agric.Montpellier.* 15-56.
Keywords: grapevine/court-noué/fanleaf/symptoms/France
Notes: In French
- Branas, J. and Bernon, G.(1936). Troisième contribution à l'étude du court-noué de la vigne. (Third contribution to the study of grapevine court-noué/fanleaf). *Ann.Ec.agric.Montpellier* 253-257.
Keywords: grapevine/court-noué/fanleaf/symptoms/France
Notes: In French
- Branas, J. and Bernon, G.(1937). Note sur la transmission par le sol de la dégénérescence infectieuse.(Note on soil transmission of fanleaf). *Rev.vitic.* **87**, 263-268.
Keywords: grapevine/fanleaf/dégénérescence infectieuse/soil transmission/France
Notes: In French
- Branas, J.(1946). La reconstitution du vignoble, la sélection, le contrôle phytosanitaire et le commerce des plants de vigne. (Replanting grapevines, selection, phytosanitary inspections and the commerce of grapevine plants). *Bull.O.I.V.* **19**, 81-95.
Keywords: grapevine/replanting/selection/quarantine/France
Notes: In French
- Branas, J., Bernon, G., and Levadoux, L.(1946). Nouvelles observations sur la transmission du court-noué de la vigne.(New informations on the transmission of grapevine court-noué/fanleaf). *Progr.Agric.Vitic.* **125**, (1-2)20-25(s.note).
Keywords: grapevine/court-noué/fanleaf/transmission/phylloxera/vector/France
Notes: In French. See also n° 3-4,p.42-48;n° 5-6,p.82-83. The A. develop the hypothesis of a transmission of fanleaf by phylloxera, based on circumstantial evidence and on limited experimentation.
- Branas, J.(1956). La "maladie du Chardonnay" et les épidémies de Flavescence. (The Chardonnay disease and the epidemics of flavescence.). *Progr.Agric.Vitic.* **77 (47-48)**, 320-325.
Keywords: grapevine/flavescence dorée/Chardonnay/field observations/France
Notes: In French
- Branas, J.(1966). Remarques sur les maladies à virus de la vigne (Remarks on grapevine virus diseases). *Progr.Agric.Vitic.* **83**, 229-291.
Keywords: 1392/grapevine/virus diseases/court-noué/France
- Branas, J.(1974). Sélection phytosanitaire. Résultats obtenus jusqu'à ce jour en viticulture et en oenologie par le moyen de la sélection visuelle et de la méthode dite de "thermothérapie" (Phytosanitary selection. Results obtained so far in viticulture an enology by means of visual selection and heat

- therapy). *Bull.OIV* **47(519)**, 369-378.
Keywords: 1542/grapevine/sanitary selection/heat therapy/virus-tested material/performance/France
- Brlansky, R.H., Lee, R.F., Timmer, L.W., Purcifull, D.E., and Raju, B.C.(1982). Immunofluorescent detection of xylem-limited bacteria in situ. *Phytopathology* **72**, 1444-1448.
Keywords: 2276/grapevine/Pierce's disease/detection/immunofluorescence/bacterium/Florida/USA
Notes: Detection in fluorescence microscope in situ in sectioned material using specific immunoglobulins conjugated with tetramethylrhodamine isothiocyanate, which produce orange-red fluorescence with 560-590 nm UV.
- Brlansky, R.H., Timmer, L.W., French, W.J., and McCoy, E.E.(1983). Colonization of the sharpshooter vectors, *Oncometopsis nigricans* and *Homalodisca coagulata*, by xylem-limited bacteria. *Phytopathology* **73**, 530-535.
Keywords: 2277/grapevine/Pierce's disease/bacterium/vector/sharpshooter/electron microscopy/Florida/USA
- Brown, D.J.F. and Roberts, I.S.(1980). Detection of nepoviruses in their nematode vectors by immunosorbent electron microscopy.(Abstract). *15th Intern.Nematol.Symp.European Society of Nematologists,Bari (Italy)* 36-37.
Keywords: 2278/grapevine/fanleaf virus/detection/nematode/vector/Xiphinema index/serology/immunosorbent electron microscopy/United Kingdom
- Brückbauer, H. and Rüdel, M.(1957). Untersuchung über die Frage der Übertragbarkeit der Reiskrankheit der Rebe durch Pfropfung. (Research on graft transmission of Reiskrankheit). *Mitt.Klosterneuburg* **A,7**, 171-187.
Keywords: grapevine/Reiskrankheit/fanleaf/nepovirus/graft transmission/Germany
- Brückbauer, H. and Pioth, L.Ch.(1957). Physiologisch-chemische Untersuchungen an gesunden und reiskranken Reben.(Physiological and chemical investigations on healthy and "reisk"-diseased grapevines). *Angew.Biol.* **31**, 174-190.
Keywords: grapevine/physiology/chemical/symptoms/Reiskrankheit/fanleaf/nepovirus/Germany
- Brückbauer, H. and Rüdel, M.(1958). Symptomatologische Beschreibung der Viruskrankheiten und der virusverdächtigen Erscheinungen an Reben. (Symptoms of virus- and virus-like diseases of grapevine). *Weinberg u.Keller* **5**, 409-428-480-494.
Keywords: grapevine/virus diseases/virus-like diseases/symptoms/Germany
- Brückbauer, H. and Rüdel, M.(1959). Untersuchungen zum Nachweis der Virusnatur der Reiskrankheit, Panaschüre, Rollkrankheit und anderer virusverdächtiger Erscheinungen der Rebe, mittels der Testpflanzenmethode. (Investigations on the viral nature of the Reiskrankheit, yellow mosaic, leafroll and other virus-like diseases of grapevine by indexing on herbaceous hosts). *Wein-Wiss.* **14**, 21-29.
Keywords: grapevine/Reiskrankheit/yellow mosaic/leafroll/virus-like diseases/indexing/herbaceous hosts/Germany
- Brückbauer, H. and Rüdel, M.(1960). Weitere Versuche zum Nachweis der Virusnatur der Reiskrankheit, Panaschüre, Rollkrankheit und des Mosaik der Weinrebe mittels der Testpflanzenmethode. (Further investigations on the virus nature of Reiskrankheit, yellow mosaic, leafroll and mosaic of grapevine with the indexing method on herbaceous hosts). *Wein-Wiss.* **15**, 1-8.
Keywords: grapevine/Reiskrankheit/fanleaf/nepovirus/indexing/herbaceous hosts
- Brückbauer, H. and Rüdel, M.(1961). Zur Frage der Übertragung der Abbaukrankheit der Rebe. (On the question of grapevine decline). *Mitt.Biol.Bundesanst.f.Land-u.Forstwirtschaft* (**104**), 88-95.
Keywords: grapevine/Reiskrankheit/decline/symptoms/Germany

- Brückbauer, H.(1961). Untersuchungen über die Viruskrankheiten der Rebe.I.Auftreten und Symptome der Reisigkrankheit and der Sorte Sylvaner. (Investigations on virus diseases of grapevine. I. Occurrence and symptoms of the Reisigkrankheit in cv. Sylvaner). *Weinberg u.Keller* **8**, 322-334.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/symptoms/Sylvaner/Germany
- Brückbauer, H.(1961). Untersuchungen über die Viruskrankheiten der Rebe.II.Mechanische Übertragung der Reisigkrankheit auf krautige Testpflanzen. (Invertigations on virus diseases of grapevine.II. Mechanical transmission of the Reisigkrankheit on herbaceous test plants). *Wein-Wiss.* **16**, 113-134.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/mechanical transmission/herbaceous hosts/Germany
- Brückbauer, H.(1961). Untersuchungen über die Viruskrankheiten der Rebe. III.Samenübertragbarkeit der Reisigkrankheit des Silvaners bei einer Testpflanze sowie Untersuchungen über das evtl. Vorkommen des Virus an Weinbergsunkräutern.(Investigations on virus diseases of grapevine.III. Seed transmission of the Reisigkrankheit of cv. Silvaner in a test plant and research on the possible presence of the virus in vineyard weeds). *Wein-Wiss.* **16**, 187-189.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/seed transmission/herbaceous hosts/weeds/vineyard/Germany
- Brückbauer, H.(1961). Untersuchungen über die Viruskrankheiten der Rebe.IV.Weitere Untersuchungen zur mechanischen Übertragung der Reisigkrankheit auf krautige Testpflanzen.(Investigations on virus diseases of grapevine.IV. Further research on mechanical transmission of Reisigkrankheit to herbaceous test plants). *Wein-Wiss.* **16**, 206-217.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/mechanical transmission/herbaceous hosts/Germany
- Brückbauer, H.(1962). Untersuchungen über die Viruskrankheiten der Rebe. V.Übertragungsversuche mit reisigkranken Amerikaner-Reben. (Investigations on virus diseases of grapevine. V.Transmission experiments with "reisig"-infected American grapevines). *Wein-Wiss.* **17**, 133-140.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/transmission/American grapevines/Germany
- Brückbauer, H.(1963). Untersuchungen über den Wirtspflanzenkreis der Rebenviren. (Investigations on the host range of grapevine viruses). *Wein-Wiss.* **18**, 369-382.
Keywords: grapevine/viruses/host range/Germany
- Brückbauer, H.(1963). Eine besondere Form der Reisigkrankheit an Amerikaner-Reben. (A peculiar type of Reisigkrankheit on American grapevines). *Wein-Wiss.* **18**, 383-391.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/symptoms/American grapevines/field observations/Germany
- Brückbauer, H. and Rüdell, M.(1965). Untersuchungen über den Nachweis der Rebvirosen und die Erkennung früher bzw. latenter Infektionen (Research on detection of grapevine viruses with special reference to latent infections). *Jahresbericht 1964 des FDW bei der DLG* 29-34.
Keywords: 1393/grapevine/virus diseases/virus-like diseases/detection/Germany
- Brückbauer, H. and Rüdell, M.(1965). Untersuchungen über den Nachweis der Rebvirosen und die Erkennung früher bzw. latenter Infektionen. (Research on the detection of grapevine virus diseases and of latent infections). *Jahresbericht des FDW bei der DLG (1964)*, 29-34.
Keywords: Reisigkrankheit/nepovirus/detection/latent/Germany/grapevine/virus/virus diseases/infection
Notes: In German
- Brückbauer, H.(1966). Sind Sprossdeformationen ein Merkmal der Reisigkrankheit ? (Are shoot deformations a symptom of the Reisigkrankheit ?). *Wein-Wiss.* **21**, 246-253.

- Keywords:** grapevine/Reisigkrankheit/symptoms/Germany
Notes: In German
- Brückbauer, H.(1967). Die Enationenkrankheit an Reben. (Enation disease of grapevine). *Dt.Weinbau-Jahrb.* **18**, 166-171.
Keywords: grapevine/enation/symptoms/Germany
Notes: In German
- Brückbauer, H. and Rüdel, M.(1967). Beobachtungen und Untersuchungen über einige viröse und virusverdächtige Verfärbungen und Rollererscheinungen an Reben. (Observation and research on some symptoms of coloration and leaf rolling in grapevine). *Wein-Wiss.* **22**, 481-496.
Keywords: grapevine/leafroll/red leaf/symptoms/etiology/Germany
Notes: In German
- Brückbauer, H.(1968). Beobachtungen und Untersuchungen über die Enationenkrankheit der Rebe. (Observations and research on enation disease of grapevine). *Weinberg u.Keller* **15**, 79-112.
Keywords: grapevine/enation/symptoms/transmission/Germany
Notes: In German
- Brückbauer, H.(1968). *Pflanzliche Virologie*. (Klinkowski, M., Ed.) 2 edition. Akad. Verlag, Berlin. 380-405.
Keywords: virus diseases/grapevine/general/Europe/Germany/handbook
Notes: In German
- Brückbauer, H.(1968). Über den derzeitigen Stand der weinbaulichen Virusforschung. (On the present state of grapevine virus research). *Weinberg u.Keller* **15**, 413-434.
Keywords: grapevine/virus/review/Reisigkrankheit/leafroll/selection/Germany
- Brückbauer, H.(1969). Wirtschaftliche Bedeutung und Übertragungsmöglichkeiten der Rebvirosen. (Economic importance and transmission of grapevine virus diseases). *Dt.Weinbau* **24**, 774-777.
Keywords: virus diseases/grapevine/economic importance/transmission/Germany
Notes: In German
- Brückbauer, H.(1969). Beobachtungen über die Reaktion der Rebe nach Anwendung des Bodenentseuchungsmittels Shell D-D. (Observations on the reaction of grapevine after the application of the soil fumigant Shell D-D). *Weinberg u.Keller* **16**, 65-70.
Keywords: grapevine/soil fumigation/DD/Germany
Notes: In German
- Brückbauer, H.(1970). Bekämpfung der Rebvirosen und Massnahmen zur Erzielung virusfreien Vermehrungsmaterials (Control of grapevine virus diseases and how to obtain virus-free material for multiplication). *Dt.Weinbau* **25**, 432-435 (See note).
Keywords: 1543/grapevine/virus diseases/virus-like diseases/virus elimination/virus-free material/control/Germany
Notes: This paper is continued on p. 597-600 of the same volume.
- Brückbauer, H.(1970). Aktuelle Fragen in der Rebvirosenforschung (Present problems in grapevine virus research). *Rebe und Wein* **23**, 45-48.
Keywords: grapevine/virus/review/general/Germany
- Brückbauer, H. and Rüdel, M.(1971). *Die Viruskrankheiten der Rebe. Bedeutung, Diagnose und Bekämpfung (Virus diseases of grapevine. Importance, diagnosis and control)*., Verlag E.Ulmer, Stuttgart, BRD.
Keywords: 1563/grapevine/virus diseases/virus-like diseases/handbook/Germany

- Brückbauer, H. and Schaefer, H.(1971). Verbesserung vorhandener und Entwicklung neuer frühdiagnostischer Nachweismethoden zur Erfassung latenter Virusinfektionen bei Reben (Improvement of present methods and development of new early diagnosis methods for latent infections of grapevines). *Jahresbericht 1970 des FDW bei der DLG* 25
Keywords: 1565/grapevine/virus-like diseases/latent/diagnosis/detection/methods/Germany
- Brückbauer, H.(1972). Rebenveredlung und Viruskrankheiten der Rebe (Grafting grapevines and the virus problem). *Weinberg und Keller* **19**, 511-535.
Keywords: 1544/grapevine/virus diseases/virus-like diseases/graft incompatibility/graft transmission/Germany
- Brückbauer, H.(1972). Viruskrankheiten der Rebe (Grapevine virus diseases). *Kali-Briefe Fachgeb.12, Folge 5*, 1-11.
Keywords: 1545/grapevine/virus diseases/general/review/Germany
- Brückbauer, H.(1972). Die Bedeutung der Brache für die Wiederbepflanzung virusverseuchter Weinbergböden der Ahr (Importance of fallowing before replanting grapevine in infected vineyard soils in the Ahr region). *Zweijahresbericht der LLVA Ahrweiler* 49-55.
Keywords: 1546/grapevine/fanleaf/nepoviruses/fallow/replanting/Germany
Notes: On the effects of fallowing before replanting grapevines in infected soils.
- Brückbauer, H. and Schaefer, H.(1972). Verbesserung vorhandener und Entwicklung neuer frühdiagnostischer Nachweismethoden zur Erfassung latenter Virusinfektionen bei Reben im Hinblick auf die Gesundheitsselektion (Improvement of diagnosis and detection methods for latent viruses of grapevines). *Jahresbericht 1971 des FDW bei der DLG* 24
Keywords: 1566/grapevine/virus-like diseases/latent/diagnosis/detection/methods/Germany
- Brückbauer, H.(1973). Möglichkeiten zur Erzeugung von gesundem Vermehrungsmaterial im Weinbau (Possibilities of obtaining healthy propagation material in viticulture). *Dt. Weinbau-Jahrb.* **24**, 94-99.
Keywords: 1547/grapevine/selection/virus-free material/methods/Germany
- Brückbauer, H.(1973). Die negativen Auswirkungen der Viruskrankheiten auf die Rebe (Negative effects of virus diseases on grapevines). *Mitteilungsbl.des Vereins ehemal Schüler der LLFA Neustadt/Wstr.* **21**, 27-32.
Keywords: 1548/grapevine/virus diseases/virus-like diseases/symptoms/economic importance/Germany
- Brückbauer, H.(1973). Die wirtschaftliche Bedeutung der Rebvirosen und ihre Bekämpfung (Economic importance of grapevine virus diseases and their control). *24.Rheinheische Weinbauwoche der LLVA Oppenheim,Rheinhesse* 35-46.
Keywords: 1549/grapevine/virus diseases/virus-like diseases/economic importance/review/Germany
- Brückbauer, H.(1973). Untersuchungen über den Einfluss virusstabilisierender Substanzen auf die mechanische Uebertragung von Rebviren (Research on the influence of stabilizing substances on the mechanical transmission of grapevine viruses). *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 132-139.
Keywords: 1550/grapevine/viruses/mechanical transmission/methods/Germany
Notes: On techniques of mechanical transmission, with stabilizers and buffers at pH 8.
- Brückbauer, H. and Schaefer, H.(1973). Verbesserung vorhandener und Entwicklung neuer frühdiagnostischer Nachweismethoden zur Erfassung latenter Virusinfektionen bei Reben im Hinblick auf die Gesundheitsselektion (Improvement of diagnosis and detection methods for latent viruses of grapevines). *Jahresbericht 1972 des FDW bei der DLG* 20-21.
Keywords: 1567/grapevine/virus-like diseases/latent/diagnosis/detection/methods/Germany

- Brückbauer, H.(1974). Die Bedeutung der Brache im Weinbau (Importance of fallowing in viticulture). *Kali-Briefe Fachgeb. 5, Folge 1*, 1-8.
Keywords: 1551/grapevine/fanleaf/nepoviruses/replanting/fallow/Germany
- Brückbauer, H.(1974). *Forschung - Schule - Praxis. Festschrift zum 75jährigen Bestehen der LLFA für Wein- und Gartenbau, Neustadt/Wstr. 1899-1974.* (AnonymousLandes- Lehr- und Forschungsanstalt für Wein- und Gartenbau, Neustadt an der Weinstrasse, BRD. 223-224.
Keywords: 1552/grapevine/virus diseases/virus-like diseases/symptoms/transmission/nematode/vector/control/review/Germany
- Brückbauer, H.(1974). *Forschung - Schule -Praxis. Festchrift zum 75jährigen Bestehen der LLFA für Wein- und Gartenbau, Neustadt/Weinstrasse.,1899-1974.* (AnonymousLandes- Lehr- und Forschungsanstalt für Wein- und Gartenbau, Neustadt an der Weinstrasse, BRD. 224-233.
Keywords: 1553/grapevine/virus diseases/virus-like diseases/general/research results/Germany
- Brückbauer, H.(1975). *Jahresbericht 1974.* (AnonymousLandes- Lehr- und Forschungsanstalt für Wein- und Gartenbau, Neustadt and der Weinstrasse, BRD. 80-90.
Keywords: 1554/grapevine/virus diseases/virus-like diseases/research results/general/Germany
- Brückbauer, H.(1976). *Jahresbericht 1975.* (AnonymousLandes- Lehr- und Forschungsanstalt für Wein- und Gartenbau, Neustadt and der Weinstrasse, BRD. 93-103.
Keywords: 1555/grapevine/virus diseases/virus-like diseases/research results/general/Germany
- Brückbauer, H.(1976). Ergänzende Befunde zu der Veröffentlichung von BERCKS und QUERFURTH über "Untersuchungen zur Frage der mechanischen Virusübertragung bei Freilandreben" (Additional results to the publication of Bercks and Querfurth on the question of mechanical transmission of viruses in the vineyard). *Wein-Wiss.* **31**, 259-262.
Keywords: 1556/grapevine/viruses/mechanical transmission/vineyard/Germany
Notes: No evidence of transmission of grapevine viruses by root contact or by pruning tools.
- Brückbauer, H. and Rüdel, M.(1976). Untersuchungen über eine "atypische" Form der Reisigkrankheit bei der Rebsorte Silvaner (Investigations on an atypical form of Reisigkrankheit). *Weinberg und Keller* **23**, 53-79.
Keywords: 1564/grapevine/Reisigkrankheit/arabis mosaic virus/spread/Xiphinema diversicaudatum/asteroid mosaic/Germany
Notes: The first symptoms are yellow mosaic-like and later shoots are stunted with pale coloured leaves. Disease appears in patches, spreads slowly, associated with Xiphinema diversicaudatum. Arabis mosaic virus has been isolated from all infected grapevines.
- Brückbauer, H.(1977). Untersuchungen über die Virusanfälligkeit von Cinerea ARNOLD und einiger Cinerea-Kreuzungen (Investigations on the sensitivity of Cinerea ARNOLD and of some Cinerea crosses). *Wein-Wiss.* **32**, 189-198.
Keywords: 1557/grapevine/fanleaf virus/Vitis cinerea/variatal sensitivity/Germany
Notes: Symptoms of fanleaf virus on Vitis cinerea and on its hybrids with 125 AA, Riesling and Trollinger.
- Brückbauer, H.(1977). Der Einfluss latenter Virusinfektionen auf das Wachstum der Reben (On the influence of latent viruses on grapevine growth). *Dt.Weinbau-Jahrb.* **28**, 127-134.
Keywords: 1558/grapevine/virus-like diseases/latent/growth/Germany
- Brückbauer, H.(1977). *Jahresbericht 1976.* (AnonymousLandes- Lehr- und Forschungsanstalt für Wein- und Gartenbau, Neustadt an der Weinstrasse, BRD. 82-90.
Keywords: 1559/grapevine/virus diseases/virus-like diseases/research results/Germany

- Brückbauer, H.(1978). Verstärktes Auftreten des Blattrollens an Reben (Stronger occurrence of leafroll in grapevines). *Pfälzer Bauer* **30**, 13-14.
Keywords: 1560/grapevine/leafroll/symptoms/economic importance/Germany
- Brückbauer, H.(1978). Die Viruskrankheiten der Rebe. Die Erkennung und Bedeutung für den Weinbau (Virus diseases of grapevine. Detection and importance for viticulture). *Rebe und Wein* **31**, 217-221.
Keywords: 1561/grapevine/virus diseases/virus-like diseases/economic importance/detection/diagnosis/Germany
- Brückbauer, H.(1978). Brache beim Neuaufbau von Weinbergen. Aus der Sicht der Bekämpfung der Rebvirosen (Fallowing before replanting a vineyard. Point of view of virus disease control). *Dt.Weinbau* **33**, 213-217.
Keywords: 1562/grapevine/nepoviruses/nematode/vectors/control/fallow/Germany
Notes: On the usefulness of fallowing before replanting a vineyard, as a control measure for grapevine viruses.
- Brückbauer, H.(1979). Die Bedeutung der intrazellularen Stäbe für die Diagnose der Reisigkrankheit bei Europäerreben (Significance of trabeculae for the diagnosis of Reisigkrankheit in European grapevines). *Wein-Wiss.* **34**, 83-89.
Keywords: 2279/grapevine/fanleaf virus/tomato black ring virus/trabeculae/Germany
Notes: With the cv. Scheurebe, fanleaf virus produces 1.4 - 2.5 trabeculae per section, whereas tomato black ring virus produces only 0.03 - 0.06 trabeculae per section. Reisigkrankheit= infection with fanleaf virus + (usually) other nepoviruses, for instance arabis mosaic virus, tomato black ring virus, strawberry latent ringspot virus, raspberry ringspot virus.
- Brückbauer, H.(1979). Das Verhalten von Rebenneuzüchtungen nach Virusinfektionen. *Dt.Weinbau-Jahrb.* **30**, 75-85.
Keywords: 2280/grapevine/Reisigkrankheit/fanleaf virus/tomato black ring virus/arabis mosaic virus/raspberry ringspot virus/strawberry latent ringspot virus/variatal sensitivity/symptoms/Germany
- Brückbauer, H.(1979). *Jahresbericht 1978*. (AnonymousLandes-Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt and der Weinstrasse, BRD. 77-87.
Keywords: 2281/grapevine/yellow mosaic/potyvirus/Kerner disease/leafroll/trabeculae/heat therapy/sanitary state/Germany
- Brückbauer, H.(1979). *Die Klonenselektion, Berufsbezogene Weiterbildung-Studienprogram, Seminar Emmelshausen 1978*. (AnonymousMinisterium für Landwirtschaft, Weinbau und Forsten, D-6500 Mainz,BRD. 137-164.
Keywords: 2282/grapevine/sanitary selection/clonal selection/virus-free material/soil disinfection/Germany
- Brückbauer, H.(1979). Die Viruskrankheiten der Rebe; Bedeutung, Erkennung, Nachweismöglichkeiten und Bekämpfung (Virus diseases of grapevine. Importance, diagnosis and control).(See note concerning page reference). *Pfälzer Bauer* **31(28)**, 14-15.
Keywords: 2283/grapevine/virus diseases/virus-like diseases/symptoms/diagnosis/control/Germany
Notes: This paper is continued in flowing issues of Pfälzer Bauer, vol. 31: (29),22-23, (30),24-26,(31),28.
- Brückbauer, H.(1979). Untersuchungen zur Thermotheapie der Reben. Verhalten von Rebsorten bei hohen Temperaturen (Reseach on heat therapy of grapevine. Effect of high temperatures on grapevine). *Wein-Wiss.* **34**, 264-278.
Keywords: 2284/grapevine/heat therapy/Germany

- Brückbauer, H.(1980). Einfluss von Virusinfektionen auf Wachstum und Ertrag der Rebe (Influence of virus infection on growth and yield of grapevine). *Dt.Weinbau-Jahrb.* **31**, 145-152.
Keywords: 2285/grapevine/virus diseases/virus-like diseases/Reisigkrankheit/fanleaf virus/nepoviruses/leafroll/enation/fleck/performance/variatal sensitivity/Germany
- Brückbauer, H.(1980). Untersuchungen zum Nachweis der virösen Blattrollkrankheit der Rebe mittels Pfropftest (Research on the detection of grapevine leafroll by graft indexing). *Wein-Wiss.* **35**, 195-198.
Keywords: 2286/grapevine/leafroll/indexing/Germany
- Brückbauer, H. and Rüdel, M.(1980). *Jahresbericht 1979.* (AnonymousLandes- Lehr und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt and der Weinstrasse, BRD. 80-91.
Keywords: 2291/grapevine/virus diseases/virus-like diseases/fanleaf virus/strawberry latent ringspot virus/tomato ringspot virus/arabis mosaic virus/raspberry ringspot virus/heat therapy/Germany
- Brückbauer, H.(1981). Die infektiöse Blattrollkrankheit der Rebe und ihre Bedeutung für den Weinbau (Grapevine leafroll, its importance for viticulture). *Dt.Weinbau-Jahrb.* **32**, 143-152.
Keywords: 2287/grapevine/leafroll/economic importance/Germany
- Brückbauer, H.(1981). Die heimischen Rebvirosen und ihre Erkennung (Our grapevine virus diseases and their diagnosis). *Winzer Kurier* **8**, 10-20.
Keywords: 2288/grapevine/virus diseases/virus-like diseases/diagnosis/Germany
- Brückbauer, H. and Rüdel, M.(1981). *Jahresbericht 1980.* (AnonymousLandes- Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt an der Weinstrasse, BRD. 81-88.
Keywords: 2292/grapevine/virus diseases/virus-like diseases/heat therapy/chemotherapy/Kerner disease/fanleaf virus/raspberry ringspot virus/arabis mosaic virus/tomato black ring virus/Germany
- Brückbauer, H. and Rüdel, M.(1981). Untersuchungen über das Himbeerringflecken-Virus (RRV) in hiesigen Weinbergen (Research on raspberry ringspot virus in local vineyards). *Wein-Wiss.* **36**, 410-430.
Keywords: 2293/grapevine/raspberry ringspot virus/Germany
- Brückbauer, H.(1982). Mögliche Beziehungen zwischen Virus und Symptomausprägung bei der Rebe (Relationships between virus content and symptom expression in grapevines). *Wein-Wiss.* **37**, 88-118.
Keywords: 2289/grapevine/symptoms/nepoviruses/fanleaf virus/arabis mosaic virus/strawberry latent ringspot virus/tomato black ring virus/raspberry ringspot virus/variatal sensitivity/Germany
- Brückbauer, H.(1982). Nachweis des Luzernemosaik-Virus (alfalfa mosaic virus-AMV) in Reben mittels krautiger Testpflanzen (Detection of alfalfa mosaic virus in grapevines by means of herbaceous hosts). *Wein-Wiss.* **37**, 234-254.
Keywords: 2290/grapevine/alfalfa mosaic virus/detection/mechanical transmission/herbaceous hosts/Germany
- Brückbauer, H. and Rüdel, M.(1982). *Jahresbericht 1981.* (AnonymousLandes- Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt and der Weinstrasse, BRD. 60-65.
Keywords: 2294/grapevine/virus diseases/virus-like diseases/tomato black ring virus/strains/trabeculae/sanitary selection/Germany
- Buturovic, D. and Klindic, O.(1977). Contribution to the study of virus diseases and nematodes in the vineyards of Herzegovina (In Serbo-Cr.). *Savjetovanje o ekshoriozi i virusnim bolestima vinove*

- loze (*Proc.Conf.on Excoriosis and Virus Diseases of Grapevine*) Hepok,Mostar (Yugosl.) 177-180.
Keywords: 1568/grapevine/virus diseases/virus-like diseases/nematodes/Yugoslavia
- Buturovic, D., Grbelja, J., and Eric, Z.(1979). Geographical distribution of tomato black ring virus in Yugoslavia.(In Serbo-Cr., Eng. sum.). *Acta Bot.Croatica* **38**, 9-12.
Keywords: 2295/grapevine/tomato black ring virus/Yugoslavia
- Cadman, C.H., Dias, H.F., and Harrison, B.D.(1960). Sap-transmissible viruses associated with diseases of grapevine in Europe and North America. *Nature* **187**, 577-579.
Keywords: grapevine/fanleaf virus/arabis mosaic virus/sap transmission/mechanical transmission/herbaceous hosts/symptoms/Chenopodium/serology/England
Notes: This is the first report of transmission of fanleaf virus from grapevine to herbaceous hosts, and of serological relationships between fanleaf virus and arabis mosaic virus.
- Cairaschi, E.A.(1952). Quelques observations sur l'état sanitaire du vignoble américain. Importance de la maladie de Pierce et autres maladies à virus. (Some observations on the sanitary state of the American vineyards. Importance of Pierce's disease and other virus diseases). *Progr.Agric.Vitic.* **31**, 59-63.
Keywords: grapevine/Pierce's disease/fanleaf/leafroll/symptoms/general/USA
- Calavan, E., Goheen, A.C., and Nyland, G.(1973). Techniques for rapid multiplication of clean foundation stocks. *Proc.18th Internat.Hort.Congr.,Tel-Aviv,March 1970 III*, 74-79.
Keywords: 1569/grapevine/multiplication/methods/California/USA
Notes: Rapid increase methods for certified grape stocks.
- Calò, A., Costacurta, A., Egger, E., and De Rosa, T.(1977). Martelli, G.P., Ed.) Atti Seminario C.N.R., Bari, Italy. 71-77.
Keywords: 1570/grapevine/clonal selection/sanitary selection/Italy
Notes: Work in progress on genetical and sanitary selection of grapevine in Venezia.
- Cameron, H.(1975). Diseases affecting grapevines in Oregon: fungus, bacterial and virus diseases. *Ann.Rept.Proc.Oreg.Hort.Soc.* **66**, 93-94.
Keywords: 1571/grapevine/virus diseases/virus-like diseases/Oregon/USA
- Campbell, W.P.(1985). Selection versus heat treatment as a means of obtaining plants free from specified viruses. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 211-(Abstract)
Keywords: 2296/grapevine/selection/heat therapy/comparison/virus-free material/Canada
- Canova, A.(1975). Selezione sanitaria e risanamento della vite in Emilia Romagna e Piemonte (Sanitary selection and cure of grapevine in Emilia Romagna and Piedmont). *Coltivatore e Giornale Vinicolo Italiano* **121**, 324-325.
Keywords: 1572/grapevine/sanitary selection/Italy
Notes: A description of criteria and methods of vine selection, and a listing of rootstocks and varieties which have had heat treatment. See also Atti Tavola Rotonda "Malattie da virus e da micoplasmi della vite", Lab. Fitoviol. Applicata C.N.R., Torino, 83-86.
- Cardenas, E. and Teliz, D.(1983). Anatomia patologica de los cultivares de la vid (Cardinal y Salvador) y de un hibrido (LN 33) con corteza corchoza (Pathologic anatomy of grapevine cultivars (Cardinal and Salvador) and of an hybrid (LN 33) with corky bark). *Rev.Mexicana Fitopatol.* **2(1)**, 27-34.
Keywords: 2297/grapevine/corky bark/histology/varietal sensitivity/Mexico
- Carle, P.(1964). Influence du mode de pulvérisation sur l'action du D.D.T. contre *Scaphoideus littoralis* (Ball) vecteur de la Flavescence dorée. (Influence of the spray technique for DDT against *Scaphoideus titanus* (Ball) vector of Flavescence dorée). *Vignes et Vins* **(135)**, 7-12.
Keywords: grapevine/flavescence dorée/vector/*Scaphoideus titanus*/*Scaphoideus littoralis*/control/DDT/spray technique/France

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Keywords: grapevine/yellows/flavescence dorée/*Scaphoideus littoralis*/*Scaphoideus titanus*/vector/control/France
- Carle, P.(1965). Fluoroscopie des symptômes histologiques de la flavescence dorée de la vigne. Application à la détection rapide des lésions précoces sur cépage sensible (Baco 22 A). (Fluoroscopic study of histologic symptoms of grapevine flavescence dorée. Application to the quick detection of early lesions on the sensitive cv. Baco 22 A). *Ann.Epiphyt.* **16 (No hors serie)**, 73-85.
Keywords: grapevine/flavescence dorée/symptoms/histology/fluoroscopy/detection/France
Notes: In French. No hors série "Etudes de virologie".
- Carle, P. and Amargier, R.(1965). Etude anatomique et histologique des organes internes de *Scaphoideus littoralis* Ball., vecteur du virus de la flavescence dorée de la vigne. (Anatomic and histologic study of internal organs of *Scaphoideus littoralis* Ball., vector leafhopper of grapevine flavescence dorée virus). *Ann.Epiphyt.* **16**, 335-382.
Keywords: grapevine/flavescence dorée/*Scaphoideus littoralis*/vector/anatomy/histology/France
Notes: In French
- Carle, P. and Moutous, G.(1965). Observations sur le mode de nutrition sur la vigne de quatre espèces de cicadelles.(Observations on nutrition on grapevine of four species of leafhoppers). *Ann.Epiphyt.* **16**, 333-354.
Keywords: leafhopper/nutrition/grapevine/France
Notes: In French
- Carle, P. and Moutous, G.(1967). Recherche sur d'éventuels vecteurs de la flavescence dorée. (Research on possible vectors of flavescence dorée). *Ann.Epiphyt.* **18 (No hors serie)**, 151-156.
Keywords: grapevine/flavescence dorée/vector/France
Notes: In French. No hors série "Etudes de virologie".
- Cartechini, A.(1977). *Utilizzazione dei risultati della selezione della vite da vino*. (Martelli, G.P., Ed.) Atti Seminario C.N.R., Bari, Italy. 105-110.
Keywords: 1573/grapevine/clonal selection/sanitary selection/Italy
Notes: Work in progress on sanitary and clonal selection of grapevine in Umbria and Lazio.
- Castella, F.(1934). Court-noué - a mysterious vine disease. *J.Agricult. (Victoria)* **32**, 298-301.
Keywords: 1394/grapevine/court-noué/fanleaf/Australia
- Castellano, M.A., Martelli, G.P., and Savino, V.(1983). Virus-like particles and ultrastructural modifications in the phloem of leafroll-affected grapevines. *Vitis* **22**, 23-39.
Keywords: 2299/grapevine/leafroll/virus-like particles/ultrastructure/phloem/Italy
Notes: Filamentous and isometric particles observed in phloem cells.
- Castellano, M.A. and Martelli, G.P.(1984). Ultrastructure and nature of vesiculated bodies associated with isometric virus-like particles in diseased grapevines. *J.Ultrastructure Res.* **89**, 56-64.
Keywords: 2298/grapevine/isometric particles/ultrastructure/electron microscopy/Italy
- Castellano, M.A., Martelli, G.P., Savino, V., and Boscia, D.(1985). Progress in the study of the phloem-limited isometric virus-like particles associated with leafroll-diseased grapevines. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 165-169.
Keywords: 2300/grapevine/leafroll/isometric particles/virus-like particles/ultrastructure/electron microscopy/Italy

- Castillo, J., Hévin, M., and Rives, M.(1975). Transmission d'une virose de la vigne (maladie de l'écorce liégeuse ou Corky Bark) par la méthode de la greffe en vert (Transmission of grapevine corky bark by green grafting). *C.R.Hebd.Séances Acad.Sci.(Paris), Sér.D* **281**, 147-150.
Keywords: 1574/grapevine/corky bark/transmission/green grafting/France
Notes: La transmission de la maladie dite de l'écorce liégeuse a été obtenue, pour la première fois, par la greffe en vert d'un fragment de tige de "Rupestris du Lot", porteur du virus mais sans symptôme apparent, sur des plantes en végétation de la variété LN 33. Cette technique peut être utilisée pour la détection pratique de la virose.
- Castrovilli, S., Savino, V., Castellano, M.A., and Engelbrecht, D.J.(1985). Characterization of a grapevine isolate of broadbean wilt virus. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 35-40.
Keywords: 2301/grapevine/broadbean wilt virus/South Africa/Italy
- Caudwell, A.(1957). Deux années d'études sur la Flavescence dorée, nouvelle maladie grave de la vigne.(A 2-year study on Flavescence dorée, a new severe disease of grapevine). *Ann.Amel.Pl.* **12**, 359-393.
Keywords: grapevine/flavescence dorée/field observations/graft transmission/France
- Caudwell, A. and Poitou, N.(1960). Interactions entre court-noué et flavescence dorée. (Interactions between court-noué/fanleaf and flavescence dorée.). *C.R.Acad.Agric.Fr.* **46**, 958-963.
Keywords: grapevine/flavescence dorée/court-noué/fanleaf/interactions/symptoms/France
- Caudwell, A.(1961). Etat actuel des recherches sur le virus de la Flavescence dorée de la vigne.(Present status of knowledge on the virus of flavescence dorée). *Rev.zool.agric.appl.* **59**, 81-88.
Keywords: grapevine/flavescence dorée/review/France
- Caudwell, A.(1961). Etude sur la maladie du bois noir de la vigne: ses rapports avec la Flavescence dorée. (Study on the bois noir disease of grapevine: its relationships with flavescence dorée). *Ann.Epiphyties* **12(3)**, 241-262.
Keywords: grapevine/bois noir/flavescence dorée/France
Notes: In French.
- Caudwell, A.(1961). Les phénomènes de rétablissement chez la Flavescence dorée de la vigne.(The recovery phenomena with flavescence dorée of grapevine). *Ann.Epiphyties* **12(3)**, 347-354.
Keywords: grapevine/flavescence dorée/recovery/latent infection/France
- Caudwell, A.(1962). Six années de recherches sur la Flavescence dorée. (Six years research on flavescence dorée). *Agriculture* **248**, 248-251.
Keywords: grapevine/flavescence dorée/review/France
- Caudwell, A. and Bachelier, J.C.(1963). Premiers résultats de transmission de la Flavescence dorée à des plantes herbacées.(First results in transmitting flavescence dorée to herbaceous hosts). *C.R.Acad.Agric.Fr.* **49**, 144-148.
Keywords: grapevine/flavescence dorée/transmission/herbaceous hosts/cuscuta/symptoms/France
Notes: Transmission of the agent of FD to several herbaceous plants by means of Cuscuta. The best species are C. europaea, C. subinclusa and C. australis. Transmission to Plantago lanceolata (+++), Trifolium incarnatum, T. repens (+++), Melilotus alba (+++), Medicago lupulina, M. maculata, M.sativa, Phaseolus vulgaris. (+++)= plants with strongest symptoms. These are of the phyllody type.
- Caudwell, A.(1964). Identification d'une nouvelle maladie à virus de la vigne, la flavescence dorée. Etude des phénomènes de localisation des symptômes et de rétablissement.(Identification of a new virus disease of grapevine. Study of symptom localization and recovery phenomena). *Ann.Epiphyties* **15 (No hors sér.1)**, 1-193.
Keywords: grapevine/flavescence dorée/recovery/symptoms/identification/transmission/graft

transmission/cuscuta/leafhopper/vector/Scaphoideus littoralis/France
Notes: In French. This is the doctorate thesis work of Dr Caudwell.

Caudwell, A.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 126-135.

Keywords: grapevine/flavescence dorée/symptoms/general/France/meeting/ICVG

Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965

Caudwell, A.(1966). L'inhibition in vivo du virus de la flavescence dorée par la chaleur. (In vivo inhibition of flavescence dorée virus by heat). *Ann.Epiphyt.* **17 (No hors serie)**, 61-66.

Keywords: grapevine/flavescence dorée/heat therapy/France

Notes: In French

Caudwell, A.(1966). Utilisation de hauts polymères hydrosolubles pour l'extraction et la purification partielle d'un virus végétal. (Use of hydrosolubles polymers for extracting and purifying partially a plant virus). *Ann.Epiphyt.* **17 (No hors serie)**, 169-178.

Keywords: grapevine/purification/polymer/France

Notes: In French

Caudwell, A.(1967). Extraction d'un virus de la vigne en l'absence de nicotine et utilisation des hauts polymères hydrosolubles pour sa concentration.(Extraction of a grapevine virus without nicotine and use of hydrosoluble polymers for its concentration). *C.R.92e Congr.Nat.Soc.Savantes,Strasbourg-Colmar,sect.sciences.* -, 313-317.

Keywords: grapevine/fanleaf virus/purification/polymer/France

Notes: In French

Caudwell, A.(1968). Der heutige Stand der Flavescence dorée-Forschung. (Present state of research on flavescence dorée). *Vitis* **7**, 141-150.

Keywords: grapevine/flavescence dorée/review/France

Notes: Review, in German.

Caudwell, A.(1968). Extraktion und schnelle Konzentration des Virus der Reisigkrankheit. (Extraction and quick concentration of the virus of Reisigkrankheit). *Weinberg u.Keller* **15**, 509

Keywords: grapevine/Reisigkrankheit/fanleaf virus/nepovirus/purification/France/meeting/ICVG

Notes: In German. Abstr. 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967.

Caudwell, A.(1968). Flavescence dorée und Corky bark. (Flavescence dorée and corky bark). *Weinberg u.Keller* **15**, 509-510.

Keywords: grapevine/flavescence dorée/corky bark/relationship/symptoms/France/meeting/ICVG

Notes: In German. Abstr. 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967.

Caudwell, A. and Larrue, J.(1968). L'extraction sans nicotine du virus du court-noué de la vigne et sa concentration par le polyéthylène glycol. (Extraction of fanleaf virus without using nicotine and concentration of the virus by means of polyethylene glycol). *Ann.Epiphyt.* **19**, 55-62.

Keywords: grapevine/fanleaf virus/purification/polyethylene glycol/France/virus/court-noué/fanleaf

Notes: In French

Caudwell, A., Bachelier, J.C., Kuszala, C., and Larrue, J.(1969). Etude de la survie de la cicadelle *Scaphoideus littoralis* Ball. sur les plantes herbacées et utilisation de ces données pour transmettre le flavescence dorée de la vigne à d'autres espèces végétales. (Studies on the survival of the leafhopper *Scaphoideus littoralis* Ball. on herbaceous hosts and use of these data for transmitting flavescence dorée from grapevine to other plant species). *C.R.Acad.Sci.,Paris* **269**, 101-103.

Keywords: grapevine/flavescence dorée/Scaphoideus littoralis/leafhopper/herbaceous

hosts/transmission/vector/France

Notes: In French

Caudwell, A., Kuszala, C., Bachelier, J.C., and Larrue, J.(1970). Transmission de la flavescence dorée de la vigne aux plantes herbacées par l'allongement du temps d'utilisation de la cicadelle *Scaphoideus littoralis* Ball. et l'étude de sa survie sur un grand nombre d'espèces végétales. (Transmission of flavescence dorée of grapevine to herbaceous by increasing the feeding period of the leafhopper vector *Scaphoideus littoralis* Ball. and studying its survival on several plant species). *Ann.Phytopathol.* **2**, 415-428.

Keywords: grapevine/flavescence dorée/feeding/herbaceous hosts/transmission/France

Notes: In French

Caudwell, A. and Schvester, D.(1970). *Virus diseases of small fruits and grapevines (a Handbook)*. (Frazier, N.W., Ed.) 1 edition. Univ. Calif. Div. Agr. Sci., Berkeley, USA. 201-207.

Keywords: grapevine/flavescence dorée/economic importance/host

range/symptoms/etiology/transmission/spread/control/identification/detection/France/handbook

Caudwell, A., Giannotti, J., Kuszala, C., and Larrue, J.(1971). Etude du rôle de particules de type "mycoplasme" dans l'étiologie de la Flavescence dorée de la vigne. Examen cytologique des plantes malades et des cicadelles infectieuses (Study of the role of mycoplasma-like particles in the etiology of flavescence dorée of grapevine. Cytological examination of diseased plants and of infectious leafhoppers). *Ann.Phytopathol.* **3**, 107-123.

Keywords: 1577/grapevine/flavescence dorée/mycoplasma-like organisms/etiology/ultrastructure/leafhopper/France

Notes: Des particules de type mycoplasme sont observées dans le liber des fèves inoculées par la Flavescence dorée et dans les cellules des vecteurs infectés. On ne les retrouve pas chez les fèves et les vecteurs sains témoins. Chez la vigne, les cellules libériennes apparaissent saines ou trop nécrosées. Les mycoplasmes n'ont pu être décelés que dans le cas de vignes inoculées artificiellement et qui ne montraient pas encore de symptômes.

Caudwell, A., Larrue, J., Kuszala, C., and Bachelier, J.(1971). Pluralité des jaunisses de la vigne (Plurality of grapevine yellows). *Ann.Phytopathol.* **3**, 95-105.

Keywords: 1588/grapevine/flavescence dorée/bois

noir/etiology/comparison/symptoms/vectors/epidemiology/France

Notes: Le "bois noir" semble devoir être considéré comme différent de la Flavescence dorée {FD}, car le vecteur naturel de la FD, *Scaphoideus littoralis*, ne transmet pas le Bois noir. D'autre part, une jaunisse appelée "Ö"(Phi), voisine de l'aster yellows a pu être transmise à la vigne à l'aide de *S. littoralis*. Les symptômes obtenus sur la vigne sont voisins de ceux de la FD. La vigne réagit donc au moins à trois jaunisses, dont deux l'infectent naturellement. On peut conclure à la pluralité des jaunisses de la vigne.

Caudwell, A., Brun, P., Fleury, A., and Larrue, J.(1972). Les traitements ovicides contre la cicadelle vectrice, *Scaphoideus littoralis* (BALL.), leur intérêt dans la lutte contre la Flavescence dorée en Corse et dans les autres régions (Ovicidal sprays against *Scaphoideus littoralis*, vector of flavescence dorée and the interest of these sprays in controlling the disease in Corsica and other regions). *Vignes et Vins* **214**, 5-10.

Keywords: 1576/grapevine/flavescence dorée/vector/leafhopper/*Scaphoideus littoralis*/insecticide sprays/control/France

Notes: Destruction des vecteurs par un traitement ovicide à l'oléoparathion appliqué au moment du premier gonflement des bourgeons. Bonne efficacité.

Caudwell, A., Hewitt, W.B., and Bovey, R.(1972). Les viroses de la vigne. Bibliographie de 1965-1970 (Virus diseases of grapevine. Bibliography 1965-1970). *Vitis* **11**, 303-324.

Keywords: 1578/grapevine/virus diseases/virus-like diseases/bibliography/France/USA/Switzerland

Notes: 367 references listed, with an introduction of 9 pages in French and lists of references

concerning each virus disease or specific topics, such as heat therapy, insect vectors, nematode vectors, etc. These references are included in the second REFMAN data base of this floppy disk. The references anterior to 1965 were listed in a bibliography prepared by A. Caudwell and published by OIV in 1965. Unfortunately, this publication is now out of print. A selection of the most important references is recorded in the first REFMAN data base of this floppy disk.

Caudwell, A., Larrue, J., Kuszala, C., and Bachelier, J.(1972). Responsabilité d'un vecteur aérien dans l'épidémiologie du Bois noir de la vigne. Etude de l'existence de ceps sensibles et de ceps tolérants expliquant la permanence de la maladie sur les mêmes ceps (Involvement of an aerial vector in the epidemiology of bois noir (blackwood) of grapevine. Existence of sensitive and tolerant vines, which explains why the disease can persist on the same vines). *Ann.Phytopathol.* **No. hors série**, 171-180.

Keywords: 1585/grapevine/bois noir/yellows/vector/epidemiology/France

Notes: L'usage de l'épreuve d'infectivité a permis de vérifier que les améliorations du milieu de survie permettent de passer de 2 à 100.000 unités infectieuses/ml. Il est certain que le Bois noir a été épidémique en 1946. Le comportement des jeunes plantations suggère qu'il y a, encore actuellement un vecteur aérien en Bourgogne. La permanence de la maladie, toujours sur les mêmes plants, suggère qu'il y aurait dans un même vignoble des ceps sensibles et des ceps tolérants. Les premiers seuls réagiraient aux réinoculations.

Caudwell, A., Larrue, J., Kuszala, C., and Bachelier, J.(1972). Transmission de la Flavescence dorée de la fève à la fève par des cicadelles des genres *Euscelis* et *Euscelidius*. Intervention possible de ces insectes dans l'épidémiologie du Bois noir en Bourgogne (Transmission of flavescence dorée from broadbean to broadbean by leafhoppers of the genus *Euscelis* and *Euscelidius*. Possible role of these insects in the epidemiology of bois noir in Burgundy). *Ann.Phytopathol.* **No. hors série**, 181-189.

Keywords: 1586/grapevine/flavescence dorée/bois

noir/vector/*Euscelis*/*Euscelidius*/leafhopper/herbaceous hosts/broadbean/epidemiology/France

Caudwell, A., Kuszala, C., and Larrue, J.(1973). Techniques utilisables pour l'étude de la Flavescence dorée de la Vigne (Techniques for the study of grapevine flavescence dorée). *Riv.Patol.Veg.,Ser.IV* **9(3)**, 269-276.

Keywords: 1579/grapevine/flavescence dorée/mycoplasma-like organisms/electron microscopy/leafhopper/transmission/herbaceous hosts/infectivity/methods/France

Notes: Revue de toutes les nouvelles techniques utilisables: la transmission aux plantes herbacées, l'injection des cicadelles de l'épreuve d'infectivité. Résultats négatifs des essais de culture de l'agent infectieux, et des observations en coloration négative.

Caudwell, A., Schvester, D., and Moutous, G.(1973). Variété des dégâts des cicadelles nuisibles à la vigne - Les méthodes de lutte (Leafhopper damage to grapevine - control measures). *Progr.Agric.Vitic.* **89**, 583-590 (See note).

Keywords: 1590/grapevine/leafhopper/damage/control/France

Notes: This paper is continued in vol. 90: 1-8 (1974).

Caudwell, A., Kuszala, C., and Larrue, J.(1974). Sur la culture in vitro des agents infectieux responsables des jaunisses des plantes (MLO). (In vitro culture of infectious agents of yellows diseases (MLO). *Ann.Phytopathol.* **6**, 173-190.

Keywords: 1580/grapevine/yellows/flavescence dorée/in vitro culture/mycoplasma-like organisms/France

Notes: Les milieux liquides préconisés pour les mises en culture des mycoplasmes des animaux ne permettent pas la culture des agents pathogènes des jaunisses des plantes (Flavescence dorée en particulier). Il en est de même des milieux préconisés pour les "Mycoplasmes des végétaux". Ces milieux ont donné des résultats négatifs quelles que soient les multiples précautions prises. Nous préconisons l'utilisation exclusive de l'épreuve d'infectivité pour tester la survie ou la culture des agents pathogènes des jaunisses.

- Caudwell, A., Kuszala, C., and Larrue, J.(1974). Etude de l'agent pathogène d'une jaunisse: la Flavescence dorée de la vigne (Study of the agent of a yellows disease: the flavescence dorée). *Congrès international sur les mycoplasmes de l'Homme, des animaux, des végétaux et des insectes, Bordeaux, 1974 Abstracts* p.11
Keywords: 1581/grapevine/mycoplasma-like organisms/flavescence dorée/France
- Caudwell, A., Kuszala, C., and Larrue, J.(1974). Conservation in vitro de l'agent pathogène de la Flavescence dorée de la vigne qui est de type mycoplasme (MLO).(In vitro conservation of the agent of flavescence dorée of grapevine (MLO). *Société de Biologie, Poitiers. Séance du 26 oct. 1974*
Keywords: 1582/grapevine/flavescence dorée/mycoplasma-like organisms/in vitro culture/France
Notes: L'agent infectieux de la Flavescence dorée, déterminé par son pouvoir pathogène (Epreuve d'infectivité) est très fragile in vitro. Nous rapportons ici les améliorations qui ont pu être apportées au milieu pour permettre sa survie pendant 44 h. Nous vérifions s'il y a survie au début de culture.
- Caudwell, A., Kuszala, C., and Larrue, J.(1974). Approches de la survie et de la culture de l'agent (MLO) d'une jaunisse végétale, la Flavescence dorée de la vigne, par les épreuves d'infectivité (Studies on survival and culture of the agent (MLO) of a plant yellows, the flavescence dorée of grapevine, using the infectivity test). *C.R.Hebd.Séances Acad.Sci.(Paris), Sér.D* **279**, 523-525.
Keywords: 1583/flavescence dorée/mycoplasma-like organisms/in vitro culture/infectivity/France
Notes: Après une discussion sur la culture des mycoplasmes associés aux jaunisses végétales, nous présentons une épreuve d'infectivité qui est utilisée pour améliorer peu à peu les milieux de survie de l'agent infectieux de la Flavescence dorée. Les recherches ont abouti à la mise au point d'un milieu 747 qui permet d'atteindre une survie de 30 h.
- Caudwell, A., Moutous, G., Brun, P., Larrue, J., Fos, A., Blancon, G., and Schick, J.(1974). Les épidémies de Flavescence dorée en Armagnac et en Corse et les nouvelles perspectives de lutte contre le vecteur par des traitements ovicides d'hiver (Epidemics of flavescence dorée in Armagnac and Corsica and new prospects of control of the vector with winter sprays against eggs). *Bull.Techn.Inform.* **294**, 783-794.
Keywords: 1589/grapevine/flavescence dorée/epidemiology/control/insecticide sprays/France
Notes: Etat actuel des épidémies de Flavescence dorée en Gascogne et en Corse. Différences variétales de sensibilité. Raisons qui nous ont orienté en Armagnac vers l'utilisation de traitements larvicides contre le vecteur. Raisons qui conduisent à préconiser pour la Corse, les traitements ovicides d'hiver. Intérêt possible de ces traitements ovicides en Armagnac et dans d'autres régions.
- Caudwell, A., Kuszala, C., and Larrue, J.(1976). Progress in the culture of the etiologic agent, type mycoplasma, of the Flavescence dorée of grapes. *Proc.Soc.Gen.Microbiol.* **III, 4**, 154.-154.
Keywords: 1584/grapevine/flavescence dorée/mycoplasma-like organisms/in vitro culture/France
- Caudwell, A.(1977). Aspects statistiques des épreuves d'infectivité chez les Jaunisses (yellows) des plantes et chez les viroses transmises selon le mode persistant. Intérêt de la Fève (*Vicia faba*) comme plante test pour les Jaunisses (Statistical aspects of infectivity tests with plant yellows and virus diseases transmitted according to the persistent mode. Interest of broadbean (*Vicia faba*) as a test plant for yellows). *Ann.Phytopathol.* **9**, 141-159.
Keywords: 1575/grapevine/transmission/leafhopper/vector/infectivity/yellows/methods/France
Notes: On évalue les proportions de Cicadelles devenues infectieuses en fonction des proportions observées de plantes devenues malades, lorsqu'il y a plusieurs cicadelles par plante. On évalue le nombre de particules infectieuses par millilitre en fonction des proportions de Cicadelles devenues malades.
- Caudwell, A., Larrue, J., Kuszala, C., and Fleury, A.(1978). Recherche d'un milieu liquide d'extraction, de survie et éventuellement de culture pour l'agent infectieux (mycoplasme) de la Flavescence dorée (Search for a liquid medium for extraction, survival and possibly culture of the infectious agent

- (mycoplasma) of flavescence dorée). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 231-235.
Keywords: 1587/grapevine/flavescence dorée/in vitro culture/mycoplasma-like organisms/methods/France
Notes: Research on a liquid medium for extraction, survival and possibly for the culture of the infectious agent of "Flavescence dorée".
- Caudwell, A., Larrue, J., Moutous, G., Fos, A., and Brun, P.(1978). La transmission par des cicadelles de la jaunisse du vignoble corse. Identification de cette maladie avec la Flavescence dorée. 1. Les essais réalisés hors de la Corse (Leafhopper transmission of yellows diseases in Corsican vineyards. Identification of this disease as flavescence dorée. 1. Experiments made outside Corsica). *Ann.Zool.Ecol.Anim.* **10**, 613-625.
Keywords: 2168/grapevine/flavescence dorée/transmission/leafhopper/Scaphoideus littoralis/Corsica/France
- Caudwell, A. and Larrue, J.(1979). Examen du problème de la flavescence dorée dans le cadre de la sélection sanitaire des bois et plants de vigne (The problem of flavescence dorée in relation with sanitary selection of grapevine). *Progr.Agric.Vitic.* **96**, 128-134.
Keywords: 2308/grapevine/flavescence dorée/sanitary selection/France
- Caudwell, A.(1980). L'amarillamiento de Elqui, nouvelle jaunisse de la vigne au Chili. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 9-13.
Keywords: 2302/grapevine/yellows/Chile
- Caudwell, A.(1980). Current approaches to the etiology of grapevine diseases associated with mycoplasma- or rickettsia-like organisms (MLO or RLO). *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 159-169.
Keywords: 2303/grapevine/mycoplasma-like organisms/rickettsia-like organisms/Pierce's disease/flavescence dorée/bois noir/little leaf/vein necrosis/fleck/etiology/review/France
- Caudwell, A.(1981). La flavescence dorée de la vigne en France. *Phytoma* **(325)**, 16-19.
Keywords: 2304/grapevine/flavescence dorée/France
- Caudwell, A., Meignoz, R., Kuszala, C., Schneider, C., Larrue, J., Fleury, A., and Boudon, E.(1981). Observation de l'agent pathogène (MLO) de la flavescence dorée de la vigne en milieu liquide en immunosorbant électromicroscopie (ISEM) (Observation of the agent (MLO) of flavescence dorée in liquid medium by means of immunosorbent electron microscopy). *Progr.Agric.Vitic.* **98**, 835-838.
Keywords: 2312/grapevine/flavescence dorée/immunosorbent electron microscopy/leafhopper/broadbean/France
- Caudwell, A., Meignoz, R., Kuszala, C., Larrue, J., Fleury, A., and Boudon, E.(1982). Purification sérologique et observation ultramicroscopique de l'agent pathogène (MLO) de la flavescence dorée de la vigne dans les extraits liquides de fèves (*Vicia faba* L.) malades (Serological purification and electron microscopic examination of the agent (MLO) of grapevine flavescence dorée in liquid extracts of infected broadbeans (*Vicia faba* L.)). *C.R.Séances Soc.Biol.* **176**, 723-727.
Keywords: 2311/grapevine/flavescence dorée/mycoplasma-like organisms/purification/serology/detection/leafhopper/broadbean/France
- Caudwell, A., Meignoz, R., Kuszala, C., Schneider, C., Larrue, J., Fleury, A., and Boudon, E.(1982). Visualisation de l'agent pathogène (MLO) d'une jaunisse végétale par immunosorbant-électromicroscopie (Observation of the agent (MLO) of a plant yellows by means of immunosorbent electron microscopy). *Agronomie* **2**, 785-Abstract
Keywords: 2313/grapevine/flavescence dorée/immunosorbent electron microscopy/leafhopper/broadbean/France

- Caudwell, A., Meignoz, R., Kuszala, C., Schneider, C., Larrue, J., Fleury, A., and Boudon, E.(1982). Purification immunologique et observation ultramicroscopique en milieu liquide de l'agent pathogène (MLO) d'une jaunisse végétale, la flavescence dorée de la vigne (Immunological purification and electron microscope observation of the agent (MLO) of a plant yellows, flavescence dorée). *C.R.Séances Acad.Agric.France* **68**, 407-415.
Keywords: 2314/grapevine/flavescence dorée/serology/purification/mycoplasma-like organisms/electron microscopy/broadbean/leafhopper/France
- Caudwell, A.(1983). L'origine des jaunisses à mycoplasmes (MLO) des plantes et l'exemple des jaunisses de la vigne (On the origin of MLO yellows of plants, with special reference to grapevine yellows). *Agronomie* **3**, 103-111.
Keywords: 2305/grapevine/yellows/flavescence dorée/France
- Caudwell, A., Larrue, J., Badour, C., Palgé, C., Bernard, R., and Leguay, M.(1983). Développement épidémique d'un "enroulement à nervures jaunes", transmissible par la greffe, dans les vignobles de Champagne (Epidemic development of a graft-transmissible "vein yellowing leafroll" in vineyards of Champagne). *Agronomie* **3**, 1027-1036.
Keywords: 2309/grapevine/vein yellowing leafroll/occurrence/France
- Caudwell, A., Meignoz, R., Kuszala, C., Schneider, C., Larrue, J., Fleury, A., and Boudon, E.(1983). Serological purification and visualization in the electron microscope of the grapevine Flavescence dorée pathogen in infectious vectors' extracts and in diseased plants' extracts. *Yale J.Biol.Med.* **56**, 936-937.
Keywords: 2315/grapevine/flavescence dorée/mycoplasma-like organisms/purification/broadbean/leafhopper/immunosorbent electron microscopy/France
Notes: Fourth International Congress of the International Organization for Mycoplasmaology (IOM), Tokyo, September 1982.
- Caudwell, A. and Kuszala, C.(1984). Bioassay techniques to assess plant pathogenicity of mycoplasma-like organisms (MLO). *Ann.Microbiol.* **135 A**, 255-261.
Keywords: 2307/grapevine/mycoplasma-like organisms/leafhopper/methods/review/France
- Caudwell, A. and Dalmasso, A.(1985). Epidemiology and vectors of grapevine viruses and yellow diseases. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 170-176.
Keywords: 2306/grapevine/virus diseases/yellows/virus-like diseases/vector/epidemiology/review/France
- Caudwell, A., Larrue, J., Fleury, A., Badour, C., and Palgé, C.(1985). Attempts to transmit "vein yellowing leafroll" of grapevine to periwinkle and broadbean. Determination of the infection period in the Champagne region. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 192-196.
Keywords: 2310/grapevine/vein yellowing leafroll/transmission/herbaceous hosts/vector/France
- Cecuk, S.(1955). Court-noué ou dégénérescence infectieuse de la vigne en Yougoslavie.(Court-noué or infectious degeneration of grapevine in Yugoslavia). *Progr.Agric.Vitic.* **76(40-41)**, 196-202(*).
Keywords: grapevine/court-noué/fanleaf/dégénérescence infectieuse/infectious degeneration/Yugoslavia
Notes: (*) Continued 76(42-43):227-231. In French.
- Cecuk, S.(1963). Infectious degeneration of grapevine. (In Serbo-Cr.). *Poljopriv.Pregled.* **11**, 374-383.
Keywords: 1395/grapevine/fanleaf/Yugoslavia
- Cesati, R. and Van Regenmortel, M.H.V.(1969). Serological detection of a strain of tobacco necrosis virus in grapevine leaves. *Phytopathol.Z.* **64**, 362-368.
Keywords: grapevine/tobacco necrosis/serology/detection/South Africa

Chamberlain, E., Over De Linden, A.J., and Berrysmith, F.(1971). Grapevine virus diseases: I. Symptoms, II. Prevalence, III. Effect on yield. *N.Z.J.Agricult.* **122(3)**, 62-73.

Keywords: 1591/grapevine/virus diseases/virus-like diseases/symptoms/occurrence/economic importance/yield/New Zealand

Chamberlain, E.E.(1967). Leafroll virus in the grapevines. *Wine Review* **4(3)**, 29-30.

Keywords: grapevine/leafroll/symptoms/occurrence/New Zealand

Chamberlain, E.E., Over De Linden, A.J., and Berrysmith, F.(1970). Virus diseases of grapevines in New Zealand. *N.Z.J.Agric.Res.* **13**, 338-358.

Keywords: grapevine/virus diseases/leafroll/general/New Zealand

Chen, H.L., Tzeng, D.S., and Chen, M.J.(1981). Grapevine yellow dwarf, a new virus disease in Taiwan.(In Chinese, Eng. sum.). *Natl.Sci.Council Monthly* **9**, 584-591.

Keywords: 2316/grapevine/yellow dwarf/Taiwan

Chiarappa, L.(1965). A worldwide list of virus-indexed propagating material. Sect.I: Grapes. *Publ.FAO* 25 pp

Keywords: grapevine/virus-free material/list/FAO

Childress-Roberts, A.M., Ramsdell, D.C., and Lusch, D.(1983). Potential use of remote sensing in delimiting areas of virus infection in vineyards and blueberry fields in Michigan. *Phytopathology* **73**, 787-Abstract

Keywords: 2317/grapevine/disease/detection/Michigan/USA

Choleva-Abadzhieva, B.(1975). Study on the species composition and spread of nematodes of the family Longidoridae (Nematoda, Dorylaimoidae) on the vine in Bulgaria. *Acad.Sci.Bulgaria,Acta Zool.Bulg.* **3**, 19-30.

Keywords: 1592/grapevine/nematodes/Longidoridae/Bulgaria

Notes: A survey of viticultural regions for nematodes of family Longidoridae: 13 species identified, 7 Xiphinema, 6 Longidorus, X. mediterraneum wide-spread, as was L. siddiqii, X. index and X. italiae also wide-spread, records of damages given as well as distributions.

Cholin, J.J.(1896). Beobachtungen über die "Reisigkrankheit" der Reben an der Ahr. (Observations on the "Reisigkrankheit" in the Ahr region). *Mitt.Weinbau Kellerwirtsch.* **8**, 63-64.

Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/Germany

Ciccarone, A.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 265-269.

Keywords: grapevine/multiplication/virus-free material/virus/vector/selection/Italy/meeting/ICVG

Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.

Ciccarone, A.(1971). Orientation souhaitée par les experts dans le domaine de la recherche, de l'information et de la réglementation (Guidelines on research, information and regulations elaborated by OIV experts). *Bull.OIV* **44(482)**, 326-338.

Keywords: 1593/grapevine/virus diseases/virus-like diseases/research results/certification/control/Italy

Notes: Importance of virus diseases of grapevine, identification of the viruses, transmission, control, need for a better information.

Ciccarone, A., Donno, G., Martelli, G.P., and Godini, A.(1974). Risanamento e selezione clonale del patrimonio viticolo pugliese (Improvement and clonal selection of grapevine planting material in Puglia). *Ital.Agricola* **111(4)**, 50-61.

Keywords: 1594/grapevine/sanitary selection/clonal selection/Italy

- Ciferri, R.(1962). Progrès effectués dans le monde dans la connaissance des viroses de la vigne. (Progress in knowledge on grapevine virus diseases in the world). *Bull.O.I.V.* **35**, 1607-1638.
Keywords: grapevine/virus diseases/virus-like diseases/review/meeting/OIV/Italy
Notes: This paper was presented at the 3rd International conference for the study of grapevine virus diseases, organised by OIV at Lisbon, Portugal.
- Ciferri, R.(1963). Acquisizione e prospettive negli studi sulle virosi della vite alla luce della III Conferenza internazionale de Lisbona (Acquisitions and prospects in the study of virus diseases of grapevine in the light of the third international conference of Lisbon). *Riv.Patol.Veg.Ser.III* **2**, 297-333.
Keywords: 1396/grapevine/virus diseases/virus-like diseases/meeting/Portugal/Italy
Notes: This is a report on the 3rd conference on virus diseases of grapevine, held in Lisbon in may 1962, and which was at the origin of ICVG. The same paper appears in the "Atti Accad. Ital. Vite e Vino, Siena, 14, 109-214.
- Cohn, E.(1970). Virus-transmitting nematodes in Israel. B. Genus Xiphinema. *Hassadeh* **51**, 197-201.
Keywords: 1595/grapevine/nematodes/Xiphinema/Israel
- Cohn, E., Tanne, E., and Nitzany, F.E.(1970). Xiphinema italiae -- a new vector of grape fan leaf virus. *Phytopathology* **60**, 181-182.
Keywords: grapevine/fanleaf virus/Xiphinema italiae/vector/Israel
- Coiro, M.I. and Lamberti, F.(1978). Reproduction of Xiphinema index under different environmental conditions. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 255-257.
Keywords: 1596/grapevine/Xiphinema index/biology/Spain
Notes: Reproduction rate higher in sand and sandy loam soils and in glasshouse at 24-26 °C than at screenhouse temperatures.
- Coiro, M.I.(1980). Influenza di alcuni fattori ambientali sulla riproduzione di Xiphinema index THORNE et ALLEN (Influence of some environmental factors on the reproduction of Xiphinema index). *Atti.Giorn.Nematol.Ascoli Piceno* 23-24.
Keywords: 2318/grapevine/Xiphinema index/reproduction/biology/Italy
- Coiro, M.I., Lamberti, F., and Agostinelli, A.(1980). Effect of temperature on the reproduction of Xiphinema index. *Abstr.15th Intern.Symp.Europ.Soc.Nematol.Bari,Italy* 35-Abstract
Keywords: 2323/grapevine/Xiphinema index/reproduction/Italy
- Coiro, M.I., Lamberti, F., and Agostinelli, A.(1980). Cultivated plants and weeds as hosts for Xiphinema inde. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 153-155.
Keywords: 2324/grapevine/Xiphinema index/host plants/reproduction/Italy
- Coiro, M.I. and Brown, D.J.F.(1982). Status of some plants as hosts for individual Xiphinema index from populations from France, Israel, Italy and USA. *Nematologica* **28**, 140-Abstract
Keywords: 2320/grapevine/Xiphinema index/host plants/France/Israel/Italy/USA
Notes: Abstract from the International Symposium of the European Society of Nematologists, St-Andrews, Scotland.
- Coiro, M.I.(1984). Biologia e riproduzione di Longidoridae vettori di virus (Biology and reproduction of virus vectors of the Longidoridae family). *Informatore Fitopatol.* **34(7/8)**, 27-32.
Keywords: 2319/grapevine/Longidoridae/vector/nepovirus/nematode/biology/reproduction/Italy
- Coiro, M.I. and Brown, D.J.F.(1984). The status of some plants as hosts for four populations of Xiphinema index (Nematoda: Dorylaimoida). *Rev.Nématol.* **7**, 283-286.
Keywords: 2321/grapevine/Xiphinema index/host plants/France/Israel/Italy/USA

- Coiro, M.I., Brown, D.J.F., and Lamberti, F.(1985). Reproductive capacity of single females of three populations of *Xiphinema index* THORNE et ALLEN. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 210-Abstract
Keywords: 2322/grapevine/Xiphinema index/biology/reproduction/host plants/Italy/Israel/USA
- Coiro, M.I., Lamberti, F., Borgo, M., and Egger, E.(1985). Reproduction of *Xiphinema index* on different grapevine rootstocks. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 177-179.
Keywords: 2325/grapevine/Xiphinema index/reproduction/rootstock/Italy
- Coiro, M.I., Lamberti, F., Egger, E., and Borgo, M.(1985). Longidorid nematodes from vineyards of the province of Treviso, northeastern Italy. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 180-182.
Keywords: 2326/grapevine/Longidoridae/nematodes/Italy
- Conti, M., Milne, R.G., Luisoni, E., and Boccardo, G.(1980). A closterovirus from a stem-pitting-diseased grapevine. *Phytopathology* **70**, 394-399.
Keywords: 2329/grapevine/stem pitting/closterovirus/transmission/Nicotiana/purification/Italy
- Conti, M., Mannini, F., and Lenzi, R.(1981). Indagini su virus e virosi della vite e selezione sanitaria in Liguria e Valle d'Aosta (Research on viruses and virus diseases of grapevine and sanitary selection in Liguria and Aosta Valley). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite,Venezia* 351-358.
Keywords: 2327/grapevine/virus diseases/virus-like diseases/sanitary selection/fanleaf virus/tobacco mosaic virus/tomato bushy stunt virus/closterovirus/stem pitting/leafroll/Italy
- Conti, M. and Milne, R.G.(1985). Closterovirus associated with leafroll and stem pitting in grapevine. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 110-113.
Keywords: 2328/grapevine/leafroll/closterovirus/grapevine virus A/grapevine virus B/immunosorbent electron microscopy/serology/Italy
- Converse, R.H.(1979). Recommended virus-indexing procedures for new USDA small fruit and grape cultivars. *Plant Dis.Reptr.* **63**, 848-851.
Keywords: 2330/grapevine/indexing/USA
- Cook, J.A. and Goheen, A.C.(1961). The effect of a virus disease, leafroll, on the mineral composition of grape tissue and a comparison of leafroll and potassium deficiency symptoms. In: W. Reuter, ed., *Plant Analysis and Fertilizer Problems. Am.Inst.Biol.Sci.* **(8)**, 338-354.
Keywords: grapevine/leafroll/physiology/mineral composition/potassium/deficiency/symptoms/USA
- Corbett, M.K., Kasdorf, G.G.F., Engelbrecht, D.J., and Wiid, J.(1984). Detection of viral-like particles by electron microscopy of negatively stained extracts from grapevines. *S.Afr.J.Enol.Viticult.* **5**, 43-49.
Keywords: 2331/grapevine/virus-like particles/electron microscopy/South Africa/USA
- Corbett, M.K. and Podelckis, E.V.(1985). Membrane-associated spherical particles in extracts and tissues of virus-infected grapevines. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 157-164.
Keywords: 1410/grapevine/electron microscopy/ultrastructure/herbaceous hosts/isometric particles/nepoviruses/fanleaf virus/tomato ringspot virus/USA
Notes: Electron microscope study of several nepovirus-infected grapevine and herbaceous hosts.
- Corbett, M.K. and Wiid, J.(1985). Closterovirus-like particles in extracts from diseased grapevines. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 91-100.
Keywords: 2333/grapevine/leafroll/stem pitting/corky bark/closterovirus-like particles/electron microscopy/South Africa/USA

- Corino, L., Morando, A., and Novello, V.(1981). Malformazioni su vite (Malformations on grapevine). *Informatore Agrario* **37**, 17703-17715.
Keywords: 2334/grapevine/abnormalities/morphology/Italy
- Corte, A., Ciferri, R., and Scaramuzzi, G.(1959). Trasmissione della "degenerazione infettiva" della vite sul *Ligustrum lucidum* Ait. ed altre specie arboree. (Transmission of infectious degeneration/fanleaf to *L. lucidum* and other woody species). *Riv.vitic.enol.Conegliano* **12**, 239-248.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/graft transmission/*Ligustrum lucidum*/woody hosts/Italy
- Corte, A. and Ciferri, R.(1961). Trasmissione delle virosi della vite a specie erbacee. (Transmission of grapevine viruses to herbaceous hosts). *Riv.Pat. Veg.* **1 (S.III)**, 312-323.
Keywords: grapevine/fanleaf/nepovirus/transmission/herbaceous hosts/Italy
- Corte, A. and Pieri, C.(1968). Experimentelle Übertragung eines Stammes des Apfel-Mosaik-Virus auf Pflanzen der Gattung *Vitis*. (Experimental transmission of a strain of apple mosaic virus to plants of the genus *Vitis*). *Weinberg u.Keller* **15**, 514-516.
Keywords: grapevine/apple mosaic virus/transmission/*Vitis*/Italy
Notes: In German
- Cory, L. and Hewitt, W.B.(1968). Some grapevine viruses in pollen and seeds. *Phytopathology* **58**, 1316-1320.
Keywords: viruses/pollen/seed/grapevine/USA
- Cosmo, I.(1973). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport général (Present state of the work on sanitary and clonal selection. Distribution of selected material. General report). *Bull.OIV* **46(513)**, 973-998.
Keywords: 1597/grapevine/clonal selection/sanitary selection/methods/certification/Italy
- Cosolo Giussani, A.(1961). Osservazioni di campo sulla distribuzione e la sintomatologia della degenerazione infettiva della vite in Friuli.(Field observations on distribution and symptomatology of grapevine infectious degeneration in Frioul). *Not.Mal.Piante* **55(N.S.34)**, 95-98.
Keywords: grapevine/fanleaf/degenerazione infettiva/infectious degeneration/field observations/Italy
- Cotten, J.(1973). Feeding behaviour and reproduction of *Xiphinema index* on some herbaceous plants. *Nematologica* **19**, 516-520.
Keywords: 1598/grapevine/*Xiphinema index*/biology/herbaceous hosts
Notes: In pot tests, *Xiphinema index* reproduced on *Vitis vinifera*, *Solanum tuberosum*, *S. nigrum*, *S. dulcamara* and *Lycopersicum esculentum*. It fed without reproducing on *Lolium perenne* and *Brassica oleracea*.
- Côrte, G.(1980). Rhizogenesis induction by vitamin D2 on stem cuttings of *Vitis vinifera*. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 343-348.
Keywords: 2335/grapevine/in vitro culture/rhizogenesis/Portugal
- Credi, R., Babini, A.R., Betti, L., Bertaccini, A., and Gelli, C.(1981). A distinctive isolate of strawberry latent ringspot virus from grapevines in Italy. *Phytopathol.Mediterr.* **20**, 56-63.
Keywords: 2338/grapevine/strawberry latent ringspot virus/strain/Italy
- Credi, R. and Babini, A.R.(1984). Casi epidemici di Giallume della vite in Emilia-Romagna (Epidemic yellows of grapevine in Emilia-Romagna). *Vignevini* **11(3)**, 35-39.
Keywords: 2336/grapevine/yellows/spread/Italy

- Credi, R. and Babini, A.R.(1984). Affezioni virali e virus-simili della vite (Virus and virus-like diseases of grapevine). *Informatore Fitopatol.* **34(5)**, 47-51.
Keywords: 2337/grapevine/virus diseases/virus-like diseases/Italy
- Credi, R., Babini, A.R., and Canova, A.(1985). Occurrence of grapevine vein necrosis and grapevine vein mosaic in the Emilia-Romagna region (northern Italy). *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 17-23.
Keywords: 2339/grapevine/vein necrosis/vein mosaic/Italy
- Cuany, A., Pistre, R., and Leclair, P.(1977). Vers de nouvelles perspectives en matière de désinfection des sols en viticulture (Towards new prospects for disinfecting soils in viticulture). *Progr.Agric.Vitic.* **94**, 488-498.
Keywords: 1599/grapevine/nematodes/soil disinfection/nematicides/France
Notes: Essais de lutte avec divers nématocides: DD, bromure de méthyle, aldicarbe, dibromure de propylène, phenamiphos.
- Cuany, A., Lavergne, J.C., and Pistre, R.(1980). Action nématocide de l'aldicarbe et du sulfocarbe contre le nématode *Xiphinema index* en vignoble (Nematicidal action of aldicarb and sulfocarb against the nematode *X. index* in vineyard). *Progr.Agric.Vitic.* **97**, 126-129.
Keywords: 2340/grapevine/*Xiphinema index*/soil disinfection/aldicarb/sulfocarb/nematicide/France
- Cugusi, M., Dore, M., Garau, R., and Prota, U.(1984). Osservazioni preliminari su alterazioni cromatiche fogliari del tipo scolorazione perinervale del vitigno Cannonau in Sardegna (Preliminary observations on leaf colour changes of the type veinbanding on grape cv. Cannonau in Sardinia). *Atti.Giorn.Fitopatol.Sorrento* **3**, 293-301.
Keywords: 2341/grapevine/veinbanding/yellow speckle/symptoms/Sardinia/Italy
- D'Errico, F.P. and Ragozzino, A.(1980). I nematodi della vite: danni diretti ed indiretti. Possibilità di controllo (Grapevine nematodes: direct and indirect damage. Possibilities of control). *Atti 2° Incontro Difesa della Vite, Velletri* 83-97.
Keywords: 2349/grapevine/nematodes/control/Italy
- D'Errico, F.P. and Ragozzino, A.(1980). *Xiphinema diversicaudatum* e *Longidorus macrosoma* presenti nella rizosfera di viti con manifestazioni di "Legno riccio"(*Xiphinema diversicaudatum* and *Longidorus macrosoma* present in the rhizosphere of vines with symptoms of "legno riccio"). *Atti Giorn.Nematol.Ascoli Piceno* 61-63.
Keywords: 2350/grapevine/legno riccio/stem pitting/rugose wood/nematodes/*Xiphinema*/*Longidorus*/associated/Italy
- Dalmasso, A.(1967). Connaissances actuelles sur les nématodes phytophages et leurs relations avec les maladies à virus. (Present knowledge on phytophagous nematodes and their relations with virus diseases). *Ann.Epiphyt.* **18**, 249-272.
Keywords: grapevine/virus diseases/nematode/transmission/vector/general/France/review
Notes: In French
- Dalmasso, A.(1969). Méthodes de lutte contre *Xiphinema index*, nématode vecteur du court-noué de la vigne. (Control of *Xiphinema index*, vector nematode of grapevine fanleaf). *Phytoma* **21(204)**, 20-23.
Keywords: grapevine/*Xiphinema index*/fanleaf/control/soil fumigation/review/France
Notes: In French
- Dalmasso, A. and Cuany, A.(1969). Importance de la transmission par le sol de la "dégénérescence infectieuse" de la vigne dans l'Algérois. (Importance of soil transmission of fanleaf of grapevine in Algérois). *Bull.Phytosanit.FAO* **17(3)**, 58-60.

Keywords: grapevine/fanleaf/soil transmission/Algeria

Notes: In French

Dalmasso, A.(1971). La désinfection nématocide du sol dans la prévention de la dégénérescence infectieuse de la vigne (Soil disinfection for preventing infectious degeneration). *Union Agriculture* **315**, 55-66.

Keywords: 1600/grapevine/nematode/soil disinfection/nematicides/France

Dalmasso, A., Boubals, D., Bongiovanni, M., and Pistre, R.(1972). Distribution des nématodes propagateurs du court-noué dans les vignobles méditerranéens français (Distribution of nematode vectors of fanleaf in vineyards of southern France). *Progr.Agric.Vitic.* **89**, 456-462.

Keywords: 1604/grapevine/fanleaf/nematodes/vectors/occurrence/France

Dalmasso, A., Cardin-Munck, M., and Legin, R.(1972). Résultats préliminaires d'essais de transmissions de sérotypes de la mosaïque de l'Arabis trouvés sur vigne, par l'intermédiaire de Xiphinema diversicaudatum (Preliminary experiments on transmission by X. diversicaudatum of serotypes of arabis mosaic virus found in grapevine). *Ann.Phytopathol.* **4**, 410-Abstract

Keywords: 1605/grapevine/arabis mosaic virus/Xiphinema diversicaudatum/transmission/vector/France

Dalmasso, A., Cuany, A., and Joubert, J.(1972). Utilisation de l'aldicarbe contre les nématodes vecteurs de maladies à virus (Use of aldicarb against nematodes that transmit viruses). *Compte Rendus des Journées Aldicarbe, Versailles, Décembre 1972* 221-230.

Keywords: 1606/grapevine/nematodes/vectors/soil disinfection/nematicides/aldicarb/France

Dalmasso, A.(1973). Les nématodes des vignobles. La lutte (Nematodes in vineyards. The control). *Progr.Agric.Vitic.* **90(11 bis)**, 270-277 (See note).

Keywords: 1601/grapevine/nematodes/control/fallow/soil disinfection/nematicides/France

Notes: This paper is continued in Nr 13, 317-327 (1973).

Dalmasso, A.(1974). Dans la région Provence-Corse. La lutte contre le court- noué (In the Provence region. Control of court-noué disease (fanleaf). *Revue Française d'Oenologie* **14(53)**, 17-20.

Keywords: 1602/grapevine/court-noué/fanleaf/control/France

Dalmasso, A.(1978). Le point sur la désinfection nématocide du sol en viticulture. Causes de réussites et d'échecs (Soil disinfection against nematodes in viticulture. Causes of success and failure). *Défense des Végétaux* **32(190)**, 63-71.

Keywords: 1603/grapevine/nematodes/soil disinfection/France

Dalmasso, A. and Vuittenez, A.(1978). Problèmes de replantation de la vigne et désinfection du sol dans les pays tempérés (Problems in replanting grapevine and soil disinfection in temperate countries). *Bull.OIV* **51(567)**, 337-351.

Keywords: 1607/grapevine/soil disinfection/replanting/France

Dalmasso, A. and Bongiovanni, M.(1980). Nématodes de la vigne (Grapevine nematodes). *Vititechnique* **(35)**, 15-18.

Keywords: 2343/grapevine/nematodes/Xiphinema index/Xiphinema diversicaudatum/fanleaf virus/arabis mosaic virus/transmission/France

Dalmasso, A.(1982). Nématodes et désinfection du sol (Nematodes and soil disinfection). *Vititechnique* **(60)**, 6-8.

Keywords: 2342/grapevine/nematode/vector/soil disinfection/review/France

Dalmasso, G. and Eynard, I.(1979). *Viticultura moderna.*, Ulrico Hoepli, Milano, Italy.

Keywords: 2344/grapevine/general/virus diseases/virus-like diseases/handbook/Italy

- Damborska, M. and Krivanek, V.(1982). Frost hardiness of virus-free grapevine clones (In Slovak, Eng., Germ.,Russ. sum.). *Sb.UVTIZ-Ochrana Rostlin* **18 (2)**, 89-94.
Keywords: 2345/grapevine/virus-free material/frost/resistance/Czechoslovakia
Notes: The resistance to frost of buds of virus-free clones was considerably higher than that of infected clones.
- Danailov, B. and Abracheva, P.(1981). Infectious and non-infectious chlorosis of grapevine and its control (In Bulgarian). *Lozarstvo i Vinarstvo* **30(4)**, 18-23.
Keywords: 2346/grapevine/chlorosis/iron deficiency/yellow mosaic/symptoms/control/Bulgaria
- Daris, B.(1974). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné (Present state of clonal and sanitary selection. Methods and results. Distribution of selected material. Greek report). *Bull. OIV* **47(521-522)**, 562-568.
Keywords: 1609/grapevine/clonal selection/sanitary selection/methods/certification/Greece
- Das, S.(1966). Virus-vector relationships of grapevine fanleaf virus and its nematode vector Xiphinema index Thorne and Allen. *Diss.Abst.,Sect.B* **27**, 1690-1691.
Keywords: grapevine/fanleaf virus/Xiphinema index/vector/transmission/USA
Notes: PhD Thesis, Univ. of California, Davis.
- Das, S. and Raski, D.J.(1968). Vector efficiency of Xiphinema index in the transmission of grapevine fanleaf virus. *Nematologica* **14**, 55-62.
Keywords: grapevine/Xiphinema index/transmission/fanleaf virus/vector/USA
- Das, S. and Raski, D.J.(1969). Effect of grapevine fanleaf on the reproduction and survival of its nematode vector, Xiphinema index Thorne and Allen. *J.Nematol.* **1**, 107-110.
Keywords: grapevine/fanleaf virus/Xiphinema index/reproduction/survival/California/USA
- Daussant, G. and Valat, C.(1978). L'action de l'Association Nationale Technique pour l'Amélioration de la Viticulture (A.N.T.A.V.) dans le domaine de la sélection clonale des matériels de multiplication végétative de la vigne (The work of A.N.T.A.V. for clonal selection and multiplication of grapevine planting material). *C.R.Séances Acad.Agricolt.France* **64**, 100-108.
Keywords: 2169/grapevine/clonal selection/France
- Davis, M.J., Purcell, A.H., and Thomson, S.(1978). Pierce's disease of grapevines: Isolation of the causal bacterium. *Science* **199**, 75-77.
Keywords: 1610/grapevine/Pierce's disease/etiology/bacterium/California/USA
Notes: A gram-negative rod-shaped bacterium consistently isolated from diseased vines has proved to be the pathogen.
- Davis, M.J., Thompson, S., and Purcell, A.H.(1978). Pathological and serological relationship of the bacterium causing Pierce's disease of grapevines and almond leaf scorch disease. *3rd Internat.Congr.Plant Pathol.,Munich (Germany)* 64-Abstract
Keywords: 1611/Pierce's disease/almond leaf scorch/etiology/bacterium/serology/relationships/California/USA
- Davis, M.J., Purcell, A.H., and Thomson, S.V.(1980). Isolation media for the Pierce's disease bacterium. *Phytopathology* **70**, 425-429.
Keywords: 2347/grapevine/Pierce's disease/Xylella fastidiosa/bacterium/methods/USA
- Davis, M.J., Thomson, S.V., and Purcell, A.H.(1980). Etiological role of the xylem-limited bacterium causing Pierce's disease and almond leaf scorch. *Phytopathology* **70**, 472-475.
Keywords: 2348/grapevine/peach/Pierce's disease/almond leaf scorch/etiology/Xylella fastidiosa/bacterium/USA
Notes: The bacterium agent Pierce's disease also causes almond leaf scorch.

- De Long, D.M. and Severin, H.H.P.(1949). Characters, distribution, and food plants of leafhopper vectors of virus causing Pierce's disease of grapevines. *Hilgardia* **19**, 171-186.
Keywords: grapevine/Pierce's disease/leafhopper/vector/host plants/USA
- De Long, D.M. and Severin, H.H.P.(1950). Spittle-insect vectors of Pierce's disease virus. I. Characters, distribution, and food plants. *Hilgardia* (**19**), 339-356.
Keywords: grapevine/Pierce's disease/vector/feeding/frog hopper/host plants/USA
- Deidda, P., Prota, U., Dettori, S., and Garau, R.(1977). *Utilizzazione dei risultati della selezione clonale ella vite da vino*. (Martelli, G.P., Ed.) Atti Seminario C.N.R., Bari, Italy. 125-130.
Keywords: 1612/grapevine/clonal selection/sanitary selection/Sardinia/Italy
Notes: Work in progress on clonal and sanitary selection of grapevine in Sardinia.
- Deth, P.(1973). The New York State grape certification program. *N.Y.Food and Life Sci.Quart.* **6**, 5
Keywords: 1613/grapevine/selection/certification/New York/USA
Notes: A short note on methods used in indexing for viruses.
- Démétriadès, S.D.(1962). Rapport sommaire sur les principales maladies de plantes cultivées observées en Grèce. (Summary report on the most important virus diseases of cultivated plants observed in Greece). *Ann.Inst.Phytopathol.Benaki* **NS 1**, 91-97 (See note).
Keywords: 1397/grapevine/fanleaf/Greece
Notes: Observation of infectious degeneration in various parts of Greece. This first paper is continued in vol.1,323-329; 2,2-11; 3,33-41; 4,75-88.
- Dias, H.F.(1962). Maladies à virus de la vigne au Portugal (Virus diseases of grapevine in Portugal). *Bull.O.I.V.* **35(382)**, 1639-1654.
Keywords: grapevine/virus diseases/yellow mosaic/fanleaf/urticado/Portugal
- Dias, H.F. and Harrison, B.D.(1963). The relationship between grapevine fanleaf, grapevine yellow mosaic and arabis mosaic viruses. *Ann.Appl.Biol.* **51**, 97-105.
Keywords: grapevine/fanleaf virus/yellow mosaic/fanleaf/arabis mosaic virus/England
Notes: Close serological relationship between fanleaf virus and yellow mosaic virus, both more distantly related to arabis mosaic virus.
- Dias, H.F.(1963). Host range and properties of grapevine fanleaf and grapevine yellow mosaic viruses. *Ann.Appl.Biol.* **51**, 85-97.
Keywords: grapevine/fanleaf/yellow mosaic/mechanical transmission/herbaceous hosts/host range/fanleaf virus/England
Notes: This is a summary of Dr Dias' thesis.
- Dias, H.F.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 235-247.
Keywords: grapevine/viruses/mechanical inoculation/herbaceous hosts/methods/Canada/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965. # Nr: in the Bibliography Vitis 11,303-324,1972, this number is for another reference (Converse R.H.) that has not been taken in the computer database. The ref. Dias 1966 was omitted in the Bibliography.
- Dias, H.F.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) Division of Agricultural Sciences, University of California, Berkeley, California, USA. 228-230.
Keywords: 1614/grapevine/yellow mosaic/fanleaf virus/symptoms/transmission/herbaceous hosts/vector/nematodes/Xiphinema index/spread/control/economic importance/Ontario/Canada

- Dias, H.F.(1972). Purification and some characteristics of peach rosette mosaic virus (grape isolate). *Ann.Phytopathol.* **No. hors série**, 97-103.
Keywords: 1615/grapevine/peach rosette mosaic virus/purification/properties/Ontario/Canada
- Dias, H.F.(1972). Strains of peach rosette mosaic virus differentiated by cross absorption and immunodiffusion tests. *Ann.Phytopathol.* **No. hors série**, 105-106.
Keywords: 1616/grapevine/peach rosette mosaic virus/strains/serology/immunodiffusion/Ontario/USA
- Dias, H.F.(1973). A sap-transmissible virus associated with a severe disease of the hybrid Vitis [sp. cv.](#) Joannes-Seyve (26-205). *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 64-66.
Keywords: 1617/grapevine/Joaannes-Seyve virus/Joaannes-Seyve disease/properties/Ontario/Canada
Notes: The paper describes the isolation of a new virus responsible for a severe disease of Joannes-Seyve 26-205 cultivar, and describes the physical, chemical and morphological characteristics of the virus.
- Dias, H.F.(1975). Peach rosette mosaic virus. *CMI/ABB Descriptions of Plant Viruses* **No. 150**, 1-4.
Keywords: 1618/peach rosette mosaic virus/properties/description/Ontario/Canada
- Dias, H.F.(1976). Tomato ringspot virus endangers DeChaunac vineyards in the Niagara Peninsula. *The Growers* **(Feb.)**, 13-14.
Keywords: 1619/grapevine/tobacco ringspot virus/symptoms/economic importance/Ontario/Canada
- Dias, H.F. and Cation, D.(1976). The characterization of a virus responsible for peach rosette mosaic and grape decline in Michigan. *Can.J.Botany* **54**, 1228-1239.
Keywords: 1624/grapevine/peach rosette mosaic virus/decline/properties/Michigan/USA/Ontario/Canada
Notes: The paper demonstrated that peach rosette mosaic and grape decline in Michigan, USA, are caused by the same virus and describes the physical, chemical, morphological and serological characteristics of the virus.
- Dias, H.F.(1977). Incidence and geographic distribution of tomato ringspot virus in DeChaunac vineyards in the Niagara Peninsula. *Plant Dis.Reptr.* **61**, 24-28.
Keywords: 1620/grapevine/tobacco ringspot virus/occurrence/symptoms/herbaceous hosts/Ontario/Canada
Notes: The paper describes the isolation of tomato ringspot virus from DeChaunac vines with short internodes, stem rosetting, yellowing and rolling of leaves and severe stunting and reports the incidence and geographic distribution of the virus in DeChaunac vineyards in the Niagara Peninsula. The virus was also isolated from weeds and recovered from soils from infected areas in the vineyard.
- Dias, H.F.(1978). Tomato ringspot virus in the DeChaunac vineyards in the Niagara Peninsula, Ontario, Canada. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 15-23.
Keywords: 1621/grapevine/tomato ringspot virus/occurrence/Ontario/Canada
- Dias, H.F.(1978). The properties of virus and RNA components of the grape fanleaf and grape Joannes-Seyve viruses. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 37-39.
Keywords: 1622/grapevine/Joaannes-Seyve virus/fanleaf virus/properties/nucleic acid/Ontario/Canada

- Dias, H.F. and Allen, W.(1978). Properties and RNA components of peach rosette mosaic virus. *3rd Internat. Congr. Plant Pathol., Munich (Germany)* 41-Abstract
Keywords: 1623/grapevine/peach rosette mosaic virus/nucleic acid/properties/Ontario/Canada
- Dias, H.F.(1980). The grapevine Joannes-Seyve virus: cultivar susceptibility and transmission studies. *Proc. 7th Meeting ICVG, Niagara Falls (Canada Agriculture, Research Branch)*. 113-117.
Keywords: 2351/grapevine/Joannes-Seyve virus/symptoms/variety sensitivity/graft transmission/Ontario/Canada
Notes: Symptom expression was highest on American rootstocks, French hybrids and *Vitis labrusca*. Only one *Vitis vinifera* cv. out of five inoculated showed symptoms (Mission).
- Dimitrijevic, B.(1970). The occurrence of "leafroll" of grapevine in Yugoslavia. (In Serbo-Cr., Eng. sum.). *Zasht. Bilja (Plant Protection)* **21**, 373-378.
Keywords: 1625/grapevine/leafroll/occurrence/Yugoslavia
- Dimitrijevic, B.(1972). Virological problems in viticulture.(In Serbo-Cr.). *Jugoslav. Vinogradar i Vinar.* **6(8)**, 20-25.
Keywords: 1626/grapevine/virus diseases/virus-like diseases/Yugoslavia
- Dimitrijevic, B.(1972). Quelques observations concernant le virus de la mosaïque du tabac chez la vigne atteinte de la dégénérescence infectieuse en Yougoslavie (Some observations on tobacco mosaic virus in grapevines with infectious degeneration in Yugoslavia). *Ann. Phytopathol.* **No. hors série**, 107-111.
Keywords: 1627/grapevine/tobacco mosaic virus/graft transmission/heterografting/*Chenopodium*/Yugoslavia
Notes: TMV in grapevines as determined by heterografting between grapevine and *Chenopodium murale*.
- Dimitrijevic, B.(1973). Influence of leafroll virus infection on grapevine yield and wine quality.(In Slovenian & Serbo-Cr.). *I. kolok. o virozah vinske trte v zvezi s selekcijo (First colloquium on grapevine virus diseases in relation with selection)*, Ljubljana 22-28.
Keywords: 1628/grapevine/leafroll/economic importance/quality/yield/performance/Yugoslavia
- Dimitrijevic, B.(1973). Some observations on natural spread of grapevine leafroll disease in Yugoslavia. *Riv. Patol. Veg., Ser. IV* **9(Suppl.)**, 114-119.
Keywords: 1629/grapevine/leafroll/spread/Yugoslavia
Notes: The number of diseased vines doubled over a three-year period; discussion and distribution map.
- Dimitrijevic, B.(1977). Modern methods for the control of virus diseases of grapevine. (In Serbo-Cr., Eng. sum.). *Savjetovanje o ekzoriozi i virusnim bolestima vinove loze (Proc. Conf. on Excoriosis and Virus Diseases of Grapevine)* Hepok, Mostar (Yugosl.) 117-123.
Keywords: 1630/grapevine/virus diseases/virus-like diseases/control/methods/Yugoslavia
- Dimitrijevic, B.(1978). Some characteristics of infectious degeneration of grapevine in Yugoslavia. *Proc. 6th meeting ICVG, Cordoba, Monografías INIA No 18, Ministerio de Agricult., Madrid* 25-29.
Keywords: 1631/grapevine/fanleaf/infectious degeneration/Yugoslavia
Notes: GFV and similar viruses degeneration problems prevalent in parts of the country.
- Dimitrijevic, B.(1980). A new latent virus of grapevine rootstocks in Yugoslavia (preliminary report). (In Serbo-Cr., Eng. sum.). *Zasht. Bilja (Plant Protection)* **31**, 223-227.
Keywords: 2352/grapevine/Bulgarian latent virus/rootstock/Yugoslavia
- Dimitrijevic, B.(1980). Some properties of the new latent virus from grapevine rootstocks in Yugoslavia. *Proc. 7th Meeting ICVG, Niagara Falls (Canada Agriculture, Research Branch)*. 21-24.
Keywords: 2353/grapevine/Bulgarian latent virus/rootstock/mechanical transmission/herbaceous

hosts/serology/Yugoslavia

Notes: The virus was transmitted from the rootstock SO4 in Serbia to herbaceous hosts. It is serologically related to GBLV.

Dimitrijevic, B.(1985). Reactions of host plants to grapevine Bulgarian latent virus in mixed infection with other viruses from grapevine. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 12-14.

Keywords: 2354/grapevine/Bulgarian latent virus/tobacco mosaic virus/symptoms/herbaceous hosts/Yugoslavia

Doazan, J., Bellegarde, H., Ottenwaelter, M.M., and Hévin, M.(1977). Essai de transmission par la graine de viroses de la vigne (Court-noué, Marbrure) (Attempts to transmit grapevine virus disease through seed). *Ann.Amélior.Plantes* **27**, 245-253.

Keywords: 1633/grapevine/virus diseases/seed transmission/France

Notes: The experiments gave no evidence of seed transmission of fanleaf and fleck.

Doazan, J.(1978). On the seed-transmission of some grapevine virus diseases. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 83-85.

Keywords: 1632/grapevine/seed transmission/France

Notes: GFV and fleck not transmitted through seed.

Doazan, J.P., Hévin, M., and Ottenwaelter, M.M.(1979). Remarques sur la thermothérapie de plants de vigne cultivés en pots (Remarks on heat therapy of potted grapevine plants). *Progr.Agric.Vitic.* **96**, 146-147.

Keywords: 2355/grapevine/heat therapy/fleck/leafroll/corky bark/vein necrosis/France

Du Plessis, D.H.(1983). Tobacco mosaic virus in mixed infections in South African vines. *Phytophylactica* **15**, 165-167.

Keywords: 2356/grapevine/tobacco mosaic virus/tobacco necrosis virus/soybean mosaic virus/South Africa

Du Plessis, S.(1950). Virus diseases and some symptomatologically related abnormalities of the vine. *Ann.Univ.Stellenbosch* **26 Sect.A (13)**, 3-33.

Keywords: 1399/grapevine/virus diseases/virus-like diseases/South Africa

Dufrénoy, J.(1966). Essais de thermothérapie de la vigne effectués au C.E.T.A.de Saint-Emilion de 1963 à 1966 (Experiments on heat therapy of grapevine made at the C.E.T.A. of Saint-Emilion from 1963 to 1966). *C.R.Séances Acad.Agric.France* **52**, 940-943.

Keywords: 1398/grapevine/heat therapy/France

Durquét, P.M.(1954). Anomalies pigmentaires et morphologiques chez le *Vitis vinifera* L. (Morphological and pigment abnormalities in *Vitis vinifera* L.). *C.R.Acad.Sci.,Paris* **239(8)**, 593-595.

Keywords: grapevine/abnormalities/morphology/pigmentation/France

Durquét, P.M.(1963). La mosaïque cotylédonaire, les anomalies morphologiques et la panachure de la dégénérescence infectieuse dans la descendance d'une variété bordelaise de l'espèce *Vitis vinifera* L., le Verdeau colon. (Cotyledon mosaic, morphologic abnormalities and yellow mosaic of infectious degeneration in the offspring of a Bordeaux grapevine variety, the Verdeau colon). *C.R.Acad.Sci.,Paris* **257**, 239-241.

Keywords: grapevine/yellow mosaic/infectious degeneration/dégénérescence infectieuse/fanleaf/France

Durquét, P.M.(1982). Les problèmes de l'incompatibilité au greffage (Graft incompatibility problems). *Ile Colloque International sur la Multiplication de la Vigne,Bordeaux* 20-22.

Keywords: 2357/grapevine/rootstock/scion/graft incompatibility/France

Notes: Incompatibility occurring when the variety Abouriou is grafted onto Kober 5BB rootstock. Hypothesis of a virus-mediated incompatibility.

- Egger, E. and Costacurta, A.(1975). Lavori di miglioramento genetico e selezione sanitaria della vite nelle tre Venezie (Genetic improvement and sanitary selection of grapevine in Venezia). *Coltivatore e Giornale Vinicolo Italiano* **121**, 329-330.
Keywords: 1634.
Notes: It is a report on the work of genetical and sanitary selection done in northeastern Italy.
- Egger, E., Roncador, I., Gollino, G., and Tempesta, G.(1977). Primi risultati di selezione clonale sanitaria per il legno riccio della vite.(First results of clonal sanitary selection for grapevine legno riccio, stem pitting). *Esperienze e Ricerche, Sta. Sper. Agrar. Forest. di S.Michele all'Adige* **30**, 366-375.
Keywords: 1636/grapevine/legno riccio/stem pitting/sanitary selection/indexing/woody indicators/Italy
- Egger, E., Moretti, G., Roncador, I., Mori, P., and De Fanti, P.(1978). Investigations on fumigations of vineyards in North-East of Italy. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 261-292.
Keywords: 1635/grapevine/nematodes/control/soil disinfection/Italy
Notes: A discussion on effects of some different chemicals on nematodes, weeds, etc. and economics.
- Egger, E., Roncador, I., and Gollino, G.(1978). First results of sanitary clonal selection for grapevine bark and wood pitting disease (legno riccio). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 337-344.
Keywords: 1637/grapevine/stem pitting/legno riccio/sanitary selection/performance/Italy
- Egger, E. and Antoniazzi, P.(1980). Comparaison of the visual check in the field with indexing for detection of grapevine leafroll. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 349-355.
Keywords: 2358/grapevine/visual selection/indexing/comparison/leafroll/detection/Italy
Notes: Comparison of indexing on Vitis indicators and visual check on mother plants in the field. Only 20% of vines indexing positive for leafroll did not show clear symptoms in the field. The authors consider visual check as fairly reliable.
- Egger, E., Gollino, G., and Antoniazzi, P.(1980). Research on grapevine indicator varieties suitable for detecting leafroll in northern Italy. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 329-331.
Keywords: 2362/grapevine/leafroll/indexing/woody indicators/comparison/Italy
- Egger, E., Borgo, M., Roncador, I., Gollino, G., Angelini, U., Tocchetti, G., and Antoniazzi, P.(1981). Presenza di malattie da virus e virus-simili della vite nell'Italia Nord-orientale (Virus and virus-like diseases in northeastern Italy). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite,Venezia* 327-336.
Keywords: 2361/grapevine/virus diseases/virus-like diseases/fanleaf/yellow mosaic/leafroll/stem pitting/fleck/flavescence dorée/occurrence/Italy
- Egger, E. and Borgo, M.(1983). Diffusione di una malattia virus-simile su "Chardonnay" ed altre cultivar nel Veneto (Spread of a virus-like diseases on Chardonnay and other cvs. in Veneto). *Informatore Agrario* **39**, 25547-25556.
Keywords: 2359/grapevine/virus-like diseases/yellows/bois noir/symptoms/Italy
- Egger, E., Borgo, M., and Antoniazzi, P.(1985). Behaviour of cv. Mission and other grapevine varieties used as leafroll indicators. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24** , 141-143.
Keywords: 2360/grapevine/indexing/graft transmission/woody indicators/leafroll/comparison/Italy/variety
Notes: Mission is not a suitable indicator in the conditions of Veneto. Cabernet franc, Sangiovese and Chardonnay are more suitable.

- Elekes, A. and Valyi, I.(1980). Nematological study of grapevine (In Hungarian, Eng., Germ.,Russ. sum.). *Növényvédelem* **16(2)**, 49-57.
Keywords: 2363/grapevine/nematodes/Hungary
- Engelbrecht, D.J.(1961). A graft-transmissible disease resembling fanleaf of grapevines. *South.Afr.J.Agricult.Sci.* **4**, 631-633.
Keywords: 1400/grapevine/fanleaf/South Africa
- Engelbrecht, D.J. and Wolfswinkel, L.D.(1967). Chenopodium as a host to viruses transmitted from apple, pear and grapevine. *S.Afr.J.Agric.Sci.* **10**, 419-428.
Keywords: Chenopodium/herbaceous hosts/virus/grapevine/South Africa
- Engelbrecht, D.J.(1971). The significance of virus infection in table grape vineyards. *Deciduous Fruit Grower* **21**, 261-263.
Keywords: 1638/grapevine/virus diseases/virus-like diseases/economic importance/South Africa
Notes: Review of the economic importance of some virus diseases present in table grape cultivars, including grapevine leafroll, grapevine fanleaf and grapevine stem-grooving {legno riccio} and a discussion of the virus infection potential of the rootstock.
- Engelbrecht, D.J. and Nel, A.C.(1971). A graft-transmissible stem-grooving of grapevines in the Western Cape Province (South Africa) resembling legno riccio (rugose wood). *Phytophylactica* **3**, 93-96.
Keywords: 1641/grapevine/stem grooving/stem pitting/rugose wood/South Africa
Notes: The presence of grapevine stem-grooving reported for the first time in South African vineyards. Grapevine fanleaf virus found not associated with the disease.
- Engelbrecht, D.J.(1973). Effect of stem-grooving on yield of young "Queen of the Vineyard" table grapes (*Vitis vinifera* L.) grafted on tolerant rootstock. *Riv.Patol.Veg.,Ser.IV* **9 (3)** , 235-242.
Keywords: 1639/grapevine/stem grooving/stem pitting/rugose wood/symptoms/economic importance/South Africa
Notes: Grapevine stem-grooving was found to significantly decrease the average yield, over the first 3 years of production, of a Queen of the Vineyard clonal selection trial. Disease symptoms were only observed on the scion.
- Engelbrecht, D.J.(1978). Nature and effect of the breakdown in tolerance of Jacquez rootstock to grapevine stem-grooving in grafted *Vitis vinifera* L. CV. Queen of the Vineyard vines. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 171-178.
Keywords: 1640/grapevine/stem grooving/stem pitting/rugose wood/symptoms/economic importance/growth/yield/South Africa
Notes: Clonal selection trial showed a progressive increase of grapevine stem-grooving infection in the scion and rootstock over a 3 year period. A variable latent period is suggested to explain the progressive decline in view of the lack of evidence of spread through the soil. Significant decreases in yield and growth with increased severity were recorded.
- Engelbrecht, D.J.(1978). The maintenance of virus-free planting material at nursery and orchard level. *Deciduous Fruit Grower* **28**, 354-358.
Keywords: 2170/grapevine/selection/virus-free material/multiplication/South Africa
- Engelbrecht, D.J. and Schwerdtfeger, U.(1979). In vitro grafting of grapevine shoot apices as an aid to the recovery of virus-free clones. *Phytophylactica* **11**, 183-185.
Keywords: 2368/grapevine/in vitro/micrografting/heat therapy/virus-free material/South Africa
- Engelbrecht, D.J.(1980). Application of the enzyme-linked immunosorbent assay procedure to the detection of grapevine fanleaf virus. *S.Afr.J.Enol.Viticult.* **1**, 103-106.
Keywords: 2364/grapevine/fanleaf virus/detection/serology/ELISA/South Africa

- Engelbrecht, D.J.(1980). Indexing grapevines for grapevine fanleaf virus by enzyme- linked immunosorbent assay. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 277-282.
Keywords: 2365/grapevine/fanleaf virus/detection/serology/ELISA/South Africa
- Engelbrecht, D.J. and Kasdorf, G.G.F.(1984). Association of closterovirus with grapevine leafroll disease. *Electron Microscopy Society of South Africa.Proceedings* **14**, 45-46.
Keywords: 2366/grapevine/leafroll/closterovirus/grapevine virus A/serology/South Africa
- Engelbrecht, D.J. and Kasdorf, G.G.F.(1985). Association of a closterovirus with grapevines indexing positive for grapevine leafroll disease and evidence for its natural spread in grapevine. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 101-105.
Keywords: 2367/grapevine/leafroll/closterovirus/mechanical transmission/herbaceous hosts/Nicotiana/grapevine virus A/serology/spread/mealybugs/vector/South Africa
- Enyutina, M.A.(1979). Fanleaf and yellow mosaic on grapevine rootstocks (In Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **34(10)**, 42-44.
Keywords: 2369/grapevine/fanleaf/yellow mosaic/rootstock/Moldavia
- Enyutina, M.A.(1981). Spread of grapevine fanleaf virus on American rootstock vines (In Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **36(1)**, 41-43.
Keywords: 2370/grapevine/fanleaf virus/rootstock/spread/Moldavia
- EPPO/OEPP(1982). Tomato ringspot virus. Data sheets on quarantine organisms, set 5. *Bull.OEPP/EPPO Bull.* **12(1)**, 1-4.
Keywords: 2371/tomato ringspot virus/properties/quarantine/general
- EPPO/OEPP(1983). Grapevine flavescence dorée mycoplasm. Data sheets on quarantine organisms, set 6. *Bull.OEPP/EPPO Bull.* **13(1)**, 1-4.
Keywords: 2372/grapevine/flavescence dorée/mycoplasma-like organisms/properties/quarantine
- EPPO/OEPP(1983). Raspberry ringspot virus. Data sheets on quarantine organisms, set 6. *Bull.OEPP/EPPO Bull.* **13 {1}**, 6 pp.-6 pp.
Keywords: 2373/raspberry ringspot virus/properties/quarantine
- EPPO/OEPP(1984). Xiphinema americanum COBB 1913. Data sheets on quarantine organisms. *Bull.OEPP/EPPO Bull.* **14**, 67-72.
Keywords: 2374/Xiphinema americanum/description/biology/quarantine
- Esau, K.(1948). Anatomical effects of the viruses of Pierce's disease and phoney peach. *Hilgardia* **18**, 423-482.
Keywords: grapevine/Pierce's disease/phony peach/symptoms/histology/USA
- Esmenjaud, D.(1983). La dégénérescence infectieuse de la vigne (court-noué): transmission par le nématode Xiphinema index et moyens de lutte (Infectious degeneration of grapevine (fanleaf): transmission by the nematode Xiphinema index and control). *Progr.Agric.Vitic.* **100**, 514-515.
Keywords: 2375/grapevine/fanleaf/Xiphinema index/vector/transmission/control/soil disinfection/France
- Esmenjaud, D.(1984). Nématodes et court-noué: une analyse est nécessaire (Nematodes and fanleaf: a soil analysis is necessary). *Vititechnique* (**77**), 16-17.
Keywords: 2376/grapevine/nematodes/fanleaf/control/France

- Evans, G.(1983). *Accession list of virus tested fruit varieties in Australia.*, 9 edition. Department of Health, Canberra, Australia.
Keywords: 2377/grapevine/virus-tested material/certification/Australia
- Eynard, I., Gandini, A., Giunchedi, L., Conti, M., Mannini, F., and Lenzi, R.(1977). *Utilizzazione dei risultati della selezione della vite da vino.* (Martelli, G.P., Ed.) Atti Seminario C.N.R., Bari, Italy. 51-65.
Keywords: 1642/grapevine/clonal selection/sanitary selection/certification/Italy
Notes: Work in progress on genetical and sanitary selection of grapevine in Piedmont, Aosta Valley and Liguria.
- Faccioli, F., Giunchedi, L., and Credi, R.(1977). *Utilizzazione dei risultati della selezione della vite da vino.* (Martelli, G.P., Ed.) Atti Seminario C.N.R., Bari, Italy. 83-90.
Keywords: 1643/grapevine/clonal selection/sanitary selection/Italy
Notes: Work in progress on clonal and sanitary selection of grapevine in Emilia-Romagna
- Faccioli, G.(1963). Indagine istologica su tralci di vite affetti da "suberosi corticale".(Histologic studies on shoots of grapevines affected with corky bark). *Annali Sper.Agraria (Roma)* **N.S.17**, 491-495.
Keywords: corky bark/histology/shoots/Italy/grapevine
Notes: In Italian
- Fallot, J., Ruchaud, G., Durquéty, P.M., and Gazeau, J.P.(1979). Le clone et ses réactions au greffage. III. La transmission de l'incompatibilité au greffage entre le 5 BB et Vitis vinifera (The clone and its reaction to grafting. III. Transmission of graft incompatibility between 5 BB and Vitis vinifera). *Progr.Agric.Vitic.* **96**, 211-216.
Keywords: 2378/grapevine/graft incompatibility/graft transmission/rootstock/Vitis vinifera/France
- Faoro, F., Tornaghi, R., Fortusini, A., and Belli, G.(1981). Association of a possible closterovirus with grapevine leafroll in northern Italy. *Riv.Patol.Veg.,Ser.IV* **17**, 183-189.
Keywords: 2379/grapevine/leafroll/closterovirus-like particles/Italy
- Feldman, J.M. and Pontis, R.E.(1964). Xiphinema index in vineyard soils in Mendoza, Argentina. *Pl.dis.repr.* **48**, 373-374.
Keywords: grapevine/Xiphinema index/Mendoza/fanleaf/occurrence/Argentina
- Feldman, J.M. and Pontis, R.(1964). Xiphinema index y X. americanum en suelos de viñedos mendocinos. (Xiphinema index and X. americanum in vineyard soils of the Mendoza region). *Rev.Fac.Cienc.Agrar.(Mendoza)* **10 (1-2)**, 3-12.
Keywords: grapevine/nematode/vector/Xiphinema index/Xiphinema americanum/soil transmission/virus/nepovirus/fanleaf/Argentina
Notes: In Spanish
- Fenner, F.(1975). Classification and nomenclature of viruses, 2nd rept. Internat. Committee on Taxonomy of Viruses. *Intervirology* **7**, 4-115.
Keywords: 1644/viruses/plants/classification
- Ferreira De Almeida, J.F.L.(1975). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport portugais. (Present state of work on clonal and sanitary selection. Methods and results. Distribution of selected material. Portuguese report). *Bull.OIV* **48(527)**, 5-13.
Keywords: 1647/grapevine/clonal selection/sanitary selection/certification/Portugal
- Ferreira, A.(1970). A new virus of grapevine.(In Portuguese). *Thesis Agric.Engineer.School,Lisbon* 1-139.
Keywords: 1645/grapevine/CM 112/Bulgarian latent virus/properties/Portugal
Notes: A study of 2 isolates of a new virus out of grapevines: seed transmitted in Chenopodium amaranticolor and Phaseolus vulgaris; serologically not related to most of the ringspot viruses known to infect grapevine.

- Ferreira, A. and Sequeira, O.A.d.(1972). Preliminary studies on an undescribed grapevine virus. *Ann.Phytopathol.* **No. hors série**, 113-120.
Keywords: 1646/grapevine/isometric particles/CM 112/mechanical transmission/herbaceous hosts/symptoms/properties/Portugal
Notes: A ringspot virus, isolated from grape, purified out of C. quinoa, not serologically related to many others out of grapevine.
- Festic, H. and Sutic, D.(1977). Occurrence of some vine viruses in Herzegovina. (In Serbo-Cr., Eng. sum.). *Savjetovanje o ekskoriozi i virusnim bolestima vinove loze (Proc.Conf.on Excoriosis and Virus Diseases of Grapevine) Hepok,Mostar (Yugosl.)* 125-130.
Keywords: 1648/grapevine/virus diseases/occurrence/Yugoslavia
- Fic, V.(1958). Infekcni nekroza révy vinné. (Grapevine infectious necrosis). *Sbornik CSAZV Rostlina vyroba* **4**, 559-570.
Keywords: grapevine/infectious necrosis/symptoms/Czechoslovakia
Notes: In Czech.
- Fic, V. and Vanek, G.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) Division of Agricultural Sciences, University of California, Berkeley, California, USA. 214-217.
Keywords: 1649/grapevine/necrosis/symptoms/occurrence/economic importance/Czechoslovakia
- Fijo Delemus, M. and Arias Delgado, M.(1976). La "Dégénérescence infectieuse" et les populations de Xiphinema index dans les vignobles de Jerez (Infectious degeneration and Xiphinema populations in the vineyards of Jerez). *Poljoprivredna znanstvena smotra - Agriculturae Conspectus Scientificus* **39(49)**, 575-585.
Keywords: 1650/grapevine/infectious degeneration/fanleaf/Xiphinema index/Spain
Notes: Presence of infectious degeneration and Xiphinema index in vineyards of Jerez (Spain).
- Fisac, R. and Peña-Iglesias, A.(1978). Aplicacion de la técnica serologica de la simple difusion radial en agar en la deteccion del virus del entrenudo corto infeccioso de la vid (Grapevine fanleaf virus o GFV). Comparacion con la tecnica de doble difusion en agar (Application of the technique if simple radial diffusion in agar for detecting fanleaf of grapevine. Comparison with double diffusion). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 91-95.
Keywords: 1651/grapevine/fanleaf virus/detection/serology/methods/comparison/Spain
- Fogliani, G.(1955). Ricerche sperimentali sulla "degenerazione infettiva" della vite. I. Analisi dei sintomi da "degenerazione" e da altre forme patologiche: descrizione, classificazione e nomenclatura. (Research on the infectious degeneration/fanleaf of grapevine. I. Analysis of the symptoms of "degeneration" and of other pathological forms: description, classification and nomenclature). *Ann.Sperim.Agr.* **N.S.9**, 189-207-263-300.
Keywords: grapevine/degenerazione infettiva/fanleaf/infectious degeneration/symptoms/Italy
- Fogliani, G.(1956). Ricerche sperimentali sulla "degenerazione infettiva" della vite. II. Esame della trasmissione di singoli sintomi della "degenerazione" per innesto. (Research on infectious degeneration (=fanleaf) of grapevine. II. Graft transmission of specific symptoms). *Ann.Fac.Agr.Milano* **N.S.5**, 59-84.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/graft transmission/symptoms/Italy
- Fogliani, G.(1956). Ricerche sperimentali sulla "degenerazione infettiva" della vite. III. Esame dalla trasmissione per talea di singoli sintomi della "degenerazione". (Research on infectious degeneration of grapevine. III. Transmission of specific symptoms through cuttings). *Ann.Fac.Agr.Milano* **N.S.5**, 91-120.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/transmission/Italy

- Fogliani, G.(1956). Ricerche sperimentale sulla "degenerazione infettiva" della vite. IV. Esame della trasmissione per innesto di sintomi presenti su piante degenerate, con marze o con talee senza sintomi, raccolte dalle piante degenerate. (Research in infectious degeneration of grapevine. IV. Graft transmission of symptoms present on degenerated plants, from graftwood or sprouts). *Ann.Fac.Agr.Milano N.S.5*, 187-215.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/graft transmission/symptoms/Italy
- Fogliani, G.(1956). Ricerche sperimentali sulla "degenerazione infettiva" della vite. V. Esame della trasmissione per talea di sintomi presenti su piante degenerate, con talee senza sintomi, raccolte dalle piante degenerate. (Research on infectious degeneration (= fanleaf). V. Transmission from symptomless rootings taken on degenerated plants). *Ann.Fac.Agr.Milano N.S.5*, 217-239.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/transmission/symptoms/Italy
- Fogliani, G.(1962). Un metodo rapido per la diagnosi della "degenerazione infettiva" della vite: La tecnica dei cordoni endocellulari opportunamente modificata. (A quick method for detecting infectious degeneration (=fanleaf) of grapevine: the modified technique of trabeculae). *Atti.Accad.Ital.Vite e Vino 14*, 169-184.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/detection/trabeculae/Italy
- Fogliani, G.(1964). Ricerche sperimentali sui cordoni endocellulari nella vite. Nota I: Esame su 15 cv. da portinnesto artificilmente infettate con urticado (mosaico-fanleaf) e clorose infecciosa (giallume-yellow mosaic). (Research on trabeculae in grapevines. I. Study on 15 cv. of rootstocks artificially infected with fanleaf or yellow mosaic). *Ric.Scientif. 34 (II B)*, 417-438.
Keywords: grapevine/fanleaf/trabeculae/detection/methods/Italy
Notes: Also in Bull. OIV 36, 174-205, 1962
- Fogliani, G.(1970). Un nuovo metodo per la diagnosi delle malattie da virus della vite: l'irraggiamento con raggi X e neutroni e i "Centri Regionali di raccolta e di conservazione del materiale viticolo" (A new method for diagnosis of grapevine virus diseases: irradiation wit X rays and neutrons and the "Regional Centers for harvest and conservation of viticultural material) (????).
Ann.Fac.Agrar.Univ.Cat.Sacro Cuore (Milano) N.S. 10 (1/3), 420-435.
Keywords: 1652/grapevine/virus diseases/virus-like diseases/diagnosis/Italy
- Fogliani, G.(1971). Osservazioni e relazioni fra traslocazione del virus del mosaico giallo (GYMV), della scolorazione perinervale (GVBV) e cordoni endocellulari in piante di vite (Observations and relationships between yellow mosaic, vein banding and trabeculae in grapevines).
Ann.Fac.Agrar.Univ.Cat.Sacro Cuore (Milano) N.S. 11(1/3), 497-504.
Keywords: 1653/grapevine/yellow mosaic/veinbanding/trabeculae/relationships/Italy
- Fogliani, G.(1972). Osservazioni e relazioni fra traslocazione del virus del mosaico giallo (GYMV) della scolorazione perinervale (GVBV) e cordoni endocellulari in piante di vite (Observations and relationships between yellow mosaic, vein banding and trabeculea in grapevines).
Ann.Phytopathol. No. hors série, 35-40.
Keywords: 1654/grapevine/yellow dwarf/veinbanding/relationships/Italy
Notes: Discusses formation of trabeculae and virus movement with the 2 viruses GYMV and GVBV
- Fogliani, G.(1972). Nuove acquisizioni sull'impiego della tecnica dei cordoni endocellulari, in viti affette dal virus dell'arricciamento (GFV), del mosaico giallo (GYMV), e presunte sane. *Ann.Phytopathol. No. hors série*, 41-42.
Keywords: 1655/grapevine/fanleaf/yellow mosaic/trabeculae/Italy
Notes: Methods for locating trabeculae in grape tissues.

- Fogliani, G.(1974). Le malattie da virus della Vite "origini", "tappe", "passaggi", "finalità", e "modalità" de lavoro seguite, per la preparazione del materiale viticolo riguardante la prima selezione clonale, genetica e sanitaria, impostata, realizzata e sviluppata nell'Oltrepo pavese a datare dal 1953. *Pavia Economica* **(1)**,
Keywords: 1656/grapevine/clonal selection/Italy
- Fogliani, G.(1974). Dieci anni di ricerche sperimentali (1959-69) sui cordoni endocellulari in viti affette dai virus dell'arricciamento (GFV), mosaico giallo (GYMV) e scolorazione perinervale (GVVBV).Nota 2. *Ed.Promanuscripto Pironi,Broni* 1-110.
Keywords: 1657/grapevine/virus diseases/diagnosis/trabeculae/Italy
Notes: Sanitary selection in Oltrepo pavese, trabeculae used for diagnosis.
- Fogliani, G.(1975). Le malattie da virus della vite. *Ann.Fac.Agrar.Univ.Cat.Sacro Cuore (Milano)* **N.S.15(1/3)**, 51-175.
Keywords: 1658/grapevine/virus diseases/virus-like diseases/general/Italy
Notes: General information on grapevine virus and virus-like diseases.
- Fogliani, G., Basaglia, R., and Minelli, L.(1975). Ricerche sul virus dell'accartocciamento della vite.(Research on grapevine leafroll). *Ital.Agricola* **112(1)**, 102-113.
Keywords: 1664/grapevine/leafroll/etiology/fanleaf virus/strain/Italy
Notes: The authors put forward the hypothesis, based on graft transmission experiments, that grapevine leafroll could be caused by a particular strain of fanleaf (yellow mosaic) virus.
- Fogliani, G.(1976). Applicazione della termoterapia in pieno campo su viti variamente virosate (Application of heat therapy in the field on grapevines with various virus infection). *Informatore Agrario* **32**, 365-373.
Keywords: 1660/grapevine/heat therapy/Italy
Notes: Heat therapy in the vineyard by heating the vines with electric heaters.
- Fogliani, G.(1977). Particolare sintomatologia, del tipo ring-pattern, sulla cv. Barbera nell'Oltrepo Pavese. *Ital.Agricola* **114(7/8)**, 71-75.
Keywords: 1661/grapevine/virus-like diseases/vein mosaic/Italy
Notes: Probably vein mosaic.
- Fogliani, G.(1978). Occurrence of a symptomatology of the ringspot-line pattern type in cv. Barbera plants of the Oltrepo Pavese (Italy). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 87-89.
Keywords: 1662/grapevine/virus-like diseases/vein mosaic/Italy
Notes: The symptoms described closely resemble those of vein mosaic.
- Fogliani, G.(1978). Virus diseases of the grapevine. The use of heat therapy in the field; "Attenuation" or elimination of viruses ? *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 313-317.
Keywords: 1663/grapevine/heat therapy/Italy
Notes: Experiments on use of low voltage heating devices to heat treat vines in place in the vineyard. Doubtful results.
- Fogliani, G.(1979). Le malattie da virus della vite (Virus diseases of grapevine). *L'Enotecnico* **15(8)**, 19-24.
Keywords: 2380/grapevine/virus diseases/virus-like diseases/general/Italy
- Fogliani, G., Negri, M., and Skabic, P.(1979). Studio dei cordoni endocellulari (trabecole) della vite con il microscopio elettronico a scansione. Nota I. *Riv.Viticol.Enol.* **32**, 130-154.
Keywords: 2383/grapevine/trabeculae/scanning electron microscopy/Italy

- Fogliani, G. and Basaglia, R.(1981). Ricerche sui cordoni endocellulari della vite con il microscopio elettronico a scansione (SEM) dotato di microsonda ai raggi X. Nota II. (Research on trabeculae with a scanning electron microscope equipped with an X-ray probe. Note II.). *Informatore Fitopatol.* **31(6)**, 19-22.
Keywords: 2381/grapevine/trabeculae/scanning electron microscopy/Italy
- Fogliani, G. and Basaglia, R.(1981). Ulteriori ricerche sui cordoni endocellulari della vite con il Quantimet 720. Nota III (Further research on grapevine trabeculae with the Quantimet 720. Note III). *Informatore Fitopatol.* **31(7/8)**, 37-38.
Keywords: 2382/grapevine/trabeculae/scanning electron microscopy/Italy
- Forer, L.B. and Stouffer, R.F.(1981). Xiphinema rivesi associated with tomato ringspot virus-incited diseases in Pennsylvania. *Phytopathology* **71**, 767-Abstract
Keywords: 2384/grapevine/tomato ringspot virus/Xiphinema rivesi/Pennsylvania/USA
- Forer, L.B. and Stouffer, R.F.(1982). Xiphinema spp. associated with tomato ringspot virus infection of Pennsylvania fruit crops. *Plant Dis.* **66**, 735-736.
Keywords: 2385/grapevine/tomato ringspot virus/Xiphinema rivesi/Pennsylvania/USA
- Fortusini, A. and Belli, G.(1975). La selezione di cloni di vite esenti da virus in Lombardia. *Coltivatore e Giornale Vinicolo Italiano* **121(10)**, 326-328.
Keywords: 1665/grapevine/clonal selection/sanitary selection/virus-free material/Italy
Notes: A report on the work of clonal selection in Lombardia (Northern Italy). See also Atti Tavola Rotonda "Malattie da virus e da micoplasmi della vite", Lab. Fitovirologia Applicata, C.N.R., Torino 87-92.
- Fortusini, A. and Belli, G.(1978). Gravi danni da suberosi corticale (corky bark) in vigneti del Tortonese. *Vignevini* **5(3)**, 31-35.
Keywords: 1666/grapevine/corky bark/stem pitting/legno riccio/relationships/symptoms/Italy
Notes: Severe damage due to corky bark in the vineyards of the Tortona region (Northern Italy). Several vines with severe symptoms of corky bark on the canes showed also symptoms of "legno riccio" on the rootstock, suggesting a possible etiological identity of the two diseases.
- Fortusini, A. and Belli, G.(1979). Confronto fra viti indicatrici per la diagnosi dell'accartocciamento fogliare (Comparison of Vitids indicators for diagnosis of leafroll). *Riv.Ortoflorofrutticoltura Italiana* **63**, 23-30.
Keywords: 2386/grapevine/leafroll/indexing/woody indicators/comparison/Italy
- Fortusini, A., Tolentino, D., and Belli, G.(1983). Sintomatologia su piante test erbacee di un ceppo di ArMV (arabis mosaic virus) isolato da vite (Symptoms produced on herbaceous host plants by a strain of arabis mosaic virus isolated from grapevine). *Informatore Fitopatol.* **33(7/8)**, 43-46.
Keywords: 2387/grapevine/arabis mosaic virus/strain/mechanical transmission/herbaceous hosts/symptoms/Italy
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Keywords: grapevine/virus diseases/virus-like diseases/occurrence/symptoms/Australia
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Keywords: grapevine/virus/survey/Australia

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Keywords: 2388/grapevine/yellows/in vitro culture/Germany
- Franken, B. and Nienhaus, F.(1980). Untersuchungen über Veränderungen im Proteinstoffwechsel vergilbungsranker Reben während der Vegetationsperiode (Research on protein metabolism of yellows-diseased vines during the vegetation period). *Wein-Wiss.* **35**, 303-315.
Keywords: 2389/grapevine/yellows/physiology/protein metabolism/Germany
- Frazier, N.W.(1944). Phylogenic relationship of the nine leafhopper vectors of Pierce's disease of grape (Abstr.). *Phytopathology* **34**, 1000-1001.
Keywords: grapevine/Pierce's disease/leafhopper/vector/USA/California
- Frazier, N.W. and Freitag, J.H.(1946). Ten additional leafhopper vectors of the virus causing Pierce's disease of grapes. *Phytopathology* **36**, 634-637.
Keywords: grapevine/Pierce's disease/leafhopper/vector/USA/California
- Frazier, N.W.(1965). *International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 91-99.
Keywords: grapevine/Pierce's disease/alfalfa
dwarf/leafhopper/frog hopper/vector/review/general/California/USA/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1990
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Keywords: grapevine/Pierce's disease/leafhopper/vector/host range/USA/California
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Keywords: grapevine/Pierce's disease/vector/leafhopper/USA/California
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Keywords: grapevine/Pierce's disease/leafhopper/vector/infectivity/USA/California
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Keywords:
grapevine/virus/vector/relationship/insect/review/general/California/USA/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965
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Keywords: 1667/grapevine/fanleaf virus/*Chenopodium*/*Cucumis*/ultrastructure/virus-like particles/Spain
Notes: The idea was to remove ribosomes by means of an incubation of infected tissues in Millonig's phosphate buffer in order to better observe virus particles in the cytoplasm.

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Keywords: 1668/grapevine/selection/Hungary
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Keywords: 1669/grapevine/virus diseases/virus-like diseases/handbook/France
Notes: Important chapter (168 pages) devoted to virus, virus-like and mycoplasma-like diseases. Many colour photographs and references.
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Keywords: grapevine/fanleaf/infectious degeneration/dégénérescence infectieuse/Switzerland
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Keywords: grapevine/court-noué/fanleaf/double nodes/short internodes/Switzerland
Notes: In French. A mathematic formula makes it possible to calculate the degree of abnormality due to double nodes and short internodes alternating with long ones.
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Keywords: grapevine/infectious degeneration/dégénérescence infectieuse/fanleaf/yellow mosaic/graft transmission/Switzerland
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Keywords: 1401/grapevine/fanleaf/Switzerland
- Gallitelli, D., Castellano, M., Di Franco, A., and Rana, G.L.(1979). Properties of carnation yellow stripe virus, a member of the tobacco necrosis virus group. *Phytopathol.Mediterr.* **18**, 31-40.
Keywords: 2390/grapevine/tobacco necrosis virus/strain/Italy
Notes: A strain of tobacco necrosis virus isolated from grapevine is serologically related to carnation yellow stripe in Italy.
- Gallitelli, D., Savino, V., and Sequeira, O.A.d.(1983). Properties of a distinctive strain of Grapevine Bulgarian latent virus. *Phytopathol.Mediterr.* **22**, 27-32.
Keywords: 2391/grapevine/Bulgarian latent virus/strain/CM 112/properties/Italy/Portugal
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Keywords: grapevine/fanleaf/court-noué/heat therapy/in vitro culture/France
Notes: See also Progr. agric. vitic. 78 (20), 192-194, 1961.
- Galzy, R.(1963). Essai de thermothérapie du court-noué de la vigne sur des cultures in vitro.(Experiments on heat therapy of court-noué/fanleaf of grapevine with in vitro cultures). *Bull.O.I.V.* **36(383)**, 41-44.
Keywords: grapevine/court-noué/fanleaf/in vitro culture/heat therapy/France
Notes: IIIrd International Conference on virus diseases of grapevine, Lisbonne, 1962.
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Keywords: grapevine/heat therapy/in vitro culture/France

Notes: (*) Continued 84(23):292-296. In French.

Galzy, R.(1964). Premières observations sur la distribution de l'infection chez des souches de vigne atteintes de court-noué. (First observations on the distribution of infection in grapevines affected with fanleaf). *C.R.Acad.Sci.,Paris* **259**, 1761-1763.

Keywords: grapevine/court-noué/fanleaf/infection/distribution/France

Notes: In French

Galzy, R.(1964). Technique de thermothérapie des viroses de la vigne. (Method of heat therapy of grapevine virus diseases). *Ann.Epiphyt.* **15**, 245-246.

Keywords: grapevine/virus/virus diseases/heat therapy/method/France

Notes: In French

Galzy, R.(1965). Action de traitements thermiques courts sur la rhizogenèse in-vitro d'un clone de Vitis rupestris court-noué. (Effect of short heat treatments on the rhizogenesis of a fanleaf-infected Vitis rupestris clone). *C.R.Acad.Sci.,Paris* **261**, 524-527.

Keywords: grapevine/fanleaf/heat therapy/in vitro/rhizogenesis/Vitis rupestris/France

Notes: In French

Galzy, R.(1965). Observations sur les variations de l'état sanitaire à l'intérieur d'un clone de Vitis rupestris court-noué. (Variations of the sanitary state within a clone of Vitis rupestris affected with fanleaf). *Ann.Epiphyt.* **16 (No hors serie 1)**, 97-108.

Keywords: grapevine/fanleaf/court-noué/Vitis rupestris/symptoms/variation/clone/France

Notes: In French

Galzy, R.(1966). Action de la température 35° sur Vitis rupestris atteint de court-noué. (Effect of a temperature of 35° C on Vitis rupestris affected with court-noué/fanleaf).

Bull.Soc.Fr.Physiol.Veget. **12**, 391-399.

Keywords: grapevine/fanleaf/court-noué/Vitis rupestris/heat therapy/France

Notes: In French

Galzy, R. and Compan, H.(1968). Thermothérapie de quelques variétés de vigne présentant des symptômes de virose. (Heat therapy of some varieties of grapevine with symptoms of virus disease). *Vignes et Vins* **166**, 13-20.

Keywords: grapevine/virus diseases/heat therapy/in vitro/fanleaf/France

Notes: In French

Galzy, R.(1969). Remarques sur la croissance de Vitis rupestris cultivé in vitro sur différents milieux nutritifs. (Growth of Vitis rupestris on various nutritive media). *Vitis* **8**, 191-205.

Keywords: grapevine/Vitis rupestris/in vitro/growth/France

Notes: In French

Galzy, R.(1969). Recherches sur la croissance de Vitis rupestris SCHEELE sain et court-noué cultivé in vitro à différentes températures (Research on growth of healthy and fanleaf infected Vitis rupestris SCHEELE cultivated in vitro at different temperatures). *Ann.Phytopathol.* **1**, 149-166.

Keywords: grapevine/heat therapy/Vitis rupestris/court-noué/in

vitro/growth/fanleaf/France/Vitis/method

Notes: In French. Description of the "Galzy" heat therapy method.

Galzy, R.(1970). Recherches sur la croissance de la vigne saine et court-nouée cultivée "in vitro". (Research on growth of healthy and fanleaf-infected grapevine grown "in vitro"). *These Univ.Clermont -*,

Keywords: grapevine/fanleaf/court-noué/Vitis rupestris/growth/in vitro/France

Notes: In French. PhD thesis, University of Clermont, France

- Galzy, R.(1971). Recherches sur la croissance de la vigne saine et court- nouée cultivée "in vitro". I. Première partie. (Research on growth of healthy and fanleaf-affected grapevine grown "in vitro". I. First part.). *Connaiss.Vigne et Vin* **5**, 1-41.
Keywords: 1670/grapevine/fanleaf/growth/in vitro culture/France
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Keywords: 1674/grapevine/fanleaf/spread/France
- Galzy, R.(1972). La culture in vitro des apex de *Vitis rupestris* (In vitro culture of shoot apices of *Vitis rupestris*). *C.R.Hebd.Séances Acad.Sci.(Paris)* **274**, 210-213.
Keywords: 1671/grapevine/in vitro culture/shoot tip culture/France
- Galzy, R.(1972). Remarque sur la nutrition minérale des apex de *Vitis rupestris* (Remarks on mineral nutrition of shoot apices of *Vitis rupestris*). *C.R.Hebd.Séances Acad.Sci.(Paris)* **275**, 561-564.
Keywords: 1672/grapevine/shoot tip culture/in vitro/nutrition/France
- Galzy, R.(1977). *Recueil de travaux à la mémoire de G.Morel*. (Anonymous Masson, Paris.
Keywords: 1673/grapevine/in vitro culture/methods/France
- Gandini, A., Morando, A., Gerbi, V., Canova, A., Credi, R., Rissone, M., and Bovio, M.(1981). Sintomi e conseguenze dell'accartocciamento fogliare della vite (Symptoms and consequences of grapevine leafroll). *Informatore Agrario* **37**, 15917-15925.
Keywords: 2392/grapevine/leafroll/symptoms/economic importance/Italy
- Garau, R., Prota, U., and Servazzi, O.(1973). Indagini di alterazioni del tipo "legno riccio" della vite in Sardegna (Symptoms of the type "legno riccio" in Sardinia). *Studi Sassaresi, Sez.III Agr.* **21**, 321-332.
Keywords: 1675/grapevine/legno riccio/stem pitting/Sardinia/Italy
Notes: A wood pitting disease found to be widespread in Sardinia.
- Garau, R., Prota, U., and Servazzi, O.(1973). Ricerche intorno a comportamenti particolari delle viti con sintomi assimilabili al "legno riccio" in Sardegna. *Riv.Patol.Veg., Ser.IV* **9(Suppl.)**, 43-49.
Keywords: 1676/grapevine/legno riccio/stem pitting/symptoms/Sardinia/Italy
Notes: On wood pitting of grapevines in Sardinia.
- Garau, R., Prota, U., and Servazzi, O.(1974). Osservazioni istologiche su viti portinnesto con sintomi riferibili al "legno riccio" (Histological observations on rootstocks with symptoms of legno riccio). *Phytopathol.Mediter.* **13**, 64-70.
Keywords: 1677/grapevine/legno riccio/stem pitting/histology/symptoms/rootstock/Sardinia/Italy
Notes: Histological abnormalities in xylem and phloem, growth of vines with symptoms, importance of microscopy examination for diagnosis.
- Garau, R., Cugusi, M., and Dore, M.(1982). Osservazioni su alcuni sintomi collaterali della "Malattia delle enazioni" della vite per fini diagnostici (Observations of some side symptoms of enation disease of grapevine in view of diagnosis). *Atti.Giorn.Fitopatol.1982* **Supplemento**, 61-68.
Keywords: 2393/grapevine/enation/symptoms/Italy
- Garau, R., Cugusi, M., Dore, M., and Prota, U.(1985). Investigations on the yield of "Monica" and "Italia" vines affected by legno riccio (stem pitting). *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 64-67.
Keywords: 2394/grapevine/stem pitting/legno riccio/symptoms/variatal sensitivity/yield/economic importance/Italy

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Keywords: 2396/grapevine/selection/Jerez/Spain
- Garcia De Lujan, A., Monreal, M.G., and Rodriguez Sanchez, M.A.(1982). Nuevos resultados de los ensayos de desinfección de suelos en la lucha contra la virosis de la vid (New results of soil disinfection experiments for the control of grapevine fanleaf). *II.Jornadas Universitarias sobre el Jerez, Universidad de Cádiz, 1982* 12-30.
Keywords: 2397/grapevine/fanleaf/Xiphinema index/soil disinfection/DD/fallow/comparison/Jerez/Spain
- Garcia Gil De Bernabé, A.(1973). Sélection phytosanitaire. Résultats obtenus jusqu'à ce jour en viticulture et en oenologie par le moyen de la sélection visuelle (Phytosanitary selection. Results obtained so far in viticulture and enology by means of visual selection). *Bull.OIV* **47(523)**, 678-681.
Keywords: 1678/grapevine/virus diseases/virus-like diseases/selection/visual selection/research results/performance/yield/quality/Spain
Notes: The author is now named A. Garcia de Lujan.
- Garcia Gil De Bernabé, A.(1974). *Problemas de la replantación del viñedo en la zona del Jerez, causados por la degeneración infecciosa de la vid. Aportación al caso de las cepas carrasqueñas y canarias (Problems of replanting vineyards in the Jerez region, caused by infectious degeneration of grapevine. The case of vines with fanleaf and yellow mosaic).*, Ecole Technique Supérieure d'Ingénieurs Agronomes, Univ.Polytechnique de Madrid, Madrid, Espagne.
Keywords: 1679/grapevine/fanleaf/yellow mosaic/nematode/vector/Xiphinema index/control/soil disinfection/fallow/DD/visual selection/replanting/Spain
Notes: Description des principales viroses de la vigne, identification du virus du court-noué dans la région de Jerez. Sélection de matériel amélioré en se basant sur les symptômes, essais de désinfection du sol, avec replantation après un nombre variable d'années. Elaboration d'un programme de lutte contre les viroses de la vigne pour la région (Thèse de doctorat).
- Garcia Gil De Bernabé, A.(1975). El enrollado de la vid en la zona del Jerez (Grapevine leafroll in the Jerez region). *An.INIA, Ser.Protect.Veg.* **(5)**, 81-110.
Keywords: 1680/grapevine/leafroll/symptoms/indexing/woody indicators/Spain
Notes: Description of symptoms, graft-transmission on the cv. Cabernet Sauvignon used as indicator.
- Garcia Gil De Bernabé, A.(1976). La degeneración infecciosa y las enfermedades de virus de la viña en la zona del Jerez (Infectious degeneration and virus diseases of grapevine in the region of Jerez). *Comunicaciones INIA, Ser.Prot.Veg.* **(6)**, 1-225.
Keywords: 1681/grapevine/virus diseases/virus-like diseases/fanleaf/nematode/vector/Xiphinema index/soil disinfection/DD/fallow/replanting/diagnosis/visual selection/control/Spain
Notes: (Summary of the author's thesis, see ref. 1679). The paper covers a general discussion on grapevine viruses, symptoms in Jerez region, soil types, effects on soils, methods of diagnosis, replanting, plant selection, and plant health measures.
- Garcia Gil De Bernabé, A.(1978). Problèmes de la replantation de la vigne et de la désinfection du sol (Soil disinfection and replanting problems). *Bull.OIV* **51(571)**, 669-676.
Keywords: 1682/grapevine/fanleaf/soil disinfection/DD/fallow/replanting/Spain
Notes: Essais de non culture et de désinfection du sol au DD en vue de lutter contre le court-noué (fanleaf). Les résultats confirment la bonne efficacité du repos du sol et l'utilité de la désinfection comme complément.
- Garcia Gil De Bernabé, A.(1978). La desinfección de suelos y la selección visual de la variedad Palomino Fino en la lucha contra las virosis de la vid en Jerez (Soil disinfection and visual selection of cv. Palomino Fino in relation with control of grapevine virus diseases in Jerez). *Proc.6th meeting*

ICVG, Cordoba, Monografías INIA No 18, Ministerio de Agricult., Madrid 293-299.

Keywords: 1683/grapevine/fanleaf/soil disinfection/visual selection/DD/nematodes/nematicides/Xiphinema index/Spain

Garcia Gil De Bernabé, A.(1979). *La degeneracion infecciosa de la vid. Hojas Divulgadoras No 8-79 (Infectious degeneration of grapevine. Advisory Bulletin No 8-79).*, Ministerio de Agricultura, Servicio de Extension Agraria, Madrid, Spain.

Keywords: 2395/grapevine/fanleaf/general/Spain

Notes: A. Garcia Gil de Bernabé = A. Garcia de Lujan.

Gay, G., Mannini, F., Giunchedi, L., Credi, R., and Gerbi, V.(1981). Relazioni fra attitudini agronomiche ed enologiche e condizioni sanitarie rilevate nelle prime fasi della selezione clonale della vite (Influence of sanitary state on yield and wine quality observed in the first phase of clonal selection). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite, Venezia* 392-396.

Keywords: 2400/grapevine/selection/fanleaf/virus-free material/comparison/varietal sensitivity/performance/quality/yield/Italy

Notes: Comparison of "virus-free" clones and clones affected with a mild strain of GFLV. The effect of the virus differs from a cv. to another.

Gärtel, W.(1953). Reisigkrankheit und Bormangel. (Reisigkrankheit and boron deficiency). *Rhein.Weinztg.* **3**, 287-291.

Keywords: grapevine/Reisigkrankheit/boron/deficiency/fanleaf/nepovirus/Germany

Gärtel, W.(1954). Panaschüren bei Reben. (Yellow mosaic on grapevines). *Weinberg u.Keller* **1**, 137-145.

Keywords: grapevine/Panaschüre/yellow mosaic/symptoms/Germany

Gärtel, W.(1956). Über das Auftreten von Missbildungen an Rebblättern. (On the occurrence of deformations of grapevine leaves). *Weinberg u.Keller* **3**, 268-284.

Keywords: grapevine/Reisigkrankheit/fanleaf/leaf deformations/Germany/symptoms

Gärtel, W.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 53-54.

Keywords: grapevine/flavescence dorée/fanleaf/yellow mosaic/enation/arabis mosaic virus/symptoms/deficiency/nutrition/Germany/meeting/ICVG

Notes: Proc. 2nd ICVG meeting, Davis, Calif. 6-10.9.65

Gärtel, W.(1968). Chlorotisches Blattkräuseln im Weinbau Argentinien und Chiles. (Chlorotic leaf crinkle in vineyards of Argentina and Chile). *Weinberg u.Keller* **15**, 533-538.

Keywords: grapevine/chlorosis/crinkle/symptoms/Argentina/Chile

Notes: In German

Gärtel, W.(1968). Chlorotische Ringflecken an Reben in chilenischen Weinbau. (Chlorotic ringspot of grapevines in vineyards of Chile). *Weinberg u.Keller* **15**, 538-539.

Keywords: grapevine/ringspot/chlorosis/symptoms/Chile

Notes: In German

Gärtel, W.(1968). Qualitative und quantitative Veränderungen des Chlorophyllgehaltes in Blättern mit virusbedingten Chlorosen. (Qualitative and quantitative changes in the chlorophyll content of leaves with chlorosis due to viruses). *Weinberg u.Keller* **15**, 539-540.

Keywords: grapevine/viruses/chlorosis/chlorophyll/physiology/Germany

Notes: In German

Gärtel, W.(1971). Importance économique des viroses de la vigne. Circonstances favorisant leur propagation. Lutte contre ces maladies (Economic importance of grapevine virus diseases.

- Circumstances that favour their spread. Control). *Bull.OIV* **44(479)**, 40-46.
Keywords: 1684/grapevine/virus diseases/virus-like diseases/spread/control/Germany
- Gärtel, W.(1972). Présentation de symptômes de maladies ou d'attaques parasitaires rappelant des viroses chez la vigne (Symptoms of diseases or pests that mimic virus diseases in grapevine). *Ann.Phytopathol.* **No. hors série**, 195-Abstract
Keywords: 1685/grapevine/mineral deficiency/Germany
Notes: Very short enumeration of four types of symptoms.
- Gärtel, W.(1985). Stem grooving (stem pitting, legno riccio)-like symptoms in vines of cv. Kerner in Germany. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 56-59.
Keywords: 2398/grapevine/stem pitting/Kerner disease/symptoms/Germany
- Gärtel, W.(1985). Presence of pleomorphic bacteria in the xylem of "Kerner" grapevines with stem pitting symptoms. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 152-156.
Keywords: 2399/grapevine/Kerner disease/bacterium/scanning electron microscopy/Germany
Notes: Description of bacteria found in the xylem of vines of cv. Kerner affected with Kerner disease. There is no hypothesis on the possible relation of these bacteria with Kerner disease.
- Geard, I.D.(1974). Virus diseases of grapevines. *Hobart Tas.Dept.Agricult.* 1-13.
Keywords: 1686/grapevine/virus diseases/virus-like diseases/symptoms/general/Tasmania
Notes: General discussion of symptoms, transmission, and detection of the more common virus diseases.
- Gergerich, R. and Ramsdell, D.C.(1981). A comparison of some biological and biochemical characteristics of several tobacco ringspot virus isolates. *Phytopathology* **71**, 218-Abstract
Keywords: 2402/grapevine/tobacco ringspot virus/comparison/properties/USA
- Gergerich, R., Asher, J.H., and Ramsdell, D.C.(1983). A comparison of some serological and biological properties of seven isolates of tobacco ringspot virus. *Phytopathol.Z.* **107**, 298-300.
Keywords: 2401/grapevine/tobacco ringspot virus/comparison/properties/USA
- Gerola, G.M., Bassi, M., and Belli, G.(1969). An electron microscope study of different plants infected with grapevine fanleaf virus. *Giorn.Bot.Ital.* **103**, 271-290.
Keywords: grapevine/fanleaf virus/electron microscope/histology/Italy
- Giannotti, J., Caudwell, A., Vago, C., and Duthoit, J.L.(1969). Isolement et purification de micro-organismes de type mycoplasme à partir de vignes atteintes de flavescente dorée. (Isolation and purification of microorganisms of the mycoplasma type from grapevines affected with flavescente dorée). *C.R.Acad.Sci.,Paris* **268**, 843-847.
Keywords: flavescente dorée/mycoplasme/purification/grapevine/France
Notes: In French
- Gifford, E.M., Jr., Hewitt, W.B., Graham, A.D., and Lamoureux, C.H.(1956). An internal symptom for identifying fanleaf in the grapevine. *Bull.Dept.Agric.Calif.* **45**, 268-272.
Keywords: grapevine/fanleaf/trabeculae/USA
- Gifford, E.M., Jr. and Hewitt, W.B.(1961). The use of heat therapy and in vitro shoot tip culture to eliminate fanleaf virus from the grapevine. *Amer.J.Enol.Vitic.* **12**, 129-130.
Keywords: grapevine/fanleaf virus/in vitro culture/shoot tip culture/recovery/USA
- Gifford, E.M.Jr. and Hoeffert, L.L.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 35-52.
Keywords: grapevine/virus diseases/symptoms/histology/physiology/general/review/trabeculae/Pierce's

disease/USA/meeting/ICVG

Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965

Gigante, R.(1937). Ricerche istologiche sulle omeoplasie crestiformi (enations) delle foglie di vite affette da rachitismo.(Histologic research on enations of leaves of grapevines affected by stunt).

Boll.R.Staz.Pat. Veg. **17**, 169-192.

Keywords: grapevine/enations/histology/fanleaf/Italy

Gilmer, R.M. and Kelts, L.J.(1965). Isolation of tobacco mosaic virus from grape foliage and roots.

Phytopathology **55**, 1283

Keywords: tobacco mosaic virus/isolation/grapevine/leaves/roots/N.Y./USA

Notes: Abstract

Gilmer, R.M.(1966). Virus problems in grape. *Proc.N.Y.State Hort.Soc.* **111**, 179-180.

Keywords: grapevine/virus diseases/review/N.Y./USA

Gilmer, R.M. and Kelts, L.J.(1968). Transmission of tobacco mosaic virus in grape seeds. *Phytopathology* **58**, 277-278.

Keywords: grapevine/tobacco mosaic virus/seed transmission/USA

Gilmer, R.M. and Kelts, L.J.(1968). Grape viruses and New York vineyards. *N.Y.Food Life Sci.* **1**, 3-5.

Keywords: viruses/review/New York/grapevine/USA

Gilmer, R.M. and Uyemoto, J.K.(1970). Tobacco ringspot virus infection of grapevine. *Phytopathology* **60**, 574-Abstract

Keywords: 1687/grapevine/tobacco ringspot virus/symptoms/New York/USA

Gilmer, R.M., Uyemoto, J.K., and Kelts, L.J.(1970). A new grapevine disease induced by tobacco ringspot virus. *Phytopathology* **60**, 619-627.

Keywords: symptoms/tobacco ringspot virus/grapevine/USA

Gilmer, R.M. and Uyemoto, J.K.(1972). Tomato ringspot virus in "Baco Noir" grapevines in New York.

Plant Dis.Reptr. **56**, 133-135.

Keywords: 1688/grapevine/tomato ringspot virus/symptoms/New York/USA

Notes: The vineyard under study had a long history of decline.

Gilmer, R.M., Uyemoto, J.K., and Kelts, L.(1972). Infection of grapevine, in New York, by tobacco ringspot virus. *Ann.Phytopathol.* **No. hors série**, 121-122.

Keywords: 1689/grapevine/tobacco ringspot virus/occurrence/symptoms/transmission/herbaceous hosts/mechanical transmission/vector/Xiphinema americanum/New York/USA

Giunchedi, L.(1972). La malattia delle enazioni della vite nei vigneti dell'Italia Centro-Settentrionale (Enation disease of grapevine in vineyards of northern-central Italy). *Informatore Fitopatol.* **22** {23/24}, 8-10.

Keywords: 1690/grapevine/enation/symptoms/Italy

Notes: The enation disease observed in several vineyards of Emilia- Romagna and Marche - delayed spring growth, bushy and stunted.

Giunchedi, L.(1973). Virus X della patata isolato da radici e foglie di vite (Potato X virus isolated from grapevine roots and leaves). *Riv.Patol. Veg.,Ser.IV* **9(Suppl.)**, 73-77.

Keywords: 1691/grapevine/potato X virus/mechanical transmission/herbaceous hosts/strain/Italy

Notes: A strain of potato X virus isolated from the grapevine cv. Barbara after 100 d at 37° C. The mother vine had symptoms of leafroll, however no symptoms had shown on indicator grape plants, and the virus was not re-isolated from inoculated grape.

Giunchedi, L.(1975). Risanamento dei cloni di vite e loro mantenimento in sanità (Curing grapevine clones and maintaining them in good health). *Coltivatore e Giornale Vinicolo Italiano* **121**, 275-277.

Keywords: 1692/grapevine/clonal selection/sanitary selection/heat therapy/morphology/abnormalities/Italy

Notes: Techniques used in obtaining virus disease free grapevines, maintaining them, and modifications in plants following heat treatment are discussed. See also Atti Tavola Rotonda "Malattie da virus e da micoplasmi", Lab Fitovirol. Appl. C.N.R., Torino, 67-72.

Giunchedi, L. and Credi, R.(1975). Le malattie degenerative della vite (virosi, micoplasmi e rickettsie). Sintomatologia, epidemiologia, aspetti sanitari ed agronomici. *Vignevini* **2(4)**, 23-33.

Keywords: 1693/grapevine/virus diseases/virus-like diseases/mycoplasma-like organisms/rickettsia-like organisms/symptoms/epidemiology/control/economic importance/Italy

Notes: Describes degenerative diseases of grapevines found in Italy, methods of maintaining healthy stocks and effects of procedures on vines are discussed.

Gladwin, F.E.(1918). A non-parasitic malady of the vine. *Bull.N.Y.State Exp.Sta.* **(449)**, 99-100.

Keywords: grapevine/virus-like diseases/USA

Glaser, T. and Skowronski, Z.(1970). A virus disease of grapevine.(In Polish). *Ochrona Roslin* **14(2)**, 13-15.

Keywords: 1694/grapevine/fanleaf/occurrence/Poland

Notes: Fanleaf of grapevine has been recorded in a vineyard in western Poland.

Gnutova, R., Samonina, I.N., and Milkus, B.N.(1977). *Shtami virusov rastenii (Plant virus strains)*. (Anonymous Institute of Biology and Pedology, Far East Science Centre, Acad. Sci USSR., 250-252 {Russ.

Keywords: 1695/grapevine/fanleaf virus/yellow mosaic/strains/serology/detection/Ukraine/USSR

Gnutova, R.V.(1981). *Plant Virology. Proc. 9th Conference of Czechoslovak Plant Virologists, Brno, 1981*. (Polak, J., Brckak, J., Chod, J., and Polak, Z., Eds.) USTAV Exp. Bot. CSAV, Prague, Czechoslovakia. 53-56.

Keywords: 2403/grapevine/virus diseases/serology/yellow mosaic/USSR

Godini, A., Russo, G., La Notte, E., Liuzzi, V.A., Martelli, G.P., and Savino, V.(1981). La selezione clonale ed il miglioramento sanitario della vite in alcune regioni del Mezzogiorno d'Italia (Clonal selection and sanitary improvement of grapevine in some regions of souther Italy). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite, Venezia* 379-388.

Keywords: 2405/grapevine/clonal selection/sanitary selection/Italy

Godini, A. and Martelli, G.P.(1983). La selezione clonale ed il miglioramento sanitario della vite in Puglia e in regioni limitrofe: tre lustri di esperienze (Clonal selection and sanitary improvement of grapevine in Puglia and neighbouring regions: 30 years of experiments). *Atti Accad.Ital.Vite e Vino Siena* **35**, 321-328.

Keywords: 2404/grapevine/clonal selection/sanitary selection/Italy

Goheen, A.C., Harmon, F.N., and Weinberger, J.H.(1958). Leafroll (White Emperor disease) of grapes in California. *Phytopathology* **48**, 51-54.

Keywords: grapevine/leafroll/USA/California/white Emperor disease

Goheen, A.C., Hewitt, W.B., and Alley, C.J.(1959). Studies on grape leafroll in California. *Amer.J.Enol.Vitic.* **10**, 78-84.

Keywords: grapevine/leafroll/USA/California

Goheen, A.C. and Cook, J.A.(1959). Leafroll (red-leaf or rougeau) and its effects on vine growth, fruit quality, and yields. *Amer.J.Enol.Vitic.* **10**, 173-181.

- Keywords:** grapevine/leafroll/rougeau/symptoms/quality/performance/economic importance/USA/California
- Goheen, A.C., Clove, W.J., and Skotland, C.B.(1961). Survey for grape virus diseases in Washington. *Proc.Wash.State Hort.Assoc.* **56**, 228-230.
Keywords: grapevine/survey/field observations/virus diseases/USA/Washington
- Goheen, A.C. and Schnathorst, W.C.(1961). Resistance to powdery mildew in leafroll-affected grapevines. *Pl.dis.reptr.* **45**, 641-643.
Keywords: grapevine/leafroll/powdery mildew/resistance/interference/USA/California
- Goheen, A.C. and Hewitt, W.B.(1962). Vein banding, a new virus disease of grapevines. *Amer.J.Enol.Vitic.* **13**, 73-77.
Keywords: grapevine/vein banding/fanleaf virus/USA/California
- Goheen, A.C. and Hewitt, W.B.(1964). Diagnosis of leafroll of grapevines. *Riv.Pat.Veg.* **4 (ser.3)**, 427-442.
Keywords: leafroll/grapevine/indexing/detection/USA
- Goheen, A.C.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences., Davis, Calif., USA. 135-138.
Keywords: grapevine/leafroll/symptoms/USA/California/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Goheen, A.C., Luhn, C.F., and Hewitt, W.B.(1965). *Proceedings International Conference of Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 255-265.
Keywords: grapevine/heat therapy/fanleaf/leafroll/vein banding/yellow mosaic/yellow vein/corky bark/USA/California/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Goheen, A.C.(1968). Virustest auf corky bark in den USA (Virus indexing for corky bark in USA). *Weinberg u.Keller* **15**, 510-514.
Keywords: grapevine/corky bark/virus/indexing/USA
Notes: In German.
- Goheen, A.C.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook).* (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, Calif.,USA. 209-219.
Keywords: leafroll/virus/virus diseases/grapevine/handbook
- Goheen, A.C. and Nyland, G.(1971). Rapid propagation of heat-treated grapevines. *Wines and Vines* **52(5)** , 25-27.
Keywords: 1700/grapevine/heat therapy/multiplication/virus-free material/California/USA
Notes: Methods for rapid propagation of clean grapevines.
- Goheen, A.C. and Lowe, S.K.(1973). Use of electron microscopy for indexing grapevines for Pierce's disease. *Riv.Patol.Veg.,Ser.IV* **9(3)**, 279-280.
Keywords: 1697/Pierce's disease/rickettsia-like organisms/electron microscopy/detection/California/USA
Notes: Detection of rickettsialike bacteria in infected grape tissues and demonstration that such bacteria occurred in vines from northeastern Mexico.
- Goheen, A.C. and Luhn, C.F.(1973). Heat inactivation of viruses in grapevines. *Riv.Patol.Veg.,Ser.IV* **9(3)**, 287-289.
Keywords: 1698/grapevine/heat therapy/methods/California/USA

- Notes:** A method for the heat inactivation of heat-stable viruses and virus-like agents in grapevines, using dormant buds grafted to a healthy nurse plant.
- Goheen, A.C., Nyland, G., and Lowe, S.K.(1973). Association of a rickettsialike organism with Pierce's disease of grapevines and alfalfa dwarf and heat therapy of the disease in grapevines. *Phytopathology* **63**, 341-345.
Keywords: 1701/grapevine/Pierce's disease/rickettsia-like organisms/etiology/California/USA
Notes: Demonstration that a heat labile organism was the causal agent of Pierce's disease and that the agent was very likely a rickettsialike bacterium.
- Goheen, A.C.(1977). Virus and viruslike diseases of grapes. *HortScience* **12**, 465-469.
Keywords: 1696/grapevine/virus diseases/virus-like diseases/general/California/USA
- Goheen, A.C. and Luhn, C.F.(1978). Association of stem pitting with corky bark in grapes and detection by indexing in standard indicators. *Phytopathology News* **12(9)**, 172-Abstract
Keywords: 1699/grapevine/stem pitting/corky bark/indexing/woody indicators/California/USA
Notes: Research done in 1976 and 1977 suggests that stem pitting is a sensitive symptom expression of the agent that produces corky bark. This agent is not a recognized NEPO virus.
- Goheen, A.C., Raju, B.C., Lowe, S.K., and Nyland, G.(1979). Pierce's disease of grapevines in Central America. *Plant Dis.Repr.* **63**, 788-792.
Keywords: 2411/grapevine/Pierce's disease/occurrence/Central America
- Goheen, A.C.(1980). The California clean grape stock program. *California Agriculture* **34(7)**, 15-16.
Keywords: 2406/grapevine/sanitary selection/California/USA
- Goheen, A.C., Raju, B.C., and Frazier, N.W.(1980). Alternative hosts of Pierce's disease in Napa Valley, California. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 171-176.
Keywords: 2410/grapevine/Pierce's disease/host plants/California/USA
- Goheen, A.C., Brown, W.M.J., and Crespo, F.(1981). Incidence of virus diseases of grapes in Bolivia. *Phytopathology* **71**, 863-Abstract
Keywords: 2409/grapevine/virus diseases/virus-like diseases/occurrence/Bolivia/USA
- Goheen, A.C.(1982). Grape pathogens and prospects for controlling grape diseases. *Proc.Grape Wine Centenn.Symp.Davis (1980)* 24-27.
Keywords: 2407/grapevine/virus diseases/virus-like diseases/control/California/USA
- Goheen, A.C.(1984). Funzione dei portinnesti negli Stati Uniti: uso attuale, problemi e prospettive (Role of rootstocks in the United States: present use and prospects). *Riv.Viticol.Etol.* **37**, 378-385.
Keywords: 2408/grapevine/rootstock/certification/sanitary state/USA
- Goidanich, G. and Canova, A.(1963). La suberosi corticale della vite. Una malattia da virus. (Stem pitting of grapevine, a virus disease). *Phytopath.medit.* **2**, 295-297.
Keywords: grapevine/stem pitting/legno riccio/suberosi corticale/Italy
- Goidanich, G., Canova, A., and Giunchedi, L.(1976). Una preoccupante degenerazione della vite: il "legno riccio". *Terra e Vita* **17(5)**,
Keywords: 1702/grapevine/legno riccio/stem pitting/Italy
Notes: Criteria followed for the sanitary selection of the vine and the symptomatic aspects of the "legno riccio" are described.
- Gonsalves, D.(1979). Detection of tomato ringspot virus in grapevines: a comparison of Chenopodium quinoa and enzyme-linked immunosorbent assay (ELISA). *Plant Dis.Repr.* **63**, 962-965.
Keywords: 2412/grapevine/tobacco ringspot virus/detection/serology/ELISA/indexing/mechanical transmission/herbaceous hosts/comparison/New York/USA

- Gonsalves, D.(1980). Detection of tomato ringspot virus in grapevines: irregular distribution of virus. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 95-106.
Keywords: 2413/grapevine/tobacco ringspot virus/detection/serology/ELISA/indexing/mechanical transmission/herbaceous hosts/New York/USA
- Gonsalves, D.(1985). Strategies for controlling tomato ringspot virus of grapevines in New York. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 210-Abstract
Keywords: 2414/grapevine/tomato ringspot virus/control/New York/USA
- Gonzalez, R.H.(1970). Nuevas especies de nematodes que atacan la vid en Chile (New species of nematodes that attack grapevine in Chile). *Agricultura Técnica (Chile)* **30(1)**, 31-37.
Keywords: 1703/grapevine/nepoviruses/nematodes/vectors/Xiphinema americanum/Xiphinema index/Chile
Notes: Xiphinema index and X. americanum associated with soil-borne virus diseases of grapevines in Chile.
- Gooding, G.V., Jr.(1962). *The grape yellow vein disease and characterization of the causal virus.*, Univ. California, Davis (Ph. D. Thesis, Pl. Pathol. Dept.).
Keywords: grapevine/yellow vein/tomato ringspot virus/USA/California
- Gooding, G.V., Jr. and Hewitt, W.B.(1962). Grape yellow vein : symptomatology, identification, and the association of a mechanically transmissible virus with the disease. *Amer.J.Enol.Vitic.* **13**, 196-203.
Keywords: grapevine/yellow vein/tomato ringspot virus/nepovirus/symptoms/USA/California
- Gooding, G.V., Jr.(1963). Purification and serology of a virus associated with the grape yellow vein disease. *Phytopathology* **53**, 475-480.
Keywords: grapevine/yellow vein/tomato ringspot virus/purification/serology/USA/California
- Gooding, G.V., Jr.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 150-157.
Keywords: grapevine/yellow vein/virus/symptoms/herbaceous hosts/tomato ringspot virus/USA/California/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Gooding, G.V., Jr.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 211-222.
Keywords: grapevine/serology/methods/fanleaf virus/yellow vein/purification/virus/USA/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Gooding, G.V., Jr., Hewitt, W.B., and Cory, L.(1967). Etiology of the grapevine yellow vein disease. *Phytopathology* **57**, 236
Keywords: grapevine/yellow vein/tomato ringspot virus/etiology/USA/California
- Gooding, G.V., Jr. and Téliz, D.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook).* (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, Calif., USA. 238-241.
Keywords: grapevine/yellow vein/tomato ringspot virus/nematode/vector/symptoms/herbaceous hosts/detection/control/USA/California/handbook
- Granata, G.(1982). Deperimenti e giallume in piante di vite (Dieback and yellows in grapevine plants). *Informatore Fitopatol.* **32(7/8)**, 18-20.
Keywords: 2415/grapevine/dieback/yellows/Italy

- Granata, G.(1983). Severe damages to vineyards associated to symptoms like "Flavescence dorée" in Sicily. *Proc.4th Intern.Congr.Plant Pathology,Melbourne* 115-Abstract 158
Keywords: 2416/grapevine/yellows/Sicily/Italy
Notes: Symptoms of the yellows observed in Sicily have some similarity with those of flavescence, but there is no proof that both diseases are identical.
- Granata, G. and Refatti, E.(1984). Indagine sulla diffusione della "necrosi della nervatura fogliari" in alcuni vitigni ad uva da vino in Sicilia (Research on the spread of leaf vein necrosis disease in some vineyards of Sicily). *Informatore Fitopatol.* **34(10)**, 37-39.
Keywords: 2419/grapevine/leaf vein necrosis/spread/Sicily/Italy
- Granata, G.(1985). An unreported virus-like disease of grapevine cv. Italia in Sicily. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 51-53.
Keywords: 2417/grapevine/virus-like diseases/leaf vein necrosis/symptoms/graft transmission/Sicily/Italy
Notes: An apparently new virus-like disease, whose symptoms are similar to those of grapevine infectious necrosis. The disease is perpetuated in cuttings from diseased vines and is graft-transmissible. It is not transmissible by mechanical inoculation.
- Granata, G.(1985). Epidemic yellows in vineyards of cv. Inzolia in Sicily. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 79-81.
Keywords: 2418/grapevine/yellows/spread/Sicily/Italy
- Graniti, A.(1954). Osservazioni da campo sulla distribuzione, l'importanza economica e la sintomatologia della degenerazione infettiva della vite in Sardegna.(Field observations on distribution, economic importance and symptomatology of infectious degeneration/fanleaf in Sardinia). *Rivista Frutt.* **(16)**, 57-67.
Keywords: grapevine/fanleaf/degenerazione infettiva/economic importance/symptoms/field observations/survey/Sardinia/Italy
- Graniti, A.(1959). Probabile presenza della "malattie delle enazioni" della vite in Puglia. (Probable occurrence of enation disease in Puglia). *Not.Mal.Piante* **47-48 (N.S.26-27)**, 140-143.
Keywords: grapevine/enation disease/Puglia/Italy
- Graniti, A. and Ciccarone, A.(1961). Osservazioni su alterazioni virosiche e virus-simili della vite in Puglia. (Observation on virus- and virus-like diseases of grapevine in Puglia). *Not.Mal.Piante* **55 (N.S.34)**, 99-102.
Keywords: grapevine/virus diseases/virus-like diseases/Puglia/Italy/field observations
- Graniti, A.(1964). Note sintomatologiche ed istologiche sulle viti affette da "legno riccio".(Note on symptomatology and histology of grapevines with legno riccio/stem pitting). *Phytopath.medit.* **3**, 19-25.
Keywords: grapevine/legno riccio/stem pitting/symptoms/histology/Italy
- Graniti, A.(1964). Osservazioni istologiche e cromatografiche su viti affette da "accartocciamento".(Histological and chromatographic observations on grapevines affected with leafroll). *Phytopath.medit.* **3**, 44-45.
Keywords: grapevine/leafroll/accartocciamento fogliare/histology/chromatography/Italy
- Graniti, A. and Martelli, G.P.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 168-179.
Keywords: grapevine/legno riccio/rugose wood/stem pitting/symptoms/anatomy/histology/occurrence/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965

- Graniti, A., Martelli, G.P., and Lamberti, F.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 293-306.
Keywords: grapevine/enation/symptoms/anatomy/histology/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Graniti, A. and Russo, M.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 271-281.
Keywords: grapevine/trabeculae/fanleaf/symptoms/anatomy/histology/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Graniti, A. and Martelli, G.P.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, California, USA. 241-243.
Keywords: 1704/grapevine/enation/symptoms/economic importance/graft transmission/spread/etiology/Italy
- Graniti, A. and Martelli, G.P.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) Division of Agricultural Sciences, University of California, Berkeley, California, USA. 243-244.
Keywords: 1705/grapevine/legno riccio/stem pitting/symptoms/histology/economic importance/Italy
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Keywords: 2410/grapevine/in vitro culture/rhizogenesis/shoot tip culture/heat therapy/France
- Grenan, S.(1979). Possibilités d'élimination des modifications foliaires, apparues sur la variété Grenache N. après un passage prolongé en culture in vitro (Possibility of eliminating leaf abnormalities developed on the cv. Grenache N after a long culture in vitro). *Progr.Agric.Vitic.* **96**, 152-157.
Keywords: 2421/grapevine/in vitro culture/abnormalities/France
- Grenan, S.(1982). *Implications fondamentales et appliquées de conséquences de la culture in vitro de Vitis vinifera (Basic and practical consequences of in vitro culture of Vitis vinifera)*.(Ph.D. thesis)., Université Paris-Sud,Centre d'Orsay, Paris, France.
Keywords: 2422/grapevine/in vitro culture/abnormalities/morphology/physiology/thesis/France
- Grenan, S.(1982). Quelques réflexions à propos de modifications morphogénétiques consécutives à la culture in vitro chez la vigne (Vitis vinifera L.) (Reflections on morphological abnormalities due to in vitro culture of grapevine (Vitis vinifera L.). *Ann.Sci.Nat.Bot.,Paris* **13 Sér.4**, 135-146.
Keywords: 2423/grapevine/in vitro culture/abnormalities/morphology/physiology/France
- Grenan, S.(1983). Conséquences de la culture in vitro de Vitis vinifera (Consequences of in vitro culture of grapevine). *Vignes et Vins* (**316**), 11-15.
Keywords: 2424/grapevine/in vitro culture/abnormalities/France
- Grenan, S.(1984). Polymorphisme foliaire consécutif à la culture in vitro de Vitis vinifera L. (Foliar polymorphism due to in vitro culture of Vitis vinifera L.). *Vitis* **23**, 159-174.
Keywords: 2425/grapevine/in vitro culture/abnormalities/physiology/France
- Grenan, S. and Caraux, G.(1984). Influence de la thermothérapie in vitro sur le polymorphisme foliaire de variétés de Vitis vinifera L. (Influence of heat therapy on foliar polymorphism of Vitis vinifera cultivars). *Bull.Soc.Bot.Fr.* **131 (Lettres bot.)**, 277-300.
Keywords: 2426/grapevine/in vitro culture/heat therapy/abnormalities/physiology/France

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Keywords: 1706/grapevine/enation/occurrence/Bulgaria
- Gugerli, P., Brugger, J.J., and Bovey, R.(1984). L'enroulement de la vigne: mise en évidence de particules virales et développement d'une méthode immuno-enzymatique pour le diagnostic rapide (Grapevine leafroll: presence of virus particles and development of an immuno-enzyme method for diagnosis and detection). *Rev.Suisse Viticult.Arboricult.Hort.* **16**, 299-304.
Keywords: 2427/grapevine/leafroll/closterovirus/isometric particle/serology/detection/ELISA/immunosorbent electron microscopy/Switzerland
- Gugerli, P., Brugger, J.J., and Bovey, R.(1985). Grapevine leafroll disease: identification of virus particles and development of an enzyme-immunoassay for rapid diagnosis. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 209-Abstract
Keywords: 2428/grapevine/leafroll/closterovirus/serology/detection/ELISA/immunosorbent electron microscopy/Switzerland
- Guillot, R.(1980). Les plants de vigne certifiés (Certified grapevine plants). *Progr.Agric.Vitic.* **98**, 445-446.
Keywords: 2429/grapevine/certification/France
- Guzman-Serrano, J.C.(1970). Enquête sur le court-noué dans le Rioja (Fanleaf in Rioja). *Progr.Agric.Vitic.* **87**, 299-304.
Keywords: 1707/grapevine/fanleaf/occurrence/Spain
- Hafez, S.L., Raski, D.J., and Lear, B.(1981). Action of systemic nematicides in control of Xiphinema index on grape. *J.Nematology* **13**, 24-29.
Keywords: 2430/grapevine/Xiphinema index/control/nematicide/systemic/California/USA
- Hahn, H.(1973). Erfahrungen mit der Wärmetherapie bei Rebvirosen (Experiment on heat therapy of grtapevine virus diseases). *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 175-176.
Keywords: 1708/grapevine/heat therapy/methods/Germany
Notes: Modified method of heat treatment and propagation of grape shoot tip cuttings.
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Keywords: 2431/grapevine/leafroll/performance/quality/physiology/Australia
- Hall, B. and Hewitt, W.B.(1955). An attempt to use a colour reaction test to identify virus-diseased grapevines. *Pl.dis.reptr.* **39**, 150-151.
Keywords: grapevine/colour test/identification/virus diseases/USA/California
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Keywords: 1709/grapevine/virus diseases/virus-like diseases/indexing/virus elimination/heat therapy/certification/quarantine/Australia
Notes: This paper is continued in (123):6-7, (125):6-7. A popular series, prepared from discussions with Australian workers, publicizing Australian research on virus diseases: how they spread, description of some viruses in Australian vines, detection and elimination, quarantine and supply of virus tested material to industry.
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Keywords: 2432/grapevine/diseases/pests/handbook/Bulgaria

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Keywords: grapevine/white Emperor disease/leafroll/symptoms/USA/California
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Keywords: grapevine/white Emperor disease/symptoms/USA/California
- Harmon, F.N. and Snyder, E.(1946). Investigations on the occurrence, transmission, spread and effect of "white" fruit colour in the Emperor grape. *Proc.Am.Soc.Hort.Sci.* **74**, 190-194.
Keywords: grapevine/leafroll/white Emperor disease/transmission/survey/symptoms/quality/USA/California
- Harris, A.R.(1977). A first record of *Tylenchulus semipenetrans* and males of *Xiphinema index* in vineyards in north-eastern Victoria. *Austral.Plant Pathol.Soc.Newsletter*
Keywords: 1710/grapevine/nematodes/fanleaf/Xiphinema index/Australia
Notes: Occurrence of nematodes and indexing grapevines for presence of GFV
- Harris, A.R.(1978). Don't spread fanleaf Nematode. *Austral.Grapegrower Winemaker* **(172)**, 20-22.
Keywords: 1711/grapevine/fanleaf/vector/Xiphinema index/spread/control/Australia
Notes: Importance, biology, ecology, dissemination and control of *Xiphinema index* with particular reference to the Australian environment.
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Keywords: 1712/grapevine/fanleaf virus/Xiphinema index/spread/control/Australia
Notes: The persistence of the nematode and virus makes the complex difficult to control. Prevention of spread is therefore important in the Australian situation.
- Harris, A.R.(1979). Beware of fanleaf nematode. *Australian Dried Fruit* **7(1)**, 12-13.
Keywords: 2433/grapevine/Xiphinema index/fanleaf/nematode/control/Australia
- Harris, A.R.(1979). Seasonal populations of *Xiphinema index* in vineyard soils of north-eastern Victoria, Australia. *Nematologica* **25**, 336-347.
Keywords: 2434/grapevine/Xiphinema index/reproduction/biology/Australia
- Harris, A.R.(1982). Studies on *Xiphinema index* and other dagger nematodes of grapevine in Victoria. *J.Austral.Inst.Agricult.Sci.* **48**, 142-Abstract
Keywords: 2435/grapevine/Longidoridae/Xiphinema index/biology/Australia
- Harris, A.R.(1983). Resistance of some *Vitis* rootstocks to *Xiphinema index*. *J.Nematology* **15**, 405-410.
Keywords: 2436/grapevine/Xiphinema index/rootstock/resistance/Australia
Notes: This paper concerns resistance to feeding and feeding damage, not to transmission of fanleaf virus.
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Keywords: 2437/grapevine/in vitro culture/propagation/virus elimination/virus-free material/leafroll/British Columbia/Canada
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Keywords: 1403/tomato black ring virus/nematode/vector/Longidorus elongatus/United Kingdom
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Keywords: 1404/arabis mosaic virus/nematode/vector/Xiphinema diversicaudatum/United Kingdom
- Harrison, B.D.(1964). Specific nematode vectors for serologically distinctive forms of raspberry ringspot and tomato black ring viruses. *Virology* **22**, 544-550.
Keywords: 1402/raspberry ringspot virus/tomato black ring virus/nematode/vectors/United Kingdom
- Harrison, B.D., Finch, J.T., Gibbs, A.J., Hollings, M., Shepherd, R.J., Valenta, V., and Wetter, C.(1971). Sixteen groups of plant viruses. *Virology* **45**, 356-363.
Keywords: 1713/viruses/plants/classification
- Harrison, B.D., Robertson, W.M., and Taylor, R.H.(1974). Specificity of retention and transmission of viruses by nematodes. *J.Nematology* **6**, 155-164.
Keywords: 1714/nematodes/nepoviruses/transmission/review/United Kingdom
Notes: General review of the problem, 35 references.
- Harrison, B.D. and Murrant, A.F.(1977). Nepovirus group. *CMI/ABB Descriptions of Plant Viruses* **No. 185**, 4pp.
Keywords: 2171/grapevine/nepovirus/properties
- Hartmair, V.(1963). Über das Auftreten der Rebenvirosen in den österreichischen Weinbaugebieten. (On the occurrence of grapevine virus diseases in Austrian vineyards). *Obst.u.Weinbau* **32**, 101-102.
Keywords: grapevine/virus diseases/survey/Austria
- Hartmair, V.(1968). Methoden des Auffindens und Erkennens von Rebvirosen (Methods for detecting and identifying grapevine viruses). *Weinberg u.Keller* **15**, 525-526.
Keywords: grapevine/virus diseases/virus-like disease/detection/identification/indexing/Austria/meeting/ICVG
Notes: Abstract 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967. In German.
- Hartmair, V.(1968). Rebvirosen und Symptomenausbildung (Grapevine virus und symptom expression). *Weinberg u.Keller* **15**, 526-527.
Keywords: grapevine/virus/symptoms/Austria/meeting/ICVG
Notes: Abstract 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967. In German.
- Hartmair, V. and Hepp, E.(1968). Über das Auftreten von Rebvirosen in Österreich (On the occurrence of grapevine virus diseases in Austria). *Mitt.Klosterneuburg* **18**, 73-84.
Keywords: grapevine/virus diseases/occurrence/symptoms/Austria
Notes: In German.
- Hartmair, V.(1972). Viruskranke Reben - eine Gefahr für den Weinbau (Virus-infected grapevines - a danger for viticulture). *Winzer* **28**, 168-170.
Keywords: 1715/grapevine/virus diseases/control/Austria
- Hartmair, V.(1972). Viruskranke Reben - eine Gefahr für den Weinbau ? *Im Blickfeld* **23(27)**, 5-8.
Keywords: 1716/grapevine/virus diseases/virus-like diseases/economic importance/Austria
- Hartmair, V.(1973). Phytosanitäre Massnahmen im Rahmen der Rebenzüchtung (Phytosanitary measures in grapevine breeding). *Winzer* **29**, 146-149.
Keywords: 1717/grapevine/selection/virus diseases/control/Austria
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Keywords: 1718/grapevine/fanleaf/leafroll/fleck/yellow speckle/biochemistry/Australia

- Notes:** Grapevine fanleaf virus increased the activity of B-1,3-glucan hydrolase in laminae of *Chenopodium quinoa*, yet no difference in activity in laminae were found between healthy and infected vines with fanleaf, leafroll, yellow speckle, or fleck virus examined at intervals during the season. Many infected vines showed marked leaf symptoms in autumn.
- Hegedüs, A. and Lehoczy, J.(1978). Histopathology of vascular tissue system in grapevine affected by legno riccio (rugose wood, stem pitting). *Acta Phytopathol.Acad.Scient.Hung.* **13**, 133-149.
Keywords: 1719/grapevine/legno riccio/stem pitting/rugose wood/histology/symptoms/Hungary
- Henner, J.(1966). Die "Flavescence dorée" oder "Maladie du Baco", eine neue Viruskrankheit an Reben in Westeuropa (The flavescence dorée or Baco disease, a new virus disease of grapevine in western Europe). *Pflanzenarzt* **19**, 26-27.
Keywords: grapevine/flavescence dorée/review/Austria
Notes: In German
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Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/rootstock/growth/yield/performance/Germany
- Hewitt, W.B.(1939). A transmissible disease of grapevines (Abstr.). *Phytopathology* **29**, 10
Keywords: grapevine/Pierce's disease/transmission/USA/California
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Keywords: grapevine/Pierce's disease/alfalfa dwarf/symptoms/USA/California
- Hewitt, W.B.(1941). The development and spread of Pierce's disease of grapevine (Abstr.). *Phytopathology* **31**, 862
Keywords: grapevine/Pierce's disease/spread/symptoms/USA/California
- Hewitt, W.B., Frazier, N.W., Jacob, H.E., and Freitag, J.H.(1942). Pierce's disease of grapevines. *Calif.Univ.Agr.Exp.Sta.Circ.* **(353)**, 1-32.
Keywords: grapevine/Pierce's disease/general/USA/California
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Keywords: grapevine/Pierce's disease/leafhopper/transmission/USA/California
- Hewitt, W.B.(1945). A graft-transmissible mosaic disease of grapevine. *Phytopathology* **35**, 940-942.
Keywords: grapevine/yellow mosaic/fanleaf virus/graft transmission/symptoms/USA/California
- Hewitt, W.B., Houston, B.R., Frazier, N.W., and Freitag, J.H.(1946). leafhopper transmission of the virus causing Pierce's disease of grape and dwarf of alfalfa. *Phytopathology* **36**, 117-128.
Keywords: grapevine/Pierce's disease/alfalfa dwarf/leafhopper/transmission/USA/California
- Hewitt, W.B.(1947). Maladie de Pierce de la vigne. (Pierce's disease of grapevine). *Bull.O.I.V.* **20 (199)**, 58-64.
Keywords: grapevine/Pierce's disease/general/USA/California
Notes: In French.
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Keywords: grapevine/Pierce's disease/epidemiology/roguing/control/USA/California

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Keywords: grapevine/court-noué/fanleaf/symptoms/USA/California
- Hewitt, W.B.(1950). Grapevine mosaic. *Calif.Dept.Agric.Bull.* **39**, 61
Keywords: grapevine/yellow mosaic/symptoms/USA/California
- Hewitt, W.B.(1950). Fanleaf, another vine disease found in California. *Calif.Dept.Agric.Bull.* **39**, 62-63.
Keywords: grapevine/fanleaf/symptoms/USA/California
- Hewitt, W.B.(1950). Fanleaf of grapevines in California (Abstr.). *Phytopathology* **40**, 966
Keywords: grapevine/fanleaf/symptoms/USA/California
- Hewitt, W.B.(1952). Transmission of the factor causing "white Emperor" through different grape stocks (Abstr.). *Phytopathology* **42**, 514
Keywords: grapevine/white Emperor disease/leafroll/transmission/rootstock/USA/California
- Hewitt, W.B.(1953). Some virus diseases of grapevines. *Yearbook Agr.U.S.Dept.Agric.* **1953**, 744-753.
Keywords: grapevine/Pierce's disease/fanleaf/yellow mosaic/USA/California
- Hewitt, W.B.(1954). Some virus and virus-like diseases of grapevines. *Calif.Dept.Agric.Bull.* **43**, 47-64.
Keywords: grapevine/virus diseases/virus-like diseases/fanleaf/yellow mosaic/Pierce's disease/enation disease/USA
- Hewitt, W.B.(1954). The development and spread of some virus diseases of grapevines in California vineyards. *Proc.Am.Soc.Enol.* **5**, 26-29.
Keywords: grapevine/virus diseases/survey/fanleaf/yellow mosaic/Pierce's disease/USA/California
- Hewitt, W.B. and Gifford, E.M., Jr.(1956). Symptoms for identifying fanleaf in dormant grapevines. *Calif.Dept.Agric.Bull.* **45**, 249-252.
Keywords: grapevine/fanleaf/symptoms/trabeculae/USA/California
- Hewitt, W.B.(1956). Fanleaf of grapevines is soil-borne (Abstr.). *Phytopathology* **46**, 15
Keywords: grapevine/fanleaf/soil transmission/USA/California
- Hewitt, W.B.(1956). Yellow vein, a disease of grapevines caused by a graft-transmissible agent (Abstr.). *Phytopathology* **46**, 15
Keywords: grapevine/yellow vein/graft transmission/USA/California
- Hewitt, W.B., Raski, D.J., and Goheen, A.C.(1958). Nematode vector of soil-borne fanleaf virus of grapevines. *Phytopathology* **48**, 586-595.
Keywords: grapevine/fanleaf virus/vector/transmission/nematode/Xiphinema index/USA/California
- Hewitt, W.B., Raski, D.J., and Goheen, A.C.(1958). Transmission of fanleaf virus by Xiphinema index Thorne and Allen (Abstr.). *Phytopathology* **48**, 393-394.
Keywords: grapevine/fanleaf virus/transmission/nematode/Xiphinema index/vector/USA/California
Notes: First report on the transmission of a virus by nematodes.
- Hewitt, W.B., Loomis, N.H., Overcash, J.P., and Parris, G.K.(1958). Pierce's disease virus in Mississippi and other southern states. *Pl.dis.repr.* **42**, 207-210.
Keywords: grapevine/Pierce's disease/survey/occurrence/Mississippi/USA

- Hewitt, W.B.(1958). The probable home of Pierce's disease virus. *Pl.dis.reptr.* **42**, 211-215.
Keywords: grapevine/Pierce's disease/epidemiology/USA
- Hewitt, W.B. and Goheen, A.C.(1959). Asteroid mosaic of grapevine in California (Abstr.). *Phytopathology* **49**, 541
Keywords: grapevine/asteroid mosaic/symptoms/California/USA
Notes: First description of asteroid mosaic.
- Hewitt, W.B., Goheen, A.C., Raski, D.J., and Gooding, G.V., Jr.(1962). Studies on virus diseases of the grapevine in California. *Vitis* **3**, 57-83.
Keywords: grapevine/virus diseases/fanleaf/yellow mosaic/Pierce's disease/yellow vein/enation disease/USA/California
- Hewitt, W.B. and Taylor, R.H.(1963). Serological relationship of virus isolates from grapevines with different disease symptoms (Abstr.). *Phytopathology* **53**, 878
Keywords: grapevine/fanleaf/yellow mosaic/serology/fanleaf virus/relationships/USA/California
- Hewitt, W.B.(1963). Maladies à virus des vignes de Californie. Caractéristiques, modes de propagation, identification et méthodes de lutte. Ille conférence internationale pour l'études des virus de la vigne, Lisbonne, 21-23 mai 1962. (Virus diseases of grapevine in California. Characteristics, transmission and propagation, identification and control. Illrd Internat. Conference on virus diseases of grapevine, Lisbon, 21-23-May 1962). *Bull. O.I.V.* **36 (383)**, 47-56.
Keywords: grapevine/virus diseases/virus-like diseases/survey/transmission/identification/control/spread/general/fanleaf/yellow mosaic/leafroll/enation disease/USA/California
Notes: Paper read at the Illrd OIV conference on virus diseases of grapevine. This conference was the starting point of ICSVG.
- Hewitt, W.B. and Cory, L.(1964). Inoculation of etiolated but light-treated leaves of grape with fanleaf virus (Abstr.). *Phytopathology* **54**, 895
Keywords: grapevine/fanleaf virus/mechanical transmission/etiolated leaves/transmission/USA
- Hewitt, W.B. and Raski, D.J.(1964). Some aspects of nematode transmission of plant viruses. *Tenth Internatl.Bot.Congress,Edinburgh* 93(Abstract)
Keywords: grapevine/nematode/transmission/plant/viruses/review/fanleaf/Xiphinema index
Notes: Review on nematode transmission of plant viruses, with special reference to fanleaf transmitted by Xiphinema index.
- Hewitt, W.B.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif.,USA. 117-125.
Keywords: grapevine/Pierce's disease/symptoms/histology/vector/leafhopper/host range/occurrence/USA/California/meeting/ICVG
Notes: Proc. 2nd ICSVG meeting, Davis, Calif., 6-10.9.1965.
- Hewitt, W.B.(1968). Viruses and virus diseases of the grapevine. *Rev.Appl.Mycol.* **47**, 433-455.
Keywords: grapevine/virus diseases/symptoms/occurrence/economic importance/review/USA/California
Notes: Review on present knowledge on the subject.
- Hewitt, W.B. and Cory, L.(1968). Übertragung des fanleaf virus durch Rebensamen und einige Ergebnisse des Virusnachweises in Samen (Transmission of fanleaf virus through grape seeds and some results of virus detection in seeds). *Weinberg u.Keller* **15**, 517-518.
Keywords: grapevine/fanleaf virus/seed transmission/detection/seed/USA/California/meeting/ICVG
Notes: In German. Abstract 3rd ICSVG meeting, Bernkastel-Kues, Germany, 1967.

- Hewitt, W.B., Martelli, G.P., Dias, H.F., and Taylor, R.H.(1970). Fanleaf virus of grapevine. *CMI/ABB Descriptions of Plant Viruses* 1-4.
Keywords: 1733/grapevine/fanleaf virus/description/properties
- Hewitt, W.B.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, Calif.,USA. 196-200.
Keywords: grapevine/Pierce's disease/symptoms/host range/economic importance/vector/leafhopper/USA/California/handbook
- Hewitt, W.B.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, Calif.,USA. 246
Keywords: grapevine/spindle shoot/USA/California
- Hewitt, W.B.(1970). Connaissances actuelles sur les viroses de la vigne. Répartition géographique, symptômes, propriétés des virus, mode de transmission (Present knowledge on grapevine virus diseases. Geographical distribution, symptoms, properties of viruses, transmission). *Progr.Agric.Vitic.* **87**, 282-292.
Keywords: grapevine/virus diseases/symptoms/geographical distribution/transmission/USA/California/review
Notes: In French.
- Hewitt, W.B.(1971). *Problems of viticulture*. (Nedelchev, N., Ed.) Zemizdat, Sofia, Bulgaria. 276-280.
Keywords: 1725
- Hewitt, W.B.(1971). Les maladies à virus de la vigne: symptômes, mode de dissémination et répartition géographique (Virus diseases of grapevine: symptoms, mode of spread and geographic distribution). *Bull.OIV* **44(480)**, 97-125.
Keywords: 1726/grapevine/virus diseases/virus-like diseases/symptoms/spread/geographic distribution/review/California/USA
Notes: A review.
- Hewitt, W.B. and Neja, R.(1971). Grapevine bark and wood pitting disease found in California. *Plant Dis.Reptr.* **55**, 860-861.
Keywords: 1734/grapevine/stem pitting/stem grooving/rugose wood/occurrence/symptoms/California/USA
- Hewitt, W.B., Goheen, A.C., Cory, L., and Luhn, C.F.(1972). Grapevine fleck disease, latent in many varieties, is transmitted by graft inoculation. *Ann.Phytopathol.* **No. hors série**, 43-47.
Keywords: 1732/grapevine/fleck/graft transmission/latent/California/USA
Notes: Characterization of fleck disease
- Hewitt, W.B.(1973). *Proceedings Simposio Internacional Viticultura, Mexico, Oct. 1973* (Anonymous)140-141.
Keywords: 1727
Notes: Recent development in virus diseases of the grapevine, mycoplasma-like and rickettsia-like organisms
- Hewitt, W.B.(1973). Advances on virus and viruslike diseases of grapevine: viruses, mycoplasma-like and rickettsia-like organisms. *Riv.Patol.Veg.,Ser.IV* **9(3)**, 218-226.
Keywords: 1728/grapevine/virus diseases/virus-like diseases/mycoplasma-like organisms/rickettsia-like organisms/review/California/USA
- Hewitt, W.B.(1975). Graft transmission of a grapevine wood pitting and a flat trunk disease. *Plant Dis.Reptr.* **59**, 845-848.
Keywords: 1729/grapevine/stem pitting/stem grooving/rugose wood/flat trunk/graft transmission/California/USA

- Hewitt, W.B.(1978). On the origin and distribution of virus and virus-like diseases of the grapevine. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 3-5.
Keywords: 1730/grapevine/virus diseases/virus-like diseases/general/geographic distribution/review/California/USA
Notes: Opening lecture to session I of the 6th meeting of ICVG, 1976.
- Hewitt, W.B.(1978). Improving vineyards. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 353-359.
Keywords: 1731/grapevine/virus diseases/virus-like diseases/control/sanitary selection/heat therapy/indexing/multiplication/performance/virus-free material/nematodes/vectors/replanting/fallow/California/USA
Notes: Introduction and discussion on grapevine sanitary selection, testing of improved clones, multiplication of healthy material, performance of this material in the vineyard and re-invasion by nematode vectors and viruses.
- Hewitt, W.B. and Bovey, R.(1979). The viroses and virus-like diseases of the grapevine. A bibliographic report, 1971-1978. *Vitis* **18**, 316-376.
Keywords: 2441/grapevine/viruses/mycoplasma-like organisms/virus diseases/virus-like diseases/bibliography/USA/Switzerland
- Hewitt, W.B. and Rives, M.(1979). On the preservation and use of the genetic resources in the genus *Vitis*. *Ann.Amélior.Plantes* **29**, 515-522.
Keywords: 2442/grapevine/genetic resources/USA/France
- Hewitt, W.B.(1980). Vineyard health and the scientist: Virologist, pathologist, nematologist: An essay. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 3-7.
Keywords: 2439/grapevine/virus diseases/virus-like diseases/review/USA
- Hewitt, W.B.(1985). From virus-like to virus diseases of grapevines: some unresolved problems including immunity and ideas for researching them. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 1-7.
Keywords: 2440/grapevine/virus diseases/virus-like diseases/review/USA
- Heyd, J.C.H.(1975). La transmission des virus GFV, AMV, SLRV de la vigne et du framboisier par nématodes *Xiphinema COBB* (Transmission of fanleaf, arabis mosaic and strawberry latent ringspot viruses by nematodes *Xiphinema COBB*.). *Mémoire de fin d'études présenté à l'E.N.I.T.A.,Angers* 1-98.
Keywords: 1735/grapevine/fanleaf virus/arabis mosaic virus/strawberry latent ringspot virus/transmission/nematodes/vectors/*Xiphinema*/France
Notes: Stage effectué à la Station de Pathologie Végétale de Colmar.
- Heyns, A.J.(1976). Progress in the production of improved plant material. *Deciduous Fruit Grower* **26**, 216-220.
Keywords: 1736/grapevine/selection/virus elimination/indexing/review
Notes: Outline of the progress made in the elimination of viruses from selected clones of grapevine.
- Héritier, J.(1983). Présence probable de la flavescence dorée dans l'Aude (Probable presence of flavescence dorée in Aude). *Progr.Agric.Vitic.* **100**, 512-513.
Keywords: 2438/grapevine/flavescence dorée/occurrence/France
- Hévin, M., Gazeau, J.P., Leclair, P., and Rives, M.(1973). Enation symptoms found in France. *Riv.Patol.Veg.,Ser.IV* **9(3)**, 251-252.
Keywords: 1720/grapevine/enation/France
Notes: Des symptômes d'énation ont été observés dans des vignobles de l'Aude sur plusieurs

cépages. Le greffage-indexage en vert sur Rupestris du Lot a induit dans un cas des symptômes de marbrure et dans un autre cas des "ringspots".

Hévin, M., Leclair, P., and Rives, M.(1973). Green-grafting as a quick and secure method for graft-indexing viruses in the grapevine. *Riv.Patol.Veg.,Ser.IV* **9 {3}**, 277-278.

Keywords: 1721

Notes: La technique de greffage en vert utilisée avec succès à Bordeaux est décrite. Elle permet l'apparition des symptômes de marbrure et de fanleaf sur Rupestris du Lot 20 à 30 jours après le greffage. Dans le cas de l'enroulement, les symptômes sur l'indicateur Merlot apparaissent à l'automne de l'année même du greffage

Hévin, M., Ottenwaelter, M.M., Doazan, J.P., and Rives, M.(1973). Investigating the transmission of marbrure and fanleaf through the seed in the grapevine. *Riv.Patol.Veg.,Ser.IV* **9(3)**, 253-258.

Keywords: 1724/grapevine/fleck/fanleaf virus/seed transmission/research results/France

Notes: Des pépins récoltés en fécondation libre sur des souches de 4 cépages, reconnues porteuses de marbrure ou de court-noué, ont été semés et 145 descendants ont été indexés par greffage avec Rupestris du Lot. Aucun d'eux ne s'étant révélé virosé, on conclut à la non-transmission de ces deux viroses par la graine.

Hévin, M., Moutous, G., and Fos, A.(1978). Transmission de la Flavescence dorée par greffage en vert et présence du "corky bark" sur un cépage corse {Nielluccio}. *Scaphoideus littoralis* BALL., vecteur possible de cette maladie (Transmission of flavescence dorée by green grafting and presence of corky bark in a Corsican cultivar (Nielluccio). *Scaphoideus littoralis* as a possible vector of corky bark. *Connaiss.Vigne et Vin* **12**, 79-86.

Keywords: 1722/grapevine/flavescence dorée/corky bark/transmission/green grafting/Scaphoideus littoralis/vector/leafhopper/France

Notes: From vines showing atypical symptoms of Flavescence dorée, a disease has been transmitted to the indicator LN 33, giving symptoms similar to those of corky bark. Experiments for testing the transmissibility of corky bark by *Scaphoideus littoralis* are under way.

Hévin, M., Moutous, G., Fos, A., and Rives, M.(1978). La transmission de la Flavescence dorée par la greffe en vert est facile et suggère que cette maladie est distincte du corky bark (Transmission of flavescence dorée by green grafting is easy, suggesting that this disease is distinct from corky bark). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 227-229.

Keywords: 1723/grapevine/flavescence dorée/transmission/green grafting/France

Notes: Transmission of Flavescence dorée by green grafting.

Hidalgo, L.(1974). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport espagnol (Present state of sanitary and clonal selection. Methods and results. Distribution of selected material. Spanish report). *Bull.OIV* **47(520)**, 475-485.

Keywords: 1737/grapevine/clonal selection/sanitary selection/Spain

Hirschmann, H., Paschalaki-Kourtzi, N., and Triantaphyllou, A.C.(1966). A survey of plant parasitic nematodes in Greece. *Ann.Inst.Phytopathol.Benaki* **7**, 144-156.

Keywords: 1738/grapevine/nematodes/Xiphinema index/Xiphinema americanum/Greece

Notes: *Xiphinema americanum*, *X. sp.*, and *X. index* were found in the soil of grape vineyards in 1960

Hobl, H.(1969). Erster Bericht über das Vorkommen von Arten der Gattung *Xiphinema* und *Longidorus* (Nematoda) in niederösterreichischen Weinbergsböden (First report on the occurrence of species of the genus *Xiphinema* and *Longidorus* in vineyard soils of low Austria). *Mitt.Klosterneuburg* **19**, 180

Keywords: grapevine/nematode/Xiphinema/Longidorus/occurrence/Austria

Notes: In German.

- Hoeffert, L.L. and Gifford, E.M.Jr.(1964). Growth in vitro of excised stem tips of *Vitis vinifera*. *Amer.J.Bot.* **51**, 667
Keywords: grapevine/in vitro culture/shoot tip/*Vitis vinifera*/USA/growth/in vitro/*Vitis*
Notes: Abstract
- Hoeffert, L.L.(1965). *Anatomical effects of the leafroll virus in Vitis vinifera L. (Ph. D. Thesis).*, University of California, Davis, Calif., USA.
Keywords: grapevine/leafroll/symptoms/anatomy/histology/*Vitis vinifera*/USA/California/thesis
- Hoeffert, L.L. and Gifford, E.M.Jr.(1967). Trabeculae in the grapevine infected with leafroll virus. *Amer.J.Bot.* **54**, 257-261.
Keywords: grapevine/leafroll/trabeculae/symptoms/USA/California
- Hoeffert, L.L. and Gifford, E.M.Jr.(1967). Grapevine leafroll virus -- History and anatomical effects. *Hilgardia* **38**, 403-428.
Keywords: grapevine/leafroll/symptoms/anatomy/histology/historical record/geographical distribution/USA/California
- Hofmann, E.L.(1984). Untersuchungen über die Blattrollkrankheit und die Frührotverfärbung bei Klonen der Sorte "Blauer Spätburgunder" (Research on grapevine leafroll and on the early reddening of clones of Pinot noir). *Wein-Wiss.* **39**, 16-29.
Keywords: 2443/grapevine/leafroll/symptoms/mineral deficiency/Germany
- Hohlov, V.I.(1983). *Virus and Mycoplasma-like Diseases of Fruit Trees, Small Fruit and Grapevine.* (Verderevskaya, T.D., Ed.) Moldavian Research Institute of Horticulture, Kishinev, Fructovaja 14, Moldavia (161 pp). 58-63.
Keywords: 2766/grapevine/virus diseases/virus-like diseases/USSR
- Hopkins, D.L. and Mortensen, J.A.(1971). Suppression of Pierce's disease symptoms by tetracycline antibiotics. *Plant Dis.Reptr.* **55**, 610-612.
Keywords: 1746/grapevine/Pierce's disease/antibiotics/control/Florida/USA
- Hopkins, D.L. and Mollenhauer, H.H.(1973). Rickettsia-like bacterium associated with Pierce's disease of grapes. *Science* **179**, 298-300.
Keywords: 1743/grapevine/Pierce's disease/rickettsia-like organisms/etiology/Florida/USA
- Hopkins, D.L., Mortensen, J.A., and Adlerz, W.C.(1973). Protection of grapevines from Pierce's disease with tetracycline antibiotics. *Phytopathology* **63**, 443-Abstract
Keywords: 1748/grapevine/Pierce's disease/control/antibiotics/Florida/USA
- Hopkins, D.L., Mollenhauer, H.H., and Mortensen, J.A.(1974). Tolerance to Pierce's disease and the associated rickettsia-like bacterium in muscadine grape. *J.Amer.Soc.Hort.Sci.* **99**, 436-439.
Keywords: 1745/grapevine/Pierce's disease/variatal sensitivity/muscadine/rickettsia-like organisms/Florida/USA
- Hopkins, D.L. and Mortensen, J.A.(1974). Pierce's disease on muscadine grapes. *Proc.Amer.Phytopathol.Soc.* **1**, 160-Abstract
Keywords: 1747/grapevine/Pierce's disease/muscadine/symptoms/Florida/USA
- Hopkins, D.L. and Mollenhauer, H.H.(1975). Tylose and gum formation in the xylem of Pierce's disease infected grapevines. *Proc.Amer.Phytopathol.Soc.* **2**, 65-Abstract
Keywords: 1744/grapevine/Pierce's disease/symptoms/histology/Florida/USA
- Hopkins, D.L.(1976). Effect of tetracycline antibiotics on the development of Pierce's disease of grapevine. *Proc.Amer.Phytopathol.Soc.* **3**, 259-Abstract
Keywords: 1739/grapevine/Pierce's disease/antibiotics/control/Florida/USA

- Hopkins, D.L.(1977). Diseases caused by leafhopper-borne, rickettsia-like bacteria. *Ann.Rev.Phytopathol.* **15**, 277-294.
Keywords: 1740
- Hopkins, D.L.(1978). Comparisons of Florida isolates of the Pierce's disease bacterium. *3rd Internat.Congr.Plant Pathol.,Munich (Germany)* 62-Abstract
Keywords: 1741/grapevine/Pierce's disease/bacterium/Florida/USA
- Hopkins, D.L.(1978). Pierce's disease of grapevine. Effects of oxytetracycline treatments on the rate of disease development in Florida. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 217-222.
Keywords: 1742/grapevine/Pierce's disease/antibiotics/control/Florida/USA
Notes: Soil drenching with 50 or 100 ppm with the antibiotic compound, once or twice per week delayed disease symptoms as much as 1 to 2 years.
- Hopkins, D.L.(1979). Effects of tetracycline antibiotics on Pierce's disease of grapevine in Florida. *Proc.Fla.State.Hort.Soc.* **92**, 284-285.
Keywords: 2444/grapevine/Pierce's disease/antibiotics/control/Florida/USA
- Hopkins, D.L.(1979). Seasonal concentrations of bacterial plugs in grapevines severely infected with the Pierce's disease bacterium. *Phytopathology* **69**, 528-Abstract
Keywords: 2445/grapevine/Pierce's disease/bacterium/Florida/USA
- Hopkins, D.L.(1980). Use of the pin-prick inoculation technique to demonstrate variability in virulence of the Pierce's disease bacterium. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 177-180.
Keywords: 2446/grapevine/Pierce's disease/bacterium/virulence/inoculation/Florida/USA
- Hopkins, D.L. and Adlerz, W.C.(1980). Similarities between citrus blight and Pierce's disease of grapevine. *Proc.Fla.State.Hort.Soc.* **93**, 18-20.
Keywords: 2454/grapevine/Pierce's disease/etiology/citrus/Florida/USA
- Hopkins, D.L.(1981). Seasonal concentration of the Pierce's disease bacterium in grapevine stems, petioles, and leaf veins. *Phytopathology* **71**, 415-418.
Keywords: 2447/grapevine/Pierce's disease/bacterium/Florida/USA
- Hopkins, D.L. and Thompson, C.M.(1981). Multiplication of virulent and avirulent Pierce's disease bacterial isolates in grapevine tissue. *Proc.5th Intern.Conf.on Plant Pathogenic.Bacteria,Cali,Colombia,1981* 225-234.
Keywords: 2454/grapevine/Pierce's disease/strains/virulence/Colombia/USA
- Hopkins, D.L.(1982). Variability in virulence of the bacterium causing Pierce's disease of grapevine. *Phytopathology* **72**, 1001-Abstract
Keywords: 2448/grapevine/Pierce's disease/bacterium/virulence/Florida/USA
- Hopkins, D.L.(1982). Relation of Pierce's disease to a wild-type disease in citrus in the greenhouse. *Phytopathology* **72**, 1090-1092.
Keywords: 2449/grapevine/citrus/Pierce's disease/bacterium/relationships/Florida/USA
- Hopkins, D.L.(1983). Gram-negative, xylem-limited bacteria in plant diseases. *Phytopathology* **73**, 347-350.
Keywords: 2450/grapevine/Pierce's disease/etiology/review/general/USA
- Hopkins, D.L.(1984). Plant hormones affect the development of Pierce's disease in grapevine. *Phytopathology* **74**, 628-Abstract
Keywords: 2451/grapevine/Pierce's disease/plant hormones/symptoms/Florida/USA

- Hopkins, D.L.(1984). Variability of virulence in grapevine among isolates of the Pierce's disease bacterium. *Phytopathology* **74**, 1395-1398.
Keywords: 2452/grapevine/Pierce's disease/virulence/strains/Florida/USA
- Hopkins, D.L. and Thompson, C.M.(1984). Seasonal concentration of the Pierce's disease bacterium in 'Carlos' and 'Welder' muscadine grapes compared with 'Schuyler' bunch grape. *HortScience* **19**, 419-420.
Keywords: 2455/grapevine/muscadine/Vitis rotundifolia/Vitis labrusca/Pierce's disease/bacterium/Florida/USA
- Hopp, H.(1963). Die Bedeutung der Rebvirosen für die Pflanzengutproduktion. (Importance of grapevine virus diseases for nursery production). *Wein-Wiss.* **18**, 603-612.
Keywords: virus diseases/economic importance/nursery/Germany/grapevine/virus
Notes: In German
- Hopp, H.(1966). Augenblicklicher Stand der Bodenentseuchung gegen Nematoden (Present status of soil disinfection methods against nematodes). *Wein-Wiss.* **24**, 191-200.
Keywords: nematode/soil fumigation/control/Germany
Notes: In German.
- Hopp, H.(1982). Vergilbungskrankheit des Typs Schwarzholz nun auch im südbadischen Weinbau (Yellows of the blackwood type is now also present in vineyards of southern Bade). *Bad.Winzer* **(2)**, 47-53.
Keywords: 2456/grapevine/bois noir/blackwood/occurrence/Germany
- Houston, B.R., Esau, K., and Hewitt, W.B.(1946). The mode of vector feeding and the tissue involved in the transmission of Pierce's disease virus in grape and alfalfa (Abstr.). *Phytopathology* **36**, 401-402.
Keywords: grapevine/Pierce's disease/alfalfa
dwarf/vector/alfalfa/feeding/tissue/leafhopper/USA/California
- Houston, B.R., Esau, K., and Hewitt, W.B.(1947). The mode of vector feeding and the tissues involved in the transmission of Pierce's disease virus in grape and alfalfa. *Phytopathology* **37**, 247-253.
Keywords: grapevine/Pierce's disease/alfalfa
dwarf/transmission/leafhopper/alfalfa/feeding/vector/tissue/USA/California
- Hrcek, L.(1973). Results of a visual determination of grapevine virus diseases in Slovenia.(In Slovenian, Eng., Germ. sum.). *Zb.Biotechn.Fak.Univ.Ljubljani* **21**, 225-229.
Keywords: 1749/grapevine/visual selection/performance/Slovenia
- Hrcek, L.(1974). Problèmes posés par les maladies à virus en viticulture. *Sobodno kmetijstvo (Ljubljana)* **12**, 603-606.
Keywords: 1750/grapevine/virus diseases/general/Slovenia
- Hrcek, L. and Korosec, Z.(1976). Effect of virus diseases on the yield and quality of wine grapevines. (In Slovenian). *Zb.Biotechn.Fak.Univ.Ljubljani* **28**, 111-117.
Keywords: 1751/grapevine/virus diseases/virus-like diseases/economic importance/Slovenia
Notes: Plants showing fanleaf or leafroll symptoms gave lower yields of poorer quality grapes than symptomless plants. (Published 1977).
- Hrcek, L. and Korosec, Z.(1977). Economic importance of grapevine virus diseases. (In Serbo-Cr.). *Savjetovanje o ekscoriozi i virusnim bolestima vinove loze (Proc.Conf.on Excoriosis and Virus Diseases of Grapevine) Hepok,Mostar (Yugosl.)* 131-137.
Keywords: 1752/grapevine/fanleaf/economic importance/Yugoslavia
Notes: The yield of healthy and fanleaf-infected vines has been recorded for 3 years. Considerable and significant differences have been observed between the 2 groups.

- Hrcek, L. and Korosec, Z.(1978). Economic aspects of virus diseases of grapes. *Jugoslov. Vinogradar i Vinar.* **12**, 15-18.
Keywords: 2172/grapevine/virus diseases/virus-like diseases/economic importance/Yugoslavia
- Hrzic, A.(1978). Contribution to the knowledge of the nematofauna of vineyard soil in Slovenia. Nematodes of the Xiphinema species. *Zasht.Bilja (Plant Protection)* **29**, 387-396.
Keywords: 2173/grapevine/nematodes/Xiphinema/Slovenia
- Huglin, P.(1971). Orientation souhaitée par les experts dans la recherche virologique, l'information et la réglementation. *Bull.OIV* **44(481)**, 197-206.
Keywords: 1753/grapevine/virus diseases/virus-like diseases/review/research results/certification/France
- Huglin, P., Guillot, R., Valat, C., and Vuittenez, A.(1980). L'évaluation génétique et sanitaire du matériel clonal de la vigne (Genetical and sanitary evaluation of clonal grapevine material). *Bull.OIV* **53**, 857-882.
Keywords: 2457/grapevine/clonal selection/sanitary selection/sanitary state/virus-free material/review/France
- Ikin, R.(1975). The establishment of Australian repositories for virus- tested fruit varieties. *Commonwealth Dept.Health,Canberra* 1-12.
Keywords: 1754/grapevine/selection/virus elimination/multiplication/virus-free material/certification/Australia
Notes: Details on formation, organization, operation, and objectives in the establishment of repositories for fruits and grapevines. State Departments of Agriculture will use material for release to industry.
- Ikin, R.(1978). Accession list of virus-tested fruit varieties in Australia. *6th Ed.Dept.Health Plant Quarant.,Canberra* 1-35.
Keywords: 1755/grapevine/virus-tested material/list/Australia
Notes: A complete list of virus-tested grapevine clones in Australia, and those clones in the fruit variety foundation scheme.
- Ikin, R.(1980). *Accession list of virus tested fruit varieties in Australia.*, 7 edition. Department of Health and Plant Quarantine, Canberra, Australia.
Keywords: 2458/grapevine/virus-tested material/certification/Australia
- Imada, J. and Narisawa, N.(1984). Detection of grapevine fanleaf virus by enzyme-linked immunosorbent assay.(In Japanese, Eng. sum.). *Bull.Fruit.Tree Research Station (Akitsu)* **Ser.E, 5**, 71-76.
Keywords: 2459/grapevine/fanleaf virus/serology/detection/ELISA/Japan
- Imbroglini, G. and Leandri, A.(1980). Distruzione delle radici con diserbanti nel reimpianto di vigneti virosati (Destruction of roots with herbicides before replanting virus-infected vineyards). *Ann.Ist.Sper.Patol.Veg.Roma* **5**, 15-20.
Keywords: 2460/grapevine/fanleaf/rootstock/control/weed killer/replanting/Italy
- Iri, M., Shimura, T., Togawa, H., and Ueno, K.(1982). Elimination of grapevine viruses by meristem tip culture. *Proc.5th Intl.Congr.Plant Tissue & Cell Culture "Plant Tissue Culture 1982",Tokyo* 807-808.
Keywords: 2461/grapevine/leafroll/virus elimination/meristem tip culture/Japan
- Iri, M., Shimura, T., Togawa, H., and Ueno, K.(1982). Elimination of grapevine leafroll virus by heat treatment and meristem tip culture. *Ann.Phytopathol.Soc.Japan* **48**, 685-687.
Keywords: 2462/grapevine/leafroll/meristem tip culture/heat therapy/comparison/Japan
Notes: Grapevine leafroll was eliminated more successfully by meristem tip culture than by heat therapy.

- Ivanov, J., Valtchev, V., Abracheva, P., and Malénine, I.(1975). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport bulgare (Clonal and sanitary selection. Methods and results. Distribution of selected material. Bulgarian report). *Bull.OIV* **48(31)**, 430-442.
Keywords: 1756/grapevine/clonal selection/sanitary selection/methods/certification/Bulgaria
- Jacob, H.(1977). Vorkommen und Nachweis eines Potyvirus in Reben (Identification of a potyvirus in grapevines). *Phytopathol.Z.* **88**, 85-90.
Keywords: 1757/grapevine/potyvirus/mechanical transmission/serology/Germany
Notes: Isolation and demonstration of a potyvirus by biological, serological and electron microscopical means is reported. The virus was present in grapes showing symptoms of either grapevine fanleaf or yellow mosaic virus mechanically transmitted to *Nicotina glutinosa* and *Solanum demissum* "A6".
- Jako, N., Lehoczy, J., and Sarospataki, G.(1966). Studies on the nitrogen metabolism of vine infected with yellow mosaic virus. *Acta Phytopathol.Acad.Sci.Hung.* **1**, 185-192.
Keywords: grapevine/virus/yellow mosaic/physiology/nitrogen/Hungary
- Jako, N., Muranyi, I., Sarospataki, G., and Lehoczy, J.(1968). The change of pigments and sugar content in the chrome mosaic virus infected leaves of grapevine. *Acta Phytopathol.Acad.Sci.Hung.* **3**, 165-173.
Keywords: grapevine/chrome mosaic/physiology/symptoms/Hungary
- Jako, N.(1983). Erzeugung symptomfreier Pflanzen aus Triebspitzenmeristem blattrollkranker Stöcke bei *Vitis vinifera* L. cv. Blauer Burgunder (Obtaining symptom-free plants from meristem tip culture of leafroll-diseased *Vitis vinifera* L. Pinot noir). *Mitt.Klosterneuburg* **33**, 15-17.
Keywords: 2463/grapevine/meristem tip culture/leafroll/virus elimination/Hungary
- Jankulova, M.(1970). Nachweis des Tabakmosaik-Virus an der Rebe in Bulgarien (Detection of tobacco mosaic virus in grapevines in Bulgaria). *Dokl.Akad.Sel'khoz.Nauk.Bolg.(C.R.Acad.Sci.Agric.Bulgaria)* **3(2)**, 123-130.
Keywords: 1758/grapevine/tobacco mosaic virus/occurrence/Bulgaria
- Jankulova, M.(1976). Investigations on the grapevine fanleaf virus (GFLV).(In Bulgarian, Eng. sum.). *Rastitelnozasht.Nauka (Plant.Protect.Science)* **4**, 11-22.
Keywords: 1759/grapevine/fanleaf virus/strains/transmission/herbaceous hosts/serology/Bulgaria
Notes: Nine isolates of GFLV from diseased and apparently normal grapevines were inoculated to herbaceous hosts, physical properties determined, and viruses serologically identified.
- Jankulova, M.(1977). *Virusni i mikoplazmeni bolesti po kulturnite rastenia.* (Kovatchevski, A.e.al., Ed.) Zemizdat, Sofia, Bulgaria. 14-19.
Keywords: 1760/grapevine/virus diseases/virus-like diseases/mycoplasma-like organisms/general/Bulgaria
- Jankulova, M. and Kaitasova, P.(1978). New viruses isolated from grapevine in Bulgaria.(In Bulgarian). *Vnedreni novosti* **9**, 7-13.
Keywords: 1762/grapevine/arabis mosaic virus/broadbean wilt virus/alfalfa mosaic virus/tomato bushy stunt virus/Bulgarian latent virus/artichoke Italian latent virus/occurrence/Bulgaria
Notes: Arabis mosaic, broad bean wilt, alfalfa mosaic, tomato bushy stunt, Bulgarian latent and artichoke Italian latent viruses have been found recently in grapevines in Bulgaria
- Jankulova, M., Savino, V., Gallitelli, D., Quacquarelli, A., and Martelli, G.P.(1978). Isolation of Artichoke Italian latent virus from the grapevine in Bulgaria. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricultura,Madrid* 143-147.
Keywords: 1763/grapevine/artichoke Italian latent virus/occurrence/properties/symptoms/Bulgaria
Notes: Symptoms like fanleaf, extended herbaceous host range, virus is characterized physically,

single stranded RNA, not serologically related to some 26 viruses of similar nature, positive serologically with AILV.

Jankulova, M., Eskenazy, M., Bakardzhieva, N., and Georgieva, P.(1982). ELISA for the quantitative determination of grapevine fanleaf virus. *Z.Pflanzenkrankh.Pflanzensch.* **89**, 18-29.

Keywords: 2464/grapevine/fanleaf virus/serology/detection/ELISA/Bulgaria

Jaquinet, A.(1978). Anomalies dans la morphologie du rameau de *Vitis vinifera*: origine physiologique ou pathologique ? (Morphological abnormalities of *Vitis vinifera* shoots: physiological or pathological origin ?). *Ile Symposium International sur l'Amélioration de la Vigne,Bordeaux.* 51-57.

Keywords: 2174/grapevine/court-noué/fanleaf/symptoms/double nodes/fasciations/morphology/physiology/abnormal/Switzerland

Notes: Double nodes, short internodes and fasciations can be caused by viruses (nepoviruses), but they can also be due to physiological causes.

Jimenez, F.(1980). *Resistance to fanleaf among grape cultivars and Vitis species.*, PhD Thesis,University of California, Davis, California 95616, USA.

Keywords: 2465/grapevine/fanleaf/serology/ELISA/detection/resistance/California/USA

Jimenez, F. and Goheen, A.C.(1980). The use of enzyme-linked immunosorbent assay for detection of grape fanleaf virus. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 283-291.

Keywords: 2466/grapevine/fanleaf virus/detection/serology/ELISA/California/USA

Jolly, C.(1980). *Recherche de méthodes d'isolement et de caractérisation de l'agent infectieux de la flavescence dorée de la vigne (Research on methods for isolating and characterizing the infectious agent of grapevine flavescence dorée).*, PhD thesis, University of Dijon, Dijon, France.

Keywords: 2467/grapevine/flavescence dorée/mycoplasma-like organisms/purification/properties/France

Kahn, R.P., Hewitt, W.B., Goheen, A.C., Wallace, J.M., Roistacher, C.N., Neuve, E.M., Brierley, P., Cochran, L.C., Monroe, R.L., Ackermann, W.L., Creech, J.L., Seaton, G.A., and Schoen, J.(1963). Detection of viruses in foreign plant introductions under quarantine in the United States. *Pl.dis.reptr.* **47**, 261-265.

Keywords: viruses/virus-like diseases/quarantine/detection/USA

Kahn, R.P., Monroe, R.L., Hewitt, W.B., Goheen, A.C., Wallace, J.M., Roistacher, C.N., Nauer, E.M., Ackerman, W.L., Winters, H.F., Seaton, G.A., and Pifer, W.A.(1967). Incidence of virus detection in vegetatively propagated plant introductions under quarantine in the United States, 1957-1967. *Pl.dis.reptr.* **51(9)**, 715-719.

Keywords: viruses/quarantine/detection/USA

Kahn, R.P., Waterworth, H.E., Gillapsie, A.G., Jr., Foster, J.A., Goheen, A.C., Monroe, R.L., Povich, W.L., Mock, R.G., Luhn, C.F., Calavan, E.C., and Roistacher, C.N.(1979). Detection of viruses or virus-like agents in vegetatively propagated plant importations under quarantine in the United States, 1968-1978. *Plant Dis.Reptr.* **63**, 775-779.

Keywords: 2468/grapevine/indexing/quarantine/USA

Notes: Tests were made at Davis, California, on 409 grapevine introductions from 27 countries. 264 (65%) were positive for one or several of viruses or virus-like diseases under investigation.

Kaisyn, F.V., Lemanova, N.B., and Marinesku, V.G.(1980). Chronic diseases of grapevine and measures of mass and sanitary selection (In Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **35(8)**, 31-33.

Keywords: 2469/grapevine/selection/sanitary selection/virus diseases/virus-like diseases/Moldavia

- Kaisyn, F.V. and Marinesku, V.G.(1982). Clonal and sanitary selection of grapevine. (In Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **37**, 26-29.
Keywords: 2470/grapevine/clonal selection/sanitary selection/Moldavia
- Kalasjan, J.A., Litvak, L.A., and Marinesku, V.G.(1979). Tubuläre Strukturen in Geweben der Weinrebe nach Infektion mit dem Virus der Reisigkrankheit (grapevine fanleaf virus)(Tubular structures in grapevine tissues after infection with fanleaf virus). *Arch.Phytopathol.Pflanzenesch.* **15**, 373-376.
Keywords: 2471/grapevine/fanleaf virus/ultrastructure/Moldavia
- Kalasjan, J.A.(1980). *Virus, Mycoplasma-like and Bacterial Diseases of Fruit Trees and Grapevine. (In Russian)*. (Verderevskaya, T.D., Ed.) Moldavian Research Institute of Horticulture, Kishinev, Fructovaja 14, Moldavia. Printing House Reclama (172 pp). 39-47.
Keywords: 2765/grapevine/yellow mosaic/electron microscopy/ultrastructure/Moldavia
- Kaloostian, G.H., Pollard, H.N., and Turner, W.F.(1962). Leafhopper vectors of Pierce's disease in Georgia. *Pl.dis.reptr.* **46**, 292
Keywords: grapevine/Pierce's disease/vector/leafhopper/Georgia/USA
- Kawakami, T. and Uematsu, H.(1980). Studies on the tasteless fruit of the Koschu grapevines. *J.Agricult.Sci.Japan* **24**, 271-280.
Keywords: 2472/grapevine/ajinashika disease/leafroll/Japan
- Kearns, C.G. and Mossop, D.W.(1984). Detection of nepoviruses of *Vitis vinifera* in New Zealand using enzyme-linked immunosorbent assay (ELISA). *N.Z.J.Agricult.Res.* **27**, 431-435.
Keywords: 2473/grapevine/nepoviruses/detection/ELISA/New Zealand
- Kissock, M.(1964). Two important virus diseases of grapevines in New Zealand. *N.Z.J.Agricult.* **108(4)**, 332-339.
Keywords: 1405/grapevine/virus diseases/virus-like diseases/New Zealand
- Kliewer, W.M. and Lider, L.A.(1976). Influence of leafroll virus on composition of Burger fruits. *Amer.J.Enol.Viticult.* **27**, 118-124.
Keywords: 1764/grapevine/leafroll/biochemistry/quality/Australia
Notes: Biochemical changes found in grapevine infected with leafroll.
- Klingler, J. and Zwicky, P.(1981). Wiederauftreten von Nematoden der Gattung Xiphinema und von Nematodenübertragenen Viruserkrankheiten an Reben nach Bodenbehandlung und Brache (New occurrence of nematodes of the genus Xiphinema and of nematode-transmitted virus diseases on grapevine after soil disinfection and fallow). *Mitt.Klosterneuburg* **31**, 89-97.
Keywords: 2475/grapevine/fanleaf/nematode/vector/Xiphinema/soil disinfection/fallow/Switzerland
- Klingler, J., Guentzel, O., and Kunz, P.(1983). Xiphinema- und Longidorus-Arten (Nematoda) im schweizerischen Mittelland (Xiphinema and Longidorus nematode species in German speaking Switzerland). *Vierteljahrschr.Naturforsch.Gesellsch.Zürich* **128(2)**, 89-114.
Keywords: 2474/grapevine/Longidoridae/Xiphinema/Switzerland
- Kobayashi, T., Kawai, A., Nishio, T., and Matsunami, M.(1980). Detection of grapevine fanleaf virus and arabis mosaic virus in grapevines introduced from Europe into Japan.(In Japanese, Germ. sum.). *Res.Bull.Plant Protection Service,Japan* **16**, 49-57.
Keywords: 2476/grapevine/fanleaf virus/arabis mosaic virus/quarantine/indexing/Japan
- Koblet, W.(1973). Viruskontrolle und Bodendesinfektion (Zusammenfassung). (Virus control and soil disinfection (Summary). *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 177-179.
Keywords: 1765/grapevine/fanleaf/soil disinfection/DD/replanting/Switzerland

Notes: A description of the condition of vines in an old vineyard soil, after replanting, and methods of soil treatment.

Koblet, W. and Klingler, J.(1978). Influence of soil treatment, nematodes and virus symptoms on grapevines. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 303-304.

Keywords: 1766/grapevine/fanleaf/soil disinfection/nematicide/DD/symptoms/fallow/Xiphinema vuittenezi/Switzerland

Koeher, F.G., Valenzuela, J.B., and Villalobos, A.P.(1976). Algunos problemas nutricionales y causados per virus en la vid (A few nutitional problems caused by grapevine viruses). *Agricultura Técnica (Chile)* **27(1)**, 1-8.

Keywords: 1767/grapevine/virus diseases/virus-like diseases/nutrition/Chile

Korosec, S.(1979). Possibilities of supplying virus-free grapevine planting material (In Slovenian). *Sodobno Kmetijstvo* **12(1)**, 32-34.

Keywords: 2484/grapevine/virus-free material/Yugoslavia

Kosakovskaya, O.I.(1980). *Virus, Mycoplasma-like and Bacterial Diseases of Fruit Trees and Grapevine.* (Verderevskaya, T.D., Ed.) Moldavian Research Institute of Horticulture, Kishinev, Fructovaja 14, Moldavia. Publishing House Reclama (172 pp). 51-54.

Keywords: 2765/grapevine/viruses/detection/identification/serology/Moldavia

Kosakovskaya, O.I.(1983). *Virus and Mycoplasma-like Diseases of Fruit Trees, Small Fruits and Grapevine in Moldavia.* (Verderevskaya, T.D., Ed.) Moldavian Research Institute, Kishinev, Fructovaja 14, Moldavia (161 pp). 51-58.

Keywords: 2766/grapevine/nepoviruses/Moldavia

Kölber, M., Lehoczky, J., Kobza, S., Nemeth, M., and Pacsa, S.(1980). Identification of grapevine fanleaf disease by the ELISA test. (In Slovak, Eng. Germ., Russ. sum.). *Sb.UVTIZ-Ochrana Rostlin* **16**, 83-88.

Keywords: 2482/grapevine/fanleaf virus/detection/identification/serology/ELISA/Hungary

Kölber, M. and Farkas, G.(1981). Occurrence of the latent fleck disease of grapevine in Hungary. (In Hungarian, Eng. sum.). *Kertgazdasag* **13(1)**, 15-26.

Keywords: 2479/grapevine/fleck/occurrence/Hungary

Kölber, M., Lehoczky, J., Pacsa, S., and Kobza, S.(1981). Detection of grapevine fanleaf virus (GFLV) with ELISA technique in the leaf samples collected in various phenophases and in deep-frozen leaf extracts (In Hungarian, Russ., Eng., Germ. sum.). *Kertgazdasag* **13(2)**, 11-22.

Keywords: 2483/grapevine/fanleaf virus/detection/serology/ELISA/methods/Hungary

Kölber, M. and Lehoczky, J.(1983). Detection of grapevine fanleaf virus in different tissues of dormant and forced stages of vines with the application of ELISA technique (In Hungarian, Eng. sum.). *Kertgazdasag* **15(2)**, 47-51.

Keywords: 2480/grapevine/fanleaf virus/detection/serology/ELISA/Hungary

Notes: GFLV detected by ELISA in buds, living bark of canes and roots, callus of forced woody cuttings.

Kölber, M., Lehoczky, J., and Kobza, S.(1983). Time of sampling and storage of leaf extracts studies on grapevine fanleaf virus (GFLV) with ELISA (In English with Po.,Russ. sum.). *Zeszyty Problemowe Postepow Nauk.* **(291)**, 173-180.

Keywords: 2481/grapevine/fanleaf virus/detection/ELISA/methods/Hungary

Kölber, M., Beczner, L., Pacsa, S., and Lehoczky, J.(1985). Detection of grapevine chrome mosaic virus in field-grown vines by ELISA. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 135-140.

- Keywords:** 2478/grapevine/grapevine chrome mosaic virus/detection/serology/ELISA/occurrence/Hungary
- König, R. and Kunze, L.(1982). Identification of tombusvirus isolates from cherry in southern Germany as petunia asteroid mosaic virus. *Phytopathol.Z.* **103**, 361-368.
Keywords: 2477/grapevine/tomato bushy stunt virus/strain/serology/relationships/Germany
Notes: Comparison of isolates of tombusvirus from cherry, petunia and grapevine.
- Krake, L.R. and Woodham, R.C.(1978). Grapevine summer mottle: a new graft-transmissible disease. *Vitis* **17**, 266-270.
Keywords: 1768/grapevine/summer mottle/vein mosaic/comparison/occurrence/Australia
Notes: Leaf symptoms, expressed during summer as a systemic mottling syndrome, are associated with graft-transmissible disease of unknown etiology. Symptomatology, host range, and serological evidence distinguish summer mottle from any previously reported disease of grapevine.
- Krake, L.R. and Woodham, R.C.(1983). Grapevine yellow speckle agent implicated in the aetiology of vein banding disease. *Vitis* **22**, 40-50.
Keywords: 2485/grapevine/fanleaf virus/veinbanding/strain/yellow speckle/etiology/Australia
Notes: The vein banding strain of GFLV lost its ability to produce veinbanding after being purified. The same virus isolate combined with yellow speckle produced again veinbanding symptoms. Hypothesis that veinbanding results from a yellow speckle infection intensified by co-infection with fanleaf virus.
- Kriedemann, R.E., Sward, R.J., and Downton, W.J.S.(1976). Grapevine responds to carbon dioxide enrichment during heat therapy of shoots for virus disease control. *Austral.J.Plant Physiol.* **3(5)**, 605-618.
Keywords: 1769/grapevine/heat therapy/methods/Australia
- Kriel, G.J.L.R.(1973). *Simptomatologie en anatomie van gleufstam (legno riccio) by die wingerdstok (Vitis) (Symptomatology and anatomy of stem pitting of grapevine).(In Afrikaans).*, M.Sc.Agric.Thesis.University of Stellenbosch., Stellenbosch, South Africa.
Keywords: 2175/grapevine/stem pitting/legno riccio/symptoms/histology/South Africa
- Kriel, G.J.L.R., Orffer, C.J., and Beukman, E.F.(1980). Symptomatology and anatomy of stemgrooving (Legno Riccio) in the grape vine. *S.Afr.J.Enol.Viticult.* **1(1)**, 85-101.
Keywords: 2486/grapevine/stem grooving/legno riccio/stem pitting/rugose wood/symptoms/histology/South Africa
- Krimbas, B.(1958). *La dégénérescence infectieuse de la vigne en Grèce.(In Greek, Fr. sum.)*., Agricultural College, Athens, Greece.
Keywords: 1406/grapevine/infectious degeneration/fanleaf/Greece
Notes: A literature survey and historical account of virus-like diseases in Greece and Crete, based on symptoms; new and old collections at Agric. College, Athens evaluated, Savvatiano no symptoms, others range mild to severe.
- Krimbas, B.D.(1958). La dégénérescence infectieuse en Grèce. (Infectious degeneration in Greece). *C.R.Acad.Agric.Fr.* **44**, 382-384.
Keywords: grapevine/infectious degeneration/fanleaf/Greece
- Krivanek, V. and Blatný, C.(1961). Contribution to the study of grapevine viral leafroll. (In Czech). *Vinárstvi* **54**, 123
Keywords: 1407/grapevine/leafroll/Czechoslovakia
- Krivanek, V.(1979). Clonal selection of grapevine and its importance.(In Russian, Eng., Fr., Czech. sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra*

53-62 {Ru. cs.

Keywords: 2487/grapevine/clonal selection/sanitary selection/economic importance/Czechoslovakia

Krnjaic, D.(1972). The distribution of Xiphinema, Longidorus and Trichodorus species in vineyards in Yugoslavia. *Ann.Phytopathol.* **No. hors série**, 191-194.

Keywords: 1770/grapevine/Xiphinema/Longidorus/occurrence/Yugoslavia

Notes: Species of Xiphinema found important based on geographic distribution and quantitative ratios.

Kuniyuki, H.(1975). Identification of corky bark in vineyards of the State of Sao Paulo. *Fitopatologia* **10**, 58

Keywords: 2176/grapevine/corky bark/occurrence/Brasil

Kuniyuki, H. and Costa, A.S.(1982). Studies on grapevine corky bark disease in Sao Paulo. (In Portuguese, Eng. sum.). *Fitopatol.Brasileira* **7(1)**, 71-81.

Keywords: 2488/grapevine/corky bark/Brasil

Kuszala, J.(1981). Immunoélectrophorèse à contresens en gel d'agarose, avec des extraits de vigne (*Vitis* sp.) infectées par les virus du court- noué (grape fanleaf GFV et arabis mosaic AMV) (Immunoelectrophoresis in agar gel of extracts of grapevine infected with fanleaf and arabis mosaic viruses). *Agronomie* **1**, 389-390.

Keywords: 2489/grapevine/fanleaf virus/arabis mosaic virus/serology/detection/immunoelectrophoresis/France

Küppers, P., Nienhaus, F., and Schinzer, U.(1975). Rickettsia-like organisms and virus-like structures in a yellows disease of grapevine. *Z.Pflanzenkrankh.Pflanzensch.* **82**, 183-187.

Keywords: 1771/grapevine/yellows/Vergilbungskrankheit/rickettsia-like organisms/electron microscopy/Germany

Notes: RLO could be demonstrated in grapevines with yellows disease by electron microscopy, shortly before symptom development in early summer.

Kyriakopoulou, P.E. and Bem, F.P.(1973). Some virus diseases of cultivated plants noticed in Greece during 1971 and 1972. (In Greek). *A Symposium of Geotechnical Research,Athens,1973*

Abstr.102,

Keywords: 1772/grapevine/yellows/flavescence dorée/occurrence/Greece

Notes: A complete symptomatology of grapevine Flavescence dorée was observed in Larissa, Central Greece, on the varieties Rozaki, Italia and Cardinal, where it caused a serious problem.

Kyrou, N.(1964). Parasitic nematodes found in the island of Thassos on grapevine (In Greek, Eng. sum.). *Geoponika* **9**, 114-115 (Cf. note).

Keywords: 1408/grapevine/nematodes/Greece

Notes: Continued in Geponika 10:12-13. Xiphinema americanum Cobb, 1913 and X. index Thorne and Allen, 1950 were isolated and identified, among other nematodes.

La Red, F.C. and Vega, E.(1968). Identificación y distribución geografica del nematode Xiphinema index, en el sur de la provincia de Mendoza (Identification and geographical distribution of the nematode Xiphinema index in soils of the province of Mendoza). *IDIA* **246**, 49-54.

Keywords: nematode/Xiphinema index/geographical distribution/Mendoza/Argentina

La Red, F.C. and Vega, E.(1970). Control de nematodes in viñedos implantados (Control of viruses in planted vineyards). *Rev.Invest.Agropecuar.,Ser.5,Patol.Veg.* **7(2)**, 31-35.

Keywords: 1783/grapevine/nematodes/Xiphinema index/control/nematicide

Notes: The population level of Xiphinema index can be reduced temporarily by adding an emulsion of DBCP (Dibromochloropropane) in irrigation water. No relation with fanleaf virus transmission.

- Lacasta, A.P.(1976). Caracterizaco de um virus isolado de videira (Characterization of a virus isolated from grapevine). *Rel.tirocnio do curso de Reg.Agricola*. 1-55.
Keywords: 1773/grapevine/tobacco mosaic virus/occurrence/Portugal
Notes: A strain of TMV isolated by mechanical transmission from grapevine cv. Jaen. Mimeographed document.
- Lamberti, F.(1963). Osservazioni sulla distribuzione e importanza dei "cordoni endocellulari" in diversi vitigni coltivati in Puglia. (Observations on the distribution and importance of trabeculae in various grapevines cultivated in Puglia). *Ann.Fac.Agr.Univ.Bari* **17**, 267-287.
Keywords: grapevine/fanleaf/trabeculae/Puglia/Italy
- Lamberti, F. and Raski, D.J.(1964). Trasmissione di "malformazioni infettive" della vite attraverso terreno infestato da *Xiphinema index* Thorne et Allen, in Puglia. (Transmission of infectious degeneration of grapevine through soil infested with *Xiphinema index* Thorne & Allen in Puglia). *Phytopath.medit.* **3**, 41-43.
Keywords: grapevine/infectious degeneration/fanleaf/soil transmission/*Xiphinema index*/Puglia/Italy
- Lamberti, F. and Martelli, G.P.(1965). *Proceedings International Conference on Virus and Vector on Perennial Plants, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif.,USA. 353-363.
Keywords: grapevine/nematode/vector/*Xiphinema index*/fanleaf virus/spread/geographical distribution/occurrence/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Lamberti, F.(1975). Nematodi vettori di virus della vite e relativi metodi di lotta (Nematode vectors of grapevine viruses and control). *Coltivatore e Giornale Vinicolo Italiano* **121**, 220-221.
Keywords: 1774/grapevine/nepoviruses/nematodes/vectors/list/classification/control/Italy
Notes: A list of the nematode vectors in viruses found associated with grapevine plants is given. The main nematode-control methods are discussed. See also Atti Tavolo Rotonda "Malattie da virus e da micoplasmi della vite", Lab. Fitoviol. Appl. C.N.R., Torino, 45-47.
- Lamberti, F., Greco, N., and Zaouchi, H.(1975). A nematological survey of date palms and other major crops in Algeria. *F.A.O.Plant Prot.Bull.* **23**, 156-160.
Keywords: 1781/grapevine/nematodes/*Xiphinema index*/Algeria
Notes: *Xiphinema index* is reported from Algerian vineyards.
- Lamberti, F., Taylor, R.H., and Seinhorst, J.W.(1975). *Nematode vectors of plant viruses*. , Plenum, New York and London.
Keywords: 1782/nematodes/vectors/plants/viruses/general
Notes: The volume reports the latest research on the transmission of plant viruses by nematodes and provides taxonomic and morphological studies.
- Lamberti, F.(1977). Nematodi vettori di virus della vite e relativi metodi di lotta (Nematode vectors of grapevine viruses and control). *Ital.Agricola* **114**, 105-109.
Keywords: 1775/grapevine/viruses/nematodes/vectors/control/Italy
Notes: List of the nematode vectors of grapevine viruses, and methods of nematode control are illustrated and discussed.
- Lamberti, F.(1977). *Savjetovanje o ekscoriozi i virusnim bolestima vinove loze (Proc. Conf. on Excoriosis and Virus Diseases of Grapevine)*. (AnonymousHepok, Mostar, Yugoslavia. 139-142.
Keywords: 1776/grapevine/nepoviruses/nematodes/vectors/Italy
- Lamberti, F.(1978). Nematode vectors of grapevine viruses and their spread and control. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 239-246.

- Keywords:** 1777/grapevine/nepoviruses/nematodes/vectors/general/Italy
Notes: A general paper, introduction to section on nematod vectors.
- Lamberti, F.(1979). Nematodi Longidoridae di alcune isole dalmate con particolare riferimento ai vettori di virus della vite e relativi metodi di lotta (Longidorids of some dalmatian islands with special reference to vectors of grapevine viruses and control). *Acta Biol.* **8**, 79-86.
Keywords: 2490/grapevine/Longidoridae/vector/nepoviruses/control/Yugoslavia/Italy
- Lamberti, F.(1980). Taxonomic status of the nematode vectors of grapevine viruses. *Proc. 7th Meeting ICVG, Niagara Falls (Canada Agriculture, Research Branch)*. 133-137.
Keywords: 2491/grapevine/nepoviruses/vector/nematodes/classification/Italy
- Lamberti, F., Belli, G., Coiro, M.I., and Fortusini, A.(1980). Indagini preliminari sulla presenza di nematodi vettori di virus delle piante in tre aree di interesse agrario di Lombardia e Piemonte (Preliminary investigations on the presence of nematode vectors of plant viruses in three areas of agricultural interest in Lombartia and Piedmont). *Nematol. Mediter.* **8**, 21-27.
Keywords: 2495/grapevine/Xiphinema vuittenezi/Xiphinema pachtaicum/Xiphinema diversicaudatum/occurrence/Italy
- Lamberti, F.(1981). Plant nematode problems in the Mediterranean region. *Helminthological. Abstr. Ser. B. Plant Nematology* **50**, 145-166.
Keywords: 2492/grapevine/nepoviruses/nematodes/vector/Xiphinema/Longidorus/Italy/nematode
- Lamberti, F.(1981). Combating nematode vectors of plant viruses. *Plant Dis.* **65**, 113-117.
Keywords: 2493/grapevine/nematodes/vector/nepoviruses/control/Italy
- Lamberti, F.(1984). Importanza dei nematodi in viticoltura (Importance of nematodes in viticulture). *Notae AIVV (Accad. Ital. Vite e Vino)* **36**, 193-204.
Keywords: 2494/grapevine/nematodes/economic importance/Italy
- Larrea Redondo, A.(1980). Aportación a los estudios sobre virosis de la vid. *La Semana Vitivinicola* **35(1756)**, 1065-1069.
Keywords: 2496/grapevine/virus diseases/general/Spain
- Larrea, A.(1971). Las virosis de la vid. *Semana Vitivinicola (Valencia)* **(1281)**, 1292-1294.
Keywords: 1784/grapevine/virus diseases/virus-like diseases/Spain
- Lattore-Guzman, B.A.(1975). *Further investigations of the etiology of Pierce's disease of grapevines.*, PhD.Diss., University of California, Davis, California, USA.
Keywords: 1785/Pierce's disease/etiology/bacterium/Lactobacillus/relationships/antibiotics/control/California/USA
Notes: Proof that the Lactobacillus found by others in leafhopper vectors of Pierce's disease was a saprophyte associated with the insect and that it had no causal relationship with the disease. Also a study that showed antibiotic treatments to be of no value in Pierce's disease control.
- Lattore-Guzman, B.A., Kado, C.I., Goheen, A.C., and Kunkee, R.E.(1975). Characterization of the bacterium associated with Pierce's disease. *Proc. Amer. Phytopathol. Soc.* **2**, 67-Abstract
Keywords: 1786/grapevine/Pierce's disease/etiology/bacterium/properties/California/USA
- Leandri, A. and Imbroglini, G.(1981). Distruzione delle radici con diserbanti nel reimpianto di vigneti virosati. Il nota. (Destruction of roots with herbicides before replanting virus-diseased vineyards). *Ann. Ist. Sper. Patol. Veg. Roma* **7**, 47-51.
Keywords: 2497/grapevine/Xiphinema index/fanleaf/rootstock/weed killer/replanting/control/Italy
- Lear, B., Goheen, A.C., and Raski, D.J.(1981). Effectiveness of soil fumigation for control of fanleaf-nematode complex in grapevines. *Amer. J. Enol. Viticult.* **32**, 208-211.

Keywords: 2498/grapevine/fanleaf/nematode/Xiphinema index/soil disinfection/control/California/USA

Lee, R.F., Raju, B.C., Nyland, G., and Goheen, A.C.(1982). Phytoalexin(s) produced in culture by the Pierce's disease bacterium. *Phytopathology* **72**, 886-888.

Keywords: 2499/grapevine/Pierce's disease/bacterium/biology/California/USA

Legin, R.(1972). Expérimentation pour étudier l'effet des principales viroses sur la végétation et la production de la vigne (Experiments on the effects of the main virus diseases of grapevine on growth and yield of grapevine). *Ann.Phytopathol.* **No. hors série**, 49-57.

Keywords: 1788/grapevine/fanleaf/leafroll/economic importance/France

Notes: Effects of fanleaf and leafroll diseases. Growth and productivity of Chardonnay and Pinot Noir in Burgundy, Alsace and Jura, 1961 to 1970.

Legin, R.(1973). Erfahrungen mit der Gesundheitsselektion im französischen Weinbau, sowie deren Organisation (Sanitary selection in French viticulture and its organization). *Weinberg und Keller* **20**, 351-353.

Keywords: 1789/grapevine/sanitary selection/France

Legin, R. and Vuittenez, A.(1973). Comparaison des symptômes et transmission par greffage d'une mosaïque nerveuse de *Vitis vinifera*, de la marbrure de *V. rupestris* et d'une affection nécrotique des nervures de l'hybride Rup.-Berl. 110 R (Comparison of symptoms and graft transmission of a vein mosaic of *Vitis vinifera*, of fleck of *V. rupestris* and of a vein necrosis of the hybrid Rup.-Berl. 110 R). *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 57-63.

Keywords: 1790/grapevine/vein mosaic/fleck/vein necrosis/latent/symptoms/France

Legin, R., Bass, P., and Vuittenez, A.(1979). Une maladie de type chlorose puis rougissement foliaire automnal, accompagnée de chancres du bois de la vigne, produite par un agent de type viral très résistant à la thermothérapie, transmissible par greffage à l'indicateur "Pinot noir" (*Vitis vinifera* L.) (A disease with chlorosis and leaf reddening in autumn, with cankers on the wood is produced by a virus that is very resistant to heat therapy and graft-transmissible to Pinot noir *Vitis vinifera* cv.).(Abstract). *Ann.Phytopathol.* **11**, 136-137.

Keywords: 2500/grapevine/red leaf disease/Pinot noir/graft transmission/heat therapy/France

Legin, R., Bass, P., and Vuittenez, A.(1979). Premiers résultats de guérison par thermothérapie et culture in vitro d'une maladie de type cannelure (legno riccio) produite par le greffage du cultivar Servant de *Vitis vinifera* sur le porte- greffe *Vitis riparia* x *V. berlandieri* Kober 5 BB. Comparaison avec diverses viroses de la Vigne (First results of heat therapy and in vitro culture with a disease of the type stem pitting or legno riccio, produced by grafting cv. Servant of *Vitis vinifera* on the rootstock *Vitis riparia* x *V. berlandieri* Kober 5BB. Comparison with other grapevine virus diseases). *Phytopathol.Mediterr.* **18**, 207-210.

Keywords: 2501/grapevine/stem pitting/heat therapy/France

Lehoczky, J.(1965). *Proceedings International Conference on Virus and Vector on Perennial Plants, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 311-318.

Keywords: grapevine/virus diseases/fanleaf/yellow mosaic/vein banding/asteroid mosaic/enation/occurrence/symptoms/Hungary/meeting/ICVG

Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.

Lehoczky, J., Martelli, G.P., Sarospataki, G., and Quacquarelli, A.(1967). Neue Beobachtungen am "legno riccio" der Reben in Ungarn (New observations on "legno riccio" or rugose wood of grapevine in Hungary). *Weinberg u.Keller* **15**, 506

Keywords: grapevine/legno riccio/rugose wood/symptoms/Hungary/meeting/ICVG

Notes: In German. Abstr. 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967.

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Keywords: grapevine/fanleaf virus/chrome mosaic virus/transmission/Hungary
- Lehoczky, J., Martelli, G.P., and Sarospataki, G.(1969). Leafroll of grapevine in Hungary. *Acta Phytopathol.Acad.Sci.Hung.* **4**, 117-124.
Keywords: grapevine/leafroll/occurrence/symptoms/geographical distribution/Hungary
- Lehoczky, J. and Tasnady, G.Y.(1971). The effects of fanleaf and chrome mosaic virus diseases on the yield and fruit sugar content of grapevines. (In Hungarian). *Kis.Közl.* **64/C. (1-3)**, 49-64.
Keywords: 1793/grapevine/fanleaf/grapevine chrome mosaic virus/yield/quality/performance/economic importance/Hungary
Notes: Yields from grapevines with fanleaf and chrome mosaic were in order some 68 and 66% less than that from normal vines.
- Lehoczky, J.(1972). Destructive effect of legno riccio (rugose wood) on European grapevine varieties. *Ann.Phytopathol.* **No. hors série**, 59-65.
Keywords: 1791/grapevine/legno riccio/stem pitting/rugose wood/symptoms/economic importance/Hungary
- Lehoczky, J.(1972). Present status of virus diseases of grapevine in Hungary and the antecedents.(In Hungarian). *Növényvédelem* **8(3)**, 97-100.
Keywords: 1792/grapevine/virus diseases/virus-like diseases/Hungary
- Lehoczky, J., Sarospataki, G., Devergne, J.C., Cardin, L., Kuszala, J., and Vuittenez, A.(1979). Caractérisation d'une souche du virus de la mosaïque jaune chrome de la vigne (GCMV) isolée en Hongrie de vignes non panachées. Nouvelle évidence d'une parenté sérologique éloignée entre ce virus et celui des anneaux noirs de la tomate (TBRV) (Characterization of an isolate of grapevine chrome mosaic virus isolated in Hungary from grapevines devoid of yellow mosaic symptoms. New evidence of a serological relationship between this virus and tomato black ring virus). *Ann.Phytopathol.* **11**, 567-568.
Keywords: 2510/grapevine/grapevine chrome mosaic virus/tomato black ring virus/strain/serology/relationships/Hungary/France
- Lehoczky, J. and Beczner, L.(1980). Infection of grapevine by alfalfa mosaic virus. I.Transmission of the virus to woody indicators (indexing).(In Hungarian, Russ., Eng., Germ. sum.). *Kertgazdasag* **12(2)**, 59-66.
Keywords: 2505/grapevine/alfalfa mosaic virus/indexing/graft transmission/Hungary
- Lehoczky, J.(1981). The current practice of virological screening of cultivars of grapevine and the prospects of maintaining the virus-free state in cultivated vineyards. (In Hungarian, Russ., Eng., Germ. sum.). *Kertgazdasag* **13(5)**, 59-77.
Keywords: 2502/grapevine/indexing/virus-free material/control/nepoviruses/alfalfa mosaic virus/fallow/soil disinfection/Hungary
- Lehoczky, J. and Farkas, G.(1981). Occurrence of the latent fleck disease of grapevine in Hungary (In Hungarian, Russ., Eng., Germ. sum.). *Kertgazdasag* **13**, 15-26.
Keywords: 2506/grapevine/fleck/occurrence/Hungary
- Lehoczky, J., Kölber, M., and Farkas, G.(1983). Effect of spring and summer high temperature on detection of grapevine fanleaf virus and yellow mosaic virus with ELISA (In Hungarian, Eng. sum.). *Kertgazdasag* **15(2)**, 37-45.
Keywords: 2509/grapevine/fanleaf virus/detection/serology/ELISA/temperature/Hungary
Notes: The best time for detecting fanleaf virus in leaves is flowering time. In hot summer conditions, the detection is possible only if the grape sap is not diluted more than 1:10.

- Lehoczky, J.(1984). Virus diseases of grapevines.(In Hungarian). *Kertészet és Szőlészet* **33(26/28)**, 8-9.
Keywords: 2503/grapevine/virus diseases/virus-like diseases/general/Hungary
- Lehoczky, J., Farkas, G., and Lazar, J.(1984). Detection of grapevine chrome mosaic (GCMV) by indexing with woody indicators (In Hungarian, Eng. sum.). *Kertgazdasag* **16(5)**, 7-16.
Keywords: 2507/grapevine/grapevine chrome mosaic virus/indexing/woody indicators/Hungary
- Lehoczky, J., Kölber, M., Beczner, L., and Pacsa, S.(1984). Distribution of the grapevine chrome mosaic disease in Hungary and detection of its virus (GCMV) in the leaves of outdoor vines by ELISA technique. (In Hungarian, Eng. sum.). *Kertgazdasag* **16(4)**, 41-52.
Keywords: 2508/grapevine/grapevine chrome mosaic virus/occurrence/detection/serology/ELISA/Hungary
- Lehoczky, J. and Vanek, G.(1984). Recovery of grapevine from virus diseases and protection of its health in vineyards. (In Slovak). *Vinohrad* **22**, 271-273.
Keywords: 2511/grapevine/virus diseases/virus-like diseases/control/sanitary selection/virus-free material/Hungary
- Lehoczky, J.(1985). Detection of grapevine chrome mosaic virus in naturally infected vines by indexing. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 129-134.
Keywords: 2504/grapevine/grapevine chrome mosaic virus/indexing/Hungary
- Lemanova, N.B. and Marinescu, V.G.(1984). *Some news about grapevine growing in nurseries in Hungary and Moldavia.* (AnonymousKartja Moldovensjaske, Kishinev, Moldavia. 149-161.
Keywords: 2512/grapevine/virus-free material/indexing/sanitary selection/Moldavia
- Leonhardt, A.(1978). Absterbeerscheinung bei Ertragsreben (Dieback symptoms of grapevines). *Bad.Winzer* **8**, 8-14.
Keywords: 1794/grapevine/dieback/Germany
- Lévy, J.(1961). Où en est la lutte contre le court-noué (On the control of court-noué). *Vignes et Vins* **103**, 31-32.
Keywords: 1409/grapevine/court-noué/fanleaf/control/France
- Lider, L.A., Goheen, A.C., and Ferrari, N.L.(1975). A comparison between healthy and leafroll-affected grapevine planting stocks. *Amer.J.Enol.Viticult.* **26**, 144-147.
Keywords: 1795/grapevine/leafroll/symptoms/yield/quality/economic importance/California/USA
Notes: Leafroll reduces the yield and causes fruit to mature much later on leafroll-infected than on healthy vines of "Burger". The adverse maturity delay can be mitigated by removing half or more of the potential crop before veraison.
- Liger, P.(1963). Les aspects techniques de la reconstitution du vignoble Rifain. (Technical aspects of replanting vineyards in the Rif region, Marocco). *Al Awamia* **7 (71-87) 8 (77-113)**,
Keywords: grapevine/soil transmission/fanleaf/Marocco
- Lima, M.B.(1974). Xiphinema italiae MEYL, 1953 (Nematoda: Dorylamida) found around roots of grapevine in Portugal. *Agronomia Lusit.* **35**, 273-276.
Keywords: 1796/grapevine/Xiphinema italiae/occurrence/Portugal
- Loomis, N.H.(1958). Performance of Vitis species in the South as an indication of their relative resistance to Pierce's disease. *Pl.dis.reptr.* **42**, 833-834.
Keywords: grapevine/Pierce's disease/performance/Vitis sp./resistance/USA
- Loomis, N.H.(1961). Symptom expression and occurrence of Pierce's disease virus at Meridian, Miss. *Proc.Am.Soc.Hort.Sci.* **77**, 331-336.
Keywords: grapevine/Pierce's disease/symptoms/occurrence/Mississippi/USA

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Keywords: 1797/grapevine/clonal selection/methods/Italy
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Keywords: 1798
Notes: A collection of papers presented at a symposium on grapevine diseases caused by viruses and mycoplasmas. {Vedi anche *Coltivatore G. Vinic. Ital.* 121 /1975/}
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Keywords: 1799/Pierce's disease/almond leaf scorch/ultrastructure/bacterium/electron microscopy/California/USA
- Luhn, C.F. and Goheen, A.C.(1970). Viruses in early California grapevines. *Plant Dis.Reptr.* **54 {12}**, 1055-1056.
Keywords: 1800/grapevine/leafroll/occurrence/California/USA
Notes: Leafroll was present in 18%, no other virus diseases detected by indexing.
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Keywords: grapevine/enations/symptoms/Germany
- Machichi, E. and Stojan, E.(1979). Propagation methods of virus-free grapevine material used in Romania.(In Russian, Eng., Fr., Slovak sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra* 127-134.
Keywords: 2513/grapevine/virus-free material/propagation/methods/Rumania
- Machichi, E.(1980). Methods of rapid multiplication of virus-free grapevine planting material used in Romania (In Rumanian). *Prod.Veg.Hort.* **29(5)**, 24-30.
Keywords: 2514/grapevine/virus-free material/propagation/Rumania
- Magarey, P.A. and Wachtel, M.F.(1982). The Rhine Riesling problem - recent findings. *Austral.Grapegrower Winemaker* **(220)**, 78-80.
Keywords: 2516/grapevine/yellows/Australia
- Magarey, P.A., Wachtel, M.F., and Emmett, R.W.(1983). Australian Vine Yellows - a new name. *Austral.Grapegrower Winemaker* **(232)**, 32-33.
Keywords: 2517/grapevine/yellows/symptoms/yield/economic importance/mycoplasma-like organisms/hypothesis/Australia
Notes: New name proposed for a disease previously named Rhine Riesling problem, and observed on Riesling and Chardonnay, causing downward rolling and yellowing of the leaves, stunting of the shoots and poor maturity of the canes, shrivelling of the bunches and yield losses up to 13%. It is assumed that the disease is caused by a mycoplasma-like organism.
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Keywords: grapevine/Reisigkrankheit/leafroll/diagnosis/symptoms/Germany
- Maier, W.(1939). Die Häufigkeit der Zellstäbe in den Internodien der Triebe reisigkranker Reben. (Frequency of trabeculae in internodes of shoots of grapevines affected by Reisigkrankheit). *Wein u.Rebe* **21**, 240-250.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/trabeculae/Germany

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Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/soil transmission/Germany
- Maier, W. and Mittmann-Maier(1942). Untersuchungen über den Wuchsstoffgehalt gesunder und reisigkranker Reben.(Research on the content of growth substances of healthy and Reisigkrankheit-infected grapevines). *Wein u.Rebe* **24**, 109-125.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/growth substances/physiology/Germany
- Maillet, P.(1953). Sur la possibilité de transmission de virus par le Phylloxéra de la vigne.(Possibility of virus transmission by grape phylloxera). *C.R.Acad.Sci.,Paris* **235**, 907
Keywords: grapevine/phylloxera/vector/fanleaf/hypothesis/transmission/virus/France
Notes: See also Progr. agr. vitic. 1,37-38,1953.
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Keywords: grapevine/fanleaf/antigen/serology/France
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Keywords: grapevine/phylloxera/biology/vector/fanleaf/hypothesis/France
- Malaguti, G., Martelli, G.P., and Ciccarone, A.(1967). Transmission of the grapevine fanleaf virus from Venezuelan grapevines to healthy indicator plants. *Phytopathology* **57**, 7-10.
Keywords: grapevine/fanleaf virus/occurrence/Venezuela
- Malenin, I. and Petrova, I.(1974). Influence of infectious necrosis on the formation of free amino acids of grapevine.(In Bulgarian). *Gradinar.Loazar.Nauka (Hort.Viticult.Sci.)* **11(2)**, 119-123.
Keywords: 1803/grapevine/infectious necrosis/physiology/biochemistry/Bulgaria
- Males, P. and Bubic, J.(1977). Viruses as a limiting factor of grapevine productivity in Dalmatia.(In Croatian). *Savjetovanje o ekscoriozi i virusnim bolestima vinove loze (Proc.Conf.on Excoriosis and Virus Diseases of Grapevine) Hepok,Mostar (Yugosl.)* 143-148.
Keywords: 1804/grapevine/virus diseases/virus-like diseases/economic importance/Croatia
- Mali, V.R. and Vanek, G.(1972). Nematodes of the family Longidoridae (THORNE) MEYL and their role in Czechoslovakian vineyards. *Biologia (Bratislava)* **B 27(11)**, 841-852.
Keywords: 1806/grapevine/nematodes/vectors/Longidoridae/Czechoslovakia
- Mali, V.R. and Vanek, G.(1973). *Plant Virology. Proceeding of the 7th Conference of Czechoslovak Plant Virologists, High Tatras.* (Bojnansky, V., Ed.) Slovak Academy of Sciences, Bratislava, Czechoslovakia. 353-361.
Keywords: 1807/grapevine/nepoviruses/Xiphinema vuittenezi/vector/Czechoslovakia
- Mali, V.R., Vanek, G., and Bojnansky, V.(1975). Transmission by nematodes of some grapevine viruses occurring in Czechoslovakia and Hungary. *Pol'nohospodárska Veda,Sér.A.* **3**, 1-130.
Keywords: 1808/grapevine/fanleaf virus/grapevine chrome mosaic virus/Xiphinema index/vector/Xiphinema vuittenezi/Czechoslovakia
Notes: Xiphinema vuittenezi and Paralongidorus maximus were found in vineyards in Czechoslovakia, X. index and X. vuittenezi in Hungary. In transmission trials, X. index was found to be a vector of fanleaf and chrome mosaic viruses. No evidence could be given that X. vuittenezi can transmit either of these 2 viruses. 105 ref.

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Keywords: 1805/grapevine/Xiphinema index/vector/fanleaf virus/grapevine chrome mosaic virus/Hungary
Notes: Xiphinema index (larvae and females) transmitted GYMV and HCMV, but Xiphinema vuittenezi failed to do so.
- Malinovskaya, L.P. and Skripal, I.G.(1984). Studies of phytopathogenic mycoplasmas by the complement fixation test (In Russian, Eng. sum.). *Mikrobiol.Zhur.(Kiev)* **46(3)**, 58-64.
Keywords: 2518/grapevine/phylloxy/mycoplasma-like organisms/yellows/serology/detection/USSR
- Mariën, W.(1975). Selection and sanitation of grapevine. *Tuinbouwberichten* **39**, 477-480.
Keywords: 1809/grapevine/sanitary selection/control/virus diseases
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Keywords: 1810/grapevine/virus diseases/virus-like diseases/control/Moldavia
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Keywords: 1811/grapevine/vein mosaic/Moldavia
Notes: La mosaïque des nervures est due à un virus différent du virus du court-noué.
- Marinescu, V.G.(1979). Production of virus-free planting material of grapevine in France (In Russian). *Sadovod. Vinogradar.i Vinodel.Moldavii (Horticulture, viticulture and enology of Moldavia)* **34(6)**, 57-60.
Keywords: 2519/grapevine/virus-free material/review/France/USSR
- Marinescu, V.G. and Kosakovskaya, O.I.(1979). Diagnostic methods of detecting virus diseases used in sanitary selection of grapevine.(In Russian, Eng., Fr., Slovak sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra* 71-76 {Ru, en}.
Keywords: 2523/grapevine/sanitary selection/methods/detection/indexing/serology/Moldavia
- Marinescu, V.G.(1980). *Probleme der Pflanzenvirologie*. (Kleinhempel, H., Ed.) Institut für Phytopathologie - Akad. der Landwirtschaftswissenschaften, Aschersleben - Berlin, DDR. 409-418.
Keywords: 2520/grapevine/virus diseases/virus-like diseases/diagnosis/detection/methods/fanleaf/yellow mosaic/stem pitting/enation/leafroll/fleck/vein mosaic/vein necrosis/tobacco mosaic virus/Moldavia/USSR
Notes: Proceedings on a meeting on Plant Virology in Eastern Countries. Sonderdruck Nr. 184.
- Marinescu, V.G. and Bondarchuk, V.V.(1980). *Conference on Scientific and Technical Progress in Viticulture and Enology. 70th Anniversary of the Moldavian Research Institute of Viticulture and Enology, 1980*. (AnonymousMoldavian Research Institute of Viticulture, Kishinev, Moldavia. 51-52.
Keywords: 2521/grapevine/virus diseases/virus-like diseases/sanitary selection/Moldavia
- Marinescu, V.G.(1980). *Virus, Mycoplasma-like and Bacterial Diseases of Fruit Trees and Grapevine*. (Verderevskaya, T.D., Ed.) Moldavian Research Institute of Horticulture, Kishinev, Fructovaja 14, Moldavia. Printing House Reclama (172 pp). 72-78.
Keywords: 2765/grapevine/virus diseases/virus-like diseases/indexing/graft transmission/Moldavia
- Marinescu, V.G. and Verderevskaya, T.D.(1980). *Virus, Mycoplasma-like and Bacterial Diseases*. (In Russian). (Verderevskaya, T.D., Ed.) Moldavian Research Institute of Horticulture, Kishinev,

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Keywords: 2765/grapevine/virus diseases/virus-like diseases/Moldavia

Marinesku, V.G., Lemanova, N.B., Bondarchuk, V.V., and Sultanova, O.D.(1982). *Selection of resistant varieties of grapevine*. (AnonymousMoldavian Research Institute of Viticulture and Enology, Kishinev, Moldavia. Shtiinstsa Printing House (147 pp). 93-99.

Keywords: 2525/grapevine/sanitary selection/virus-free material/heat therapy/indexing/serology/Moldavia

Marinesku, V.G. and Lemanova, N.B.(1983). Phytosanitary selection of grapevine. *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **38(1)**, 41-42.

Keywords: 2524/grapevine/sanitary selection/Moldavia

Marinesku, V.G.(1983). *Virus and Mycoplasma-like Diseases of Fruit Trees, Small Fruits and Grapevine*. (Verderevskaya, T.D., Ed.) Moldavian Research Institute, Kishinev,Fructovaja 14, Moldavia (161 pp). 39-41.

Keywords: 2766/grapevine/virus diseases/virus-like diseases/Moldavia

Marinesku, V.G. and Bondarchuk, V.V.(1983). *Virus and Mycopalsma-like diseases of Fruit Trees, Small Fruits and Grapevine in Moldavia*. (Verderevskaya, T.D., Ed.) Moldavian Research Institute of Horticulture, Kishinev, Fructovaja 14, Moldavia (161 pp). 46-51.

Keywords: 2766/grapevine/enation/occurrence/Moldavia

Marinesku, V.G., Zemtchik, E.Z., and Verderevskaya, T.D.(1984). *Virus diseases of cltivated plants in Moldavia*. (AnonymousShtiintsa Printing House, Kishinev, Moldavia. 106-114.

Keywords: 2526/grapevine/fleck/occurrence/diagnosis/etiology/Moldavia

Martelli, G.P.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, California, USA. 245

Keywords: 1812/grapevine/shoot necrosis/symptoms/economic importance/Italy

Martelli, G.P.(1970). Comments on the heat therapy of the grapevine. *La thermothérapie des espèces ligneuses,Gembloux* 1-8.

Keywords: 1813/grapevine/heat therapy/methods/Italy

Martelli, G.P., Lehoczky, J., and Quacquarelli, A.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, California, USA. 236-237.

Keywords: 1824/grapevine/grapevine chrome mosaic virus/symptoms/economic importance/detection/transmission/Italy/Hungary

Martelli, G.P.(1972). *Problemi generali della lotta contro le malattie delle piante*. (AnonymousIstituto Tecnico Propag. Agr., Roma. 95-102.

Keywords: 1814/grapevine/virus diseases/virus-like diseases/general/Italy

Martelli, G.P. and Quacquarelli, A.(1972). Hungarian chrome mosaic of grapevine and tomato black ring: two similar but unrelated plant viruses. *Ann.Phytopathol.* **No. hors série**, 123-141.

Keywords: 1826/grapevine/grapevine chrome mosaic virus/tomato black ring virus/relationships/serology/purification/properties/comparison/Italy

Notes: Purification and characterization, in part, of chrome mosaic virus as compared with some other ringspot viruses. No serological relationship with tomato black ring virus.

Martelli, G.P. and Quacquarelli, A.(1972). Grapevine chrome mosaic. *CMI/ABB Descriptions of Plant Viruses* **No. 103**, 1-3.

Keywords: 1827/grapevine/grapevine chrome mosaic virus/description/properties/Italy

Notes: Description of Plant Viruses. Hungarian chrome mosaic.

- Martelli, G.P. and Rosciglione, B.(1973). Sintomi di legno riccio in vigneti siciliani. *Informatore Fitopatol.* **23 {10}**, 5-8.
Keywords: 1830
Notes: Description of wood pitting disease in declining vines of Sicilian vineyards
- Martelli, G.P., Salerno, M., Pastena, B., and Rosciglione, B.(1974). Selezione clonale di vitigni di uva da vino in Sicilia e loro risanamento. *Vignevini* **1**, 19-25.
Keywords: 1832/grapevine/clonal selection/sanitary selection/virus elimination/Italy
Notes: Review of clonal selection of grapevines in southern Italy, from about 1969 to date, the methods given in detail; discussion also includes Sicilian vineyards.
- Martelli, G.P.(1975). Il punto sulle attuali conoscenze sui virus, le virosi ed altre malattie infettive della vite (Present knowledge on viruses, virus diseases and other infectious diseases of grape). *Ital.Agricola* **112(2)**, 80-97 (See note).
Keywords: 1815/grapevine/virus diseases/virus-like diseases/general/Italy
Notes: Continued 112(3):107-118, (4):94-102.
- Martelli, G.P.(1975). Le virosi della vite. *Coltivatore e Giornale Vinicolo Italiano* **121(8)**, 207-209.
Keywords: 1816/grapevine/virus diseases/virus-like diseases/general/Italy
Notes: See also Atti Tavola Rotonda "Malattie da virus e da micoplasmi", Lab. Fitovitol. C.N.R., Torino, 15-20.
- Martelli, G.P.(1975). *Nematode Vectors of Plant Viruses*. (Lamberti, F., Taylor, C.E., and Seinhorst, I.W., Eds.) Plenum Publishing Co., New York and London. 223-252.
Keywords: 1817/nepoviruses/transmission/properties/diseases/general/Italy
Notes: A review of nematode-borne viruses including those of grapevine with particular reference to chemico-physical, serological and ultrastructural properties and ecological behaviour.
- Martelli, G.P. and Piro, G.(1975). Virus diseases of the grapevine in a Sicilian herbarium of the past century. *Vitis* **13**, 329-335.
Keywords: 1825/grapevine/fanleaf/yellow mosaic/leafroll/occurrence/Italy
Notes: Fanleaf, yellow mosaic and leafroll evident in herbarium specimens (dried) collected in Sicily between 1880-1886.
- Martelli, G.P., Rosciglione, B., and Savino, V.(1975). Selezione sanitaria e clonale e risanamento della vite in Puglia, Basilicata e Sicilia. *Coltivatore e Giornale Vinicolo Italiano* **121(10)**, 331-332.
Keywords: 1831/grapevine/clonal selection/sanitary selection/virus elimination/Italy
Notes: See also Atti Tavola Rotonda "Malattie da virus e da micoplasmi della vite", Lab. Fitoviol. C.N.R, Torino, 97-100.
- Martelli, G.P., Gallitelli, D., Abracheva, P., Savino, V., and Quacquarelli, A.(1977). Some properties of grapevine Bulgarian latent virus. *Ann.Appl.Biol.* **85**, 51-58.
Keywords: 1822/grapevine/Bulgarian latent virus/purification/properties/serology/mechanical transmission/herbaceous hosts/Italy
Notes: Virus was sap inoculated to a restricted host range and reinoculated to grape seedlings causing no symptoms. Methods and description of purified virus given and properties of components in sedimentation given in detail.
- Martelli, G.P., Godini, A., La Notte, E., Savino, V., and Russo, E.(1977). *Utilizzazione dei risultati della selezione della vite da vino*. (Martelli, G.P., Ed.) Atti Seminario C.N.R., Bari, Italy. 111-124.
Keywords: 1823/clonal selection/sanitary selection/heat therapy/Italy
Notes: Work in progress on clonal and sanitary selection of grapevine in Apulia and Basilicate. 48 varieties are included in the program. Heat therapy appears as a necessary complementation of visual selection in the field.

- Martelli, G.P., Rana, G.L., and Savino, V.(1977). Artichoke Italian latent virus. *CMI/ABB Descriptions of Plant Viruses* **No. 176**, 1-4.
Keywords: 1829/grapevine/artichoke Italian latent virus/description/properties/Italy
- Martelli, G.P.(1978). *Plant Disease Epidemiology*. (Scott, P.R. and Bainbridge, A., Eds.) Blackwell Scientific Publications, Oxford, England. 274-282.
Keywords: 1818/grapevine/nepoviruses/diseases/vectors/relationships/epidemiology/Italy
Notes: Review of the present knowledge on nematode-borne viruses of the grapevine. Summarized information is given on the diseases, viruses and vectors, virus-vectors relationships and epidemiology of the diseases. Possibilities of control are outlined.
- Martelli, G.P.(1978). Nematode-borne viruses of grapevine, their epidemiology and control. *Nematol.Mediterr.* **6**, 1-27.
Keywords: 1819/grapevine/nepovirus/diseases/vectors/epidemiology/control/Italy
Notes: Review of the present status of knowledge on nematode-borne viruses of the grapevine (129 ref.).
- Martelli, G.P.(1978). New viruses of grapevine. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 119-125.
Keywords: 1820/grapevine/virus diseases/virus-like diseases/general/new data/Italy
Notes: A discussion on new viruses found in grapevines given in an introduction to session III of the 6th meeting of ICVG, 1976.
- Martelli, G.P., Gallitelli, D., Abracheva, P., Jankulova, M., Savino, V., and Quacquarelli, A.(1978). A manually transmissible latent virus of the grapevine from Bulgaria. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 135-141.
Keywords: 1821/grapevine/Bulgarian latent virus/properties/Italy
Notes: Virus characterized, isometric 30 nm etc. Virus differed serologically from 28 isometric viruses, including 13 NEPO viruses.
- Martelli, G.P., Quacquarelli, A., and Gallitelli, D.(1978). Grapevine Bulgarian latent virus. *CMI/ABB Descriptions of Plant Viruses* **No. 186**, 1-4.
Keywords: 1828/grapevine/Bulgarian latent virus/description/properties/Italy
- Martelli, G.P., Savino, V., Abracheva, P., and Rosciglione, B.(1978). Necrosi delle nervature della vite in Italia e Bulgaria. *Informatore Fitopatol.* **28(10)**, 3-5.
Keywords: 1833/grapevine/vein necrosis/occurrence/Italy/Bulgaria
Notes: Vein necrosis of grapevine recorded in Italy and Bulgaria.
- Martelli, G.P., Savino, V., Rosciglione, B., and Quacquarelli, A.(1978). Clonal and sanitary selection and production of virus disease- free grapes in southern Italy. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 345-348.
Keywords: 1834/grapevine/clonal selection/sanitary selection/Italy
Notes: Progress report.
- Martelli, G.P. and Savino, V.(1978). Presence of grapevine vein necrosis in Italy and Bulgaria. *Informatore Fitopatol.* **28**, 3-5.
Keywords: 2177/grapevine/vein necrosis/occurrence/Bulgaria/Italy
- Martelli, G.P.(1979). Identification of virus diseases of grapevine and production of disease-free plants. *Vitis* **18**, 127-136.
Keywords: 2527/grapevine/virus diseases/virus-like diseases/identification/detection/indexing/serology/virus-free material/review/Italy

- Martelli, G.P., Savino, V., Abracheva, P., and Rosciglione, B.(1979). Necrosi delle nervature della vite in Italia e in Bulgaria (Vein necrosis of grapevine in Italy and Bulgaria). *Vignevini* **6(4)**, 74-75.
Keywords: 2539/grapevine/vein necrosis/occurrence/Italy/Bulgaria
- Martelli, G.P.(1980). Il miglioramento sanitario della vite in Italia: Attualità e prospettive (Sanitary selection of grapevine in Italy: present situation and prospects). *Atti Giorn.Fitopatol.* **Suppl.(2)**, 139-146.
Keywords: 2528/grapevine/sanitary selection/review/Italy
- Martelli, G.P.(1980). Diagnosi dei virus e delle virosi della vite (Diagnosis of viruses and virus diseases of grapevine). *Atti.Giorn.Nematol.Ascoli Piceno* 33-40.
Keywords: 2529/grapevine/virus diseases/virus-like diseases/diagnosis/indexing/serology/detection/review/Italy
- Martelli, G.P.(1980). Aspetti fitopatologici della coltura della vite ad uva da tavola in Puglia (Phytopathological aspects of the cultivation of table grapes in Puglia). *Notiz.Agric.Reg.* **8(5)**, 8-13.
Keywords: 2530/grapevine/diseases/Italy
- Martelli, G.P.(1980). New data on known virus and virus-like diseases of the grapevine. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 27-34.
Keywords: 2531/grapevine/virus diseases/virus-like diseases/new data/review
- Martelli, G.P., Di Franco, A., Russo, M., and Savino, V.(1980). The ultrastructure of grapevine Bulgarian virus infections in natural and artificial hosts. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 217-221.
Keywords: 2535/grapevine/Bulgarian latent virus/ultrastructure/electron microscopy/Italy
- Martelli, G.P., Godini, A., La Notte, E., Cassano, A., Savino, V., Russo, G., Santoro, M., and Roca, F.(1980). Il punto sulla selezione clonale e sanitaria e sul risanamento della vite in Puglia, Basilicate ed Irpinia (Clonal and sanitary selection and improvement of grapevine in Puglia, Basilicate and Irpinia). *Notiz.Agric.Reg.* **8(12)**, 2-10.
Keywords: 2536/grapevine/clonal selection/sanitary selection/Italy
- Martelli, G.P. and Salerno, M.(1980). Le principali alterazioni della vite per uva da tavola con particolare riferimento al Mezzogiorno (The most important disorders of table grapevines, with special reference to southern Italy). *Il Ponte Concordato Italiano Grandine* 31-39.
Keywords: 2538/grapevine/disorders/diseases/grapevine Italy
- Martelli, G.P.(1981). *Handbook of Plant Virus Infections. Comparative Diagnosis.* (Kurstak, E., Ed.) Elsevier - North Holland Medical Press, Amsterdam, New York, Oxford (943 pp). 61-90.
Keywords: 2532/grapevine/tombusviruses/tomato bushy stunt virus/handbook/Italy
- Martelli, G.P.(1982). Recent studies on virus diseases of grapevine in Europe with special reference to Italy. *Proc.Grape Wine Centenn.Symp.Davis (1980)* 28-35.
Keywords: 2533/grapevine/virus diseases/virus-like diseases/review/Italy
- Martelli, G.P.(1983). Virus e virosi della vite e degli agrumi: situazione italiana e problemi di quarantena (Viruses and virus diseases of grapevine and citrus: situation in Italy and quarantine problems). *Informatore Fitopatol.* **33 {2}**, 34-37.
Keywords: 2534/grapevine/virus diseases/viruses/virus-like diseases/quarantine/Italy
- Martelli, G.P. and Russo, F.(1983). La certificazione della vite e degli agrumi in Italia: attualità e prospettive. *Informatore Fitopatol.* **33(2)**, 83-88.
Keywords: 2537/grapevine/certification/Italy

- Martelli, G.P. and Hewitt, W.B.(1963). Comparative studies on some Italian and Californian virus diseases of grapevine. *Phytopath.medit.* **2**, 275-284.
Keywords: grapevine/virus diseases/comparison/symptoms/fanleaf/yellow mosaic/Italy/California
- Martelli, G.P. and Hewitt, W.B.(1963). Purification and serology of Italian strain of grape fanleaf virus (GFV). *Phytopath.medit.* **2**, 285-293.
Keywords: grapevine/fanleaf virus/purification/serology/Italy
- Martelli, G.P. and Raski, D.J.(1963). Osservazioni su Xiphinema index Thorne et Allen . Fico e degenerazione infettiva. *Inform.Fitop.* **13**, 416-420.
Keywords: grapevine/Xiphinema index/nematode/vector/fanleaf/degenerazione infettiva/fig tree/Italy
- Martelli, G.P.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 180-194.
Keywords: grapevine/viruses/isolation/purification/identification/serology/indexing/herbaceous hosts/electron microscopy/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis , Calif., 6-10.9.1965.
- Martelli, G.P.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 402-410.
Keywords: grapevine/chrome mosaic/virus/purification/isolation/serology/properties/Hungary/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Martelli, G.P., Lehoczky, J., and Quacquarelli, A.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif.,USA. 389-401.
Keywords: grapevine/chrome mosaic virus/symptoms/transmission/herbaceous hosts/host range/properties/cross-protection/serology/heat therapy/Hungary/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965
- Martelli, G.P. and Russo, M.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 287-292.
Keywords: grapevine/shoot necrosis/virus-like disease/symptoms/occurrence/geographical distribution/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Martelli, G.P., Graniti, A., Lamberti, F., and Quacquarelli, A.(1966). Trasmissione per innesto della "malattia delle enazioni" della vite (graft transmission of enation disease of grapevine). *Phytopath.medit.* **5**, 122-124.
Keywords: grapevine/enation/graft transmission/Italy
Notes: In Italian, Eng. sum.
- Martelli, G.P. and Lamberti, F.(1967). Le specie di Xiphinema Cobb, 1913 trovate in Italia e commenti sulla presenza di Xiphinema americanum Cobb (Nematoda, Dorylaimoidea) [The species of Xiphinema Cobb,1913 found in Italy and comments on the presence of Xiphinema americanum Cobb (Nematoda, Dorylaimoidea)]. *Phytopath.medit.* **6**, 65-85.
Keywords: nematode/Xiphinema/Xiphinema americanum/occurrence/Italy
- Martelli, G.P., Lehoczky, J., Quacquarelli, A., and Sarospataki, G.(1967). A disorder resembling "legno riccio" (rugose wood) of grapevine in Hungary. *Phytopath.medit.* **6**, 110-112.
Keywords: grapevine/rugose wood/legno riccio/occurrence/Hungary

- Martelli, G.P. and Lehoczky, J.(1968). Isolation of Arabis mosaic virus from Hungarian grapevines. *Phytopath.medit.* **7**, 129-133.
Keywords: grapevine/isolation/arabis mosaic virus/Hungary
- Martelli, G.P., Lehoczky, J., Quacquarelli, A., and Sarospataki, G.(1968). Das Problem des "yellow mosaic" der Reben in Ungarn (The problem of grapevine "yellow mosaic" in Hungary). *Weinberg u.Keller* **15**, 506-507.
Keywords: grapevine/chrome mosaic/yellow mosaic/Hungary/meeting/ICVG
Notes: In German. Abstr. 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967.
- Martelli, G.P., Quacquarelli, A., and Lehoczky, J.(1968). Serologische Verwandtschaft eines mit dem ungarischen "chrome mosaic" vergesellschafteten Virus mit einem Stamm des "tomato black ring virus" (Serological relationship between the virus associated with Hungarian "chrome mosaic" and a strain of tomato black ring virus). *Weinberg u.Keller* **15**, 505
Keywords: grapevine/chrome mosaic virus/tomato black ring virus/serology/relationship/Hungary/meeting/ICVG
Notes: In German. Abstr. 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967.
- Martelli, G.P. and Sarospataki, G.(1969). Nematodes of the family Longidoridae (Thorne, 1935) Meyl, 1960 found in Hungarian vineyards and virus transmission trials with Xiphinema index Thorne et Allen. *Phytopath.medit.* **8**, 1-7.
Keywords: grapevine/nematode/Longidoridae/Xiphinema index/transmission/Hungary
- Martinez, A. and Padilla, V.(1981). Selección clonal y sanitaria de la uva de mesa (Clonal and sanitary selection of table grapes). *I.Jornadas sobre la uva de mesa,Novelda* 4-20.
Keywords: 2540/grapevine/clonal selection/sanitary selection/Spain
- Martinez, A., Padilla, V., and Toledo, J.(1982). Premières observations sur la sélection clonale et sanitaire de variétés tardives de raisin de table en Espagne (First observations on clonal and sanitary selection of table grape varieties of Spain). *Symposium International "Raisin de table,raisin sec",Heraklion (Crète)(1982)*. 75-79.
Keywords: 2541/grapevine/clonal selection/sanitary selection/Spain
- Masahito, I., Tomio, S., Hideo, T., and Katsuyasu, U.(1982). Elimination of grapevine viruses by meristem tip culture. *Proc.5th Intl.Congr.Plant Tissue & Cell Culture "Plant Tissue Culture 1982",Tokyo* 807-808.
Keywords: 2542/grapevine/virus elimination/virus-free material/meristem tip culture/leafroll/Japan
- Masten, V.(1968). Eine virusähnliche Krankheit der Reben in Slovenien, Jugoslawien (A virus-like disease of grapevine in Slovenia, Yugoslavia). *Weinberg und Keller* **15**, 530-533.
Keywords: 1410/grapevine/virus-like diseases/Slovenia
- Mavraganis, S.G., Thanassouloupoulos, C.C., and Panayotou, P.C.(1976). Some observations on virus and virus-like diseases in Greek grapevines. *Vitis* **15**, 243-247.
Keywords: 1835/grapevine/fanleaf virus/tomato black ring virus/Xiphinema index/occurrence/Greece
Notes: TomBRV and fanleaf viruses identified by serology. Stem pitting in high numbers of Korinthiana on 5 BB and R 99. Fanleaf in 20- 100% of vines in N and NW Peloponnesus and isle of Zante. X. index found in most diseased vineyards.
- Mayhew, D.(1981). Index of plant virus diseases in California. *Department of Food and Agriculture* 1-49.
Keywords: 2543/virus diseases/plants/California/USA
- McGeachan, J.K.(1970). Important virus diseases of grapevines in New South Wales. *Agricult.Gaz.New South Wales* **81**, 349-52.

Keywords: 1801/grapevine/fanleaf/leafroll/fleck/enation/Australia

Notes: Describes symptoms of fanleaf virus, leafroll, fleck, and enation diseases.

McGuire, J.M., Kim, K.S., and Douthit, L.B.(1970). Tobacco ringspot virus in the nematode *Xiphinema americanum*. *Virology* **42**, 212-216.

Keywords: 1802/Xiphinema americanum/tobacco ringspot virus/virus-like particles/isometric particle/ultrastructure/electron microscopy/USA

Notes: Particles resembling those of TRSV were found in the lumina of the oesophagus.

McKenry, M.V.(1982). Strategies for control of nematodes attacking grapevines. *Proc.Grape Wine Centenn.Symp.Davis (1980)* 51-52.

Keywords: 2515/grapevine/nematodes/control/USA

Notes: This paper concerns mainly the control of direct damage due to nematodes.

McKissock, A.(1964). Two important virus diseases of grapevine in New Zealand. *N.Z.J.Agric.Res.* **108**, 332-339.

Keywords: fanleaf/yellow mosaic/New Zealand/symptoms/virus/virus diseases/grapevine

Meagher, J.W., Brown, R.H., Taylor, R.H., and Harris, A.R.(1976). Distribution of *Xiphinema index* and other parasitic nematodes associated with vines in northeast Victoria. *Austral.J.Exp.Agricult.Animal.Husb.* **16**, 932-936.

Keywords: 1836/grapevine/fanleaf/Xiphinema index/occurrence/Australia

Notes: Occurrence of *Xiphinema index* only in Rutherglen district, and frequently associated with GFV.

Meignoz, R., Caudwell, A., Kuszala, C., Schneider, C., Larrue, J., Fleury, A., and Boudon, E.(1982). Serological purification and visualization in the electron microscope of the grapevine flavescence dorée (FD) pathogen (MLO) in diseased plants' and infectious vectors' extracts. *4th Intern.Congr.of the International Organization for Mycoplasmaology (IOM),Tokyo,1982* 180-Abstract P 130

Keywords: 2544/grapevine/flavescence dorée/serology/detection/purification/immunosorbent electron microscopy/leafhopper/vector/broadbean/France

Melkonyan, M.V.(1975). Selection as a means of controlling grape virus diseases. *Biol.Zh.Armenii* **28(8)** , 45-50.

Keywords: 1840/grapevine/selection/virus diseases/nematode/vectors/soil disinfection/control/USSR/Armenia

Notes: Nematode vectors and soil treatment also discussed.

Mendgen, K.(1971). Untersuchungen über eine Vergilbungskrankheit der Reben an Rhein, Mosel und Saar (Research on a yellows disease of grapevine in Rhine, Mosel and Saar regions). *Weinberg und Keller* **18**, 345-431.

Keywords:

1837/grapevine/yellows/Vergilbungskrankheit/symptoms/ultrastructure/histology/electron microscopy/etiology/Germany

Notes: Thread-like structure similar to closteroviruses were observed, but their significance was not evaluated.

Mendonça, A.d.(1966). Tratamentos térmicos da videira. Obtenção de plantas sas a partir de plantas infectadas por virus (Heat treatment of grapevine. Obtention of healthy plants from virus infected plants). *Agricultura* **32**, 5-8.

Keywords: grapevine/virus/heat therapy/Portugal

Mendonça, A.d. and Corte, G.(1980). Notes on 'Lenho rugoso' {Rugose wood} of grapevine in Madeira Islands. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 81-86.

Keywords: 2545/grapevine/rugose wood/Madeira Islands/Portugal

- Mendonça, A.d., Sequeira, O.A.d., Mota, M., Pereira, A.M.N., and Simoes, V.(1980). Detection and identification of CM-112 grapevine virus by immune electron microscopy. *Cienc.Biol.Mol.Cell.Biol.* **5(4)**, 30-Abstract
Keywords: 2546/grapevine/CM 112/Bulgarian latent virus/serology/detection/immunosorbent electron microscopy/Portugal
- Mendonça, A.d., Sequeira, O.A.d., Mota, M., Pereira, A.M.N., and Simoes, V.(1980). Applicability of immunosorbent electron microscopy (ISEM) for the detection and identification of CM 112 virus in grapevine. *Proc. 7th Meeting ICVG, Niagara Falls (Canada Agriculture, Research Branch)*. 245-250.
Keywords: 2547/grapevine/CM 112/Bulgarian latent virus/serology/detection/immunosorbent electron microscopy/Portugal
- Mendonça, A.d.V.E., Sequeira, O.A.d., and Ferreira, A.A.(1972). Sur l'isolement d'un virus à partir de cultures de tissus de vigne (Isolation of a virus from tissue cultures of grapevine). *Ann.Phytopathol. (No hors série)*, 143-145.
Keywords: 1838/grapevine/tissue culture/isometric particles/mechanical transmission/herbaceous hosts/serology/relationships/CM 112/Bulgarian latent virus/Portugal
Notes: Virus-induced symptoms different from fanleaf on herbaceous plants. the virus is serologically related to CM 112 recently isolated virus (Ferreira and Sequeira, ibidem, 113-120), which was found later to be a strain of GBLV.
- Mendonça, A.d.V.E., Sequeira, O.A.d., and Mota, M.(1974). Mycoplasma-like structures extracted from *Vitis vinifera* L. and observed by the negative staining technique. *Agronomia Lusit.* **35**, 277-282.
Keywords: 1839/grapevine/mycoplasma-like organisms/electron microscopy/Portugal
- Meredith, C.P., Lider, L.A., Raski, D.J., and Ferrari, N.L.(1982). Inheritance of tolerance to Xiphinema index in *Vitis* species. *Amer.J.Enol.Viticult.* **33**, 154-158.
Keywords: 2548/grapevine/Xiphinema index/multiplication/variatal sensitivity/Vitis/California/USA
- Michon, E.(1982). Virus, pollen, pollinies. *Agronomie* **2**, 783-Abstract
Keywords: 2549/grapevine/fanleaf virus/ultrastructure/pollen/France
- Michon, E.(1982). Virus, pollens, pollinies. *Rev.Cytol.Biol.Veg.,Le Botaniste* **5(1)**, 31-41.
Keywords: 2550/grapevine/pollen/fanleaf virus/ultrastructure/electron microscopy/France
Notes: Virus-like particles of paraspherical shepe were found in the cytoplasm of grapevine pollen from male grapevines infected with fanleaf virus.
- Mikusova, A. and Vanek, G.(1974). Testing of virus diseases of grapevine on herbaceous indicator plants.(In Slovak). *Vinohrad* **12**, 232-233.
Keywords: 1841/grapevine/virus diseases/virus-free material/indexing/herbaceous hosts/mechanical transmission/Czechoslovakia
- Mikusova, A. and Vanek, G.(1975). Heat treatment of grapevine virus diseases in practice.(In Slovak). *Vinohrad* **13**, 10
Keywords: 1842/grapevine/heat therapy/methods/Czechoslovakia
- Mikusova, A., Vanek, G., and Krivanek, V.(1977). Thermotherapy of new grapevine clones in practice. (In Slovak). *Vinohrad* **15**, 104-105.
Keywords: 1844/grapevine/heat therapy/methods/Czechoslovakia
- Mikusova, A., Vanek, G., and Krivanek, V.(1977). Morphological differences between virus-infected grapevines and grapevines cured by heat treatment. (In Slovak). *Sb.UVTIZ-Ochrana Rostlin* **13**, 161-167.
Keywords: 1845/grapevine/heat therapy/morphology/comparison/Czechoslovakia

- Mikusova, A., Vanek, G., and Boinansky, V.(1978). Thermotherapy of grapevine in practice.(In Slovak). *Sb.UVTIZ-Ochrana Rostlin* **14**, 29-34.
Keywords: 1843/grapevine/heat therapy/methods/Czechoslovakia
- Mikusova, A.(1979). Technique and effectiveness of thermotherapy.(In Russian, Eng., Fr., Slovak sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra* 93-100.
Keywords: 2551/grapevine/heat therapy/methods/Czechoslovakia
- Milholland, R.D., Huang, P.Y., Clayton, C.N., and Jones, R.K.(1981). Pierce's disease on muscadine grapes in North Carolina. *Plant Dis.* **65**, 73-74.
Keywords: 2552/grapevine/Pierce's disease/occurrence/muscadine/North Carolina/USA
- Milkus, B.N.(1968). The grapevine infectious yellow mosaic. *Zashch.Rast.* **13(11)**, 40-41.
Keywords: grapevine/yellow mosaic/fanleaf virus/USSR/Ukraine
- Milkus, B.N.(1970). Some anatomical and biochemical peculiarities of grapevine affected by yellow mosaic virus disease.(In Russian). *Proc.2nd All-Union.Conf.of Viticulturists,Moscow.* 49-50.
Keywords: 1846/grapevine/yellow mosaic/morphology/histology/biochemistry/Ukraine
- Milkus, B.N. and Shterenberg, P.M.(1972). Grapevine virus diseases in Ukraine. *2nd Congr.Yugoslav.Microbiol with Internat.Participants,Opatija (Yugoslavia)* 250-251.
Keywords: 1859/grapevine/virus diseases/virus-like diseases/Ukraine
- Milkus, B.N. and Styts'ko, S.A.(1972). Distribution of photosynthetic assimilates in grapevine infected by infectious chlorosis (yellow mosaic) virus. (In Ukrainian). *Vinogradar i Vinorob* **13**, 53-57.
Keywords: 1865/grapevine/infectious chlorosis/physiology/Ukraine
- Milkus, B.N., Shterenberg, P.M., and Tsherevkova, D.S.(1973). The nematode fauna in the Northern Black Sea zone. *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 103-106.
Keywords: 1863/grapevine/nematodes/Ukraine
- Milkus, B.N.(1974). Mycoplasma- or chlamydia-like bodies in grape, affected by marbour. *Acta Phytopathol.Acad.Scient.Hung.* **9(3/4)**, 385-388.
Keywords: 1847/grapevine/fleck/mycoplasma-like organisms/etiology/electron microscopy/antibiotics/Ukraine
Notes: Electron microscopy study of grapevine plants affected by fleck (marbrure). Mycoplasma-like organisms observed in phloem cells of diseased vines. Inhibitory effect of tetracycline antibiotics on the disease.
- Milkus, B.N. and Novits'ky, V.I.(1974). Mycoplasma-like bodies in grape leaves affected with marble disease. (In Russian, Eng. sum.). *Mikrobiol.Zhur.(Kiev)* **36(4)**, 514-516.
Keywords: 1857/grapevine/mycoplasma-like organisms/fleck/associated/electron microscopy/ultrastructure/Ukraine
Notes: Marble disease and "Marbour" originate from the French "Marbrure", disease name synonym of fleck.
- Milkus, B.N.(1975). The influence of grapevine infectious chlorosis virus on chloroplast ultrastructure. *Acta Phytopathol.Acad.Scient.Hung.* **10 {3/4}**, 179-184 {Engl.
Keywords: 1848/grapevine/infectious chlorosis/ultrastructure/chloroplasts/electron microscopy/Ukraine
- Milkus, B.N. and Ereemeeva, N.E.(1975). Effect of grapevine chlorosis virus on protein metabolism in the plant. (in Russian, Eng. sum.). *Fiziol.Biokhim.Kul'turn.Rast.USSR* **7(5)**, 503-565.
Keywords: 1854/grapevine/infectious chlorosis/protein metabolism/biochemistry/Ukraine

- Milkus, B.N., Shtein-Margolina, V.A., and Kozar, F.E.(1975). Transformation of ultrastructure of grape leaves under the effects of infectious chlorosis virus.(In Russian, Eng. sum.). *Sel'skokhoz.Biol.* **10(4)**, 548-550.
Keywords: 1858/grapevine/infectious chlorosis/ultrastructure/electron microscopy/Ukraine
- Milkus, B.N., Shterenberg, P.M., and Tsherevkova, D.S.(1975). Nematodes of genus *Xiphinema* (Longidoridae) in vineyards of South Ukraine. (In Russian, Eng. sum.). *Zoologich.Zhur.USSR* **54**, 1248-1250.
Keywords: 1864/grapevine/Longidoridae/Xiphinema/Ukraine
- Milkus, B.N.(1976). The free amino acid composition of healthy grapevines and of grapevines infected by yellow mosaic virus. (In Russian). *Proc.Inst.Biol.Pedol.Far-East Sci.Centre Acad.Sci.USSR* **40(143)**, 90-97.
Keywords: 1849/grapevine/yellow mosaic/fanleaf virus/physiology/biochemistry/Ukraine
Notes: Part of a series of papers under the title: Virusnye bolzeni rastenii Dalnego Vostoka (Virus diseases of plants of the Far-East).
- Milkus, B.N.(1976). Multivesicular bodies and microbodies in the tissues of infectious-chlorosis-virus-infected grapevines. (In Russian, Eng. sum.). *Sel'skokhoz.Biol.* **11(2)**, 297-298.
Keywords: 1850/grapevine/infectious chlorosis/ultrastructure/electron microscopy/Ukraine
- Milkus, B.N., Marinescu, V.G., Samonina, J.N., and Krylow, A.W.(1976). Viruskrankeiten der Reben in der Sowjetunion. (Virus diseases of grapevine in Soviet Union). *Weinberg und Keller* **23**, 419-435.
Keywords: 1856/grapevine/fanleaf/yellow mosaic/veinbanding/leafroll/fleck/vein mosaic/vein necrosis/infectious necrosis/infectious chlorosis/tobacco mosaic virus/serology/indexing/herbaceous hosts/graft transmission/woody indicators/Ukraine/USSR
Notes: Indexing and serology prove the presence of fanleaf, yellow mosaic, veinbanding, and graft transmission demonstrated leafroll, as well as fleck, chlorotic mosaic, wood pitting, vein mosaic, vein necrosis, interveinal necrosis and infectious necrosis. TMV was isolated and new grapevine line pattern is described.
- Milkus, B.N.(1977). *Technologia virastivaniya bezvirusnogo posadotchnogo materiala plodovich kultur i vinograda* (The technology of production of virus-free planting material of fruit trees and grapevines). (AnonymousStiintza, Kishinev, Moldavia. 98-102.
Keywords: 1851/grapevine/mycoplasma-like organisms/chlamidia-like organisms/rickettsia-like organisms/diseases/associated/Ukraine
- Milkus, B.N.(1977). Electron microscope study of leaf cells of grapevines infected by yellow mosaic virus. (In Russian). *Izv.Akad.Nauk.Moldav.SSR,Ser.Biol.i Chim.Nauk.* **2**, 41-45.
Keywords: 1852/grapevine/yellow mosaic/fanleaf virus/ultrastructure/electron microscopy/Ukraine
- Milkus, B.N., Shterenberg, P.M., and Berezovskaya, E.A.(1977). *Technologia virastivaniya bezvirusnogo posadotchnogo materiala plodovich kultur i vinograda* (The technology of production of virus-free planting material of fruit trees and grapevines). (AnonymousStiintza, Kishinev, Moldavia. 95-98.
Keywords: 1860/grapevine/virus diseases/virus-like diseases/Ukraine
- Milkus, B.N., Shterenberg, P.M., and Berezovskaya, E.A.(1977). Strains of grapevine fanleaf virus in Ukrainian vineyards. (In Russian, Eng. str.). *Proc.Inst.Biol.Pedol.Far-East Sci.Centre Acad.Sci.USSR* **46(149)**, 254-259.
Keywords: 1861/grapevine/fanleaf virus/strains/Ukraine
Notes: This paper is included in a series entitled: Shtami virusov rastenii (Plant virus strains).
- Milkus, B.N.(1978). Mycoplasma diseases of grapevine in Ukraina. *4th Internat.Congr.Virol.,The Hague (Netherlands)* 176-Abstract

- Keywords:** 1853/grapevine/vein necrosis/fleck/mycoplasma-like organisms/chlamidia-like organisms/associated/etiology/ultrastructure/Ukraine
- Notes:** Fleck or marbrure ("marbour") and vein necrosis of grapevine are commonly found in Ukraine. Microorganisms identified as members of the PLT group (Chlamidia, Bedsonia) have been found in phloem sieve cells of grapevines affected by fleck, while typical mycoplasmas were found in phloem parenchyma cells of grapevines affected by vein necrosis.
- Milkus, B.N. and Kalaschyan, J.A.(1978). Mycoplasma-like bodies in phloem tissue of grapevine affected by vein necrosis. (In Russian). *Izv.Akad.Nauk.Moldav.SSR,Ser.Biol.i Chim.Nauk.* **1**, 19-30.
Keywords: 1855/grapevine/mycoplasma-like organisms/vein necrosis/Ukraine
- Milkus, B.N., Shterenberg, P.M., and Berezovskaya, E.A.(1978). Some new virus and rickettsialike diseases of grapevine found in Ukraine. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 31-34.
Keywords: 1862/grapevine/vein necrosis/infectious necrosis/rickettsia-like organisms/Ukraine
Notes: Transmission by graft only; vein necrosis, vein pattern mosaic, intervein chlorosis, and infectious necrosis. Best indicator for vein necrosis was 110 R, and for infectious necrosis was Riparia Gloire. Infectious necrosis apparently a rickettsialike organism.
- Milkus, B.N.(1980). *Plant virus strains and their practical use.* (AnonymousLatvian Agricultural Academy, Elgava, Nr 191., 96-100.
Keywords: 2553/grapevine/vein necrosis/mycoplasma-like organisms/strain/Ukraine
- Milkus, B.N. and Kudinskaya, E.V.(1980). *Conference on scientific and technical progress in viticulture and enology. 70th anniversary of the Moldavian Institute of Viticulture and Enology, Kishinev, 1980.* (AnonymousMoldavian Research Institute of Viticulture and Enology, Kishinev, Moldavia. 134-135.
Keywords: 2555/grapevine/yellows/mycoplasma-like organisms/review/USSR
- Milkus, B.N. and Kudinskaya, E.V.(1980). Nematodes vectors of viral diseases of grapevine in the Ukraine (In Russian). *Nauchnye Doklady Vysshei Shkoly,Biologicheskii Nauki* **11**, 32-35.
Keywords: 2556/grapevine/virus diseases/nepoviruses/nematode/vector/Xiphinema index/Xiphinema vuittenezi/ultrastructure/Ukraine
Notes: X.index is vector of GFLV, X. vuittenezi is not. Observation of viral particles in EM sections in the anterior par of the oesophagus and the intestine of X.index.
- Milkus, B.N., Bobyreva, I.V., and Enyutina, M.A.(1984). Grapevine vein mosaic in Ukraine (In Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **5**, 33-34.
Keywords: 2554/grapevine/vein mosaic/occurrence/Ukraine
- Millikan, D.F., Pickett, E.E., and Hemphill, D.D.(1963). Some preliminary observations on the potassium, magnesium and protein content of grape leaf tissue associated with the leafroll virus and low potassium nutrition. *Pl.dis.reptr.* **47**, 213-215.
Keywords: grapevine/leafroll/potassium/magnesium/protein/tissue/physiology/USA
- Millikan, D.F., Koirtzmann, S.R., and Upchurch, W.J.(1965). Effect of varying levels of potassium and the leaf roll virus upon mineral content of grape tissue. *Pl.dis.reptr.* **49**, 36-38.
Keywords: grapevine/leafroll/nutrition/USA
- Milne, R.G.(1980). Some observations and experiments on immunosorbent electron microscopy of plant viruses. *5th International Symposium on Virus diseases of ornamental plants,Bad Harzburg.Acta Horticulturae* **110**, 129-135.
Keywords: 2557/grapevine/stem pitting/isometric particles/serology/detection/immunosorbent electron microscopy/methods/Italy

- Milne, R.G., Conti, M., Lesemann, D.E., Stellmach, G., Tanne, E., and Cohen, J.(1984). Closterovirus-like particles of two types associated with diseased grapevines. *Phytopathol.Z.* **110**, 360-368.
Keywords: 2558/grapevine/stem pitting/leafroll/closterovirus-like particles/grapevine virus A/grapevine virus B/serology/immunosorbent electron microscopy/Italy
- Mink, G.I.(1969). *Research Progress. Bull. 707, Wash. State Agric.Exp.Station.* (AnonymousWashington Agricultural Experimental Station, Prosser, Washington, USA. 51
Keywords: 1411/grapevine/virus diseases/virus-like diseases/review/USA
- Mink, G.I. and Parsons, J.L.(1975). Rapid indexing procedure for detecting yellow speckle disease in grapevines. *Plant Dis.Reptr.* **59 {11}**, 869-872.
Keywords: 1866
Notes: LN-33 indicator plants inoculated with yellow speckle virus expressed no symptoms when cultivated during 4 weeks at 32° C, but developed typical yellow speckle symptoms 1 to 3 weeks after transfer to 18 to 20° C
- Mink, G.I. and Parsons, J.L.(1977). Procedures for rapid detection of virus and viruslike diseases of grapevine. *Plant Dis.Reptr.* **61(7)**, 567-571.
Keywords: 1867/grapevine/fanleaf/fleck/leafroll/corky bark/indexing/woody indicators/growth chamber/symptoms/USA
Notes: Use of growth chambers for rapid symptom expression of grapevine fleck, fanleaf, leafroll and corky bark on Vitis indicators.
- Mircetic, S.M., Lowe, S.K., Moller, W.J., and Nyland, G.(1976). Etiology of almond leaf scorch disease and transmission of the causal agent. *Phytopathology* **66**, 17-24.
Keywords: 1868/grapevine/Pierce's disease/almond leaf scorch/bacterium/transmission/relationships/California/USA
Notes: A bacterium found associated with almond leaf scorch-infested trees was transmitted by *Draeculacephala minerva* from almond to grape where it produced symptoms of Pierce's disease.
- Mollenhauer, H.H. and Hopkins, D.L.(1974). Ultrastructural study of Pierce's disease bacterium in grape xylem tissue. *J.Bacteriol.* **119**, 612-618.
Keywords: 1869/grapevine/Pierce's disease/ultrastructure/electron microscopy/bacterium/Florida/USA
- Mollenhauer, H.H. and Hopkins, D.L.(1976). Xylem morphology of Pierce's disease-infected grapevines with different levels of tolerance. *Physiol.Plant Pathol.* **9**, 95-100.
Keywords: 1870/grapevine/Pierce's disease/symptoms/histology/variatal sensitivity/Florida/USA
- Monette, P.L.(1983). Virus eradication through in vitro techniques. *International Plant Propagators' Society Combined Proceedings* **33**, 90-100.
Keywords: 2559/grapevine/in vitro culture/meristem tip culture/heat therapy/fanleaf virus/leafroll/ribavirin/chemotherapy/British Columbia/Canada
- Monette, P.L.(1984). *Research Highligh 1984.* (AnonymousSaanichton Research and Plant Quarantine Station, Sidney, B.C., Canada. 1-4.
Keywords: 2560/grapevine/in vitro culture/meristem tip culture/heat therapy/chemotherapy/British Columbia/Canada
- Montero, F.(1981). Selecccion clonal sanitaria de la variedad Monastrel (Clonal and sanitary selection of the variety Monastrel). *Vina y Vino* **6**, 34-37.
Keywords: 2561/grapevine/clonal selection/sanitary selection/Spain
- Morando, A., Corino, L., and Novello, V.(1981). Pigmentazioni anormali su vite (Abnormal pigmentation on grapevine). *Informatore Agrario* **37**, 18175-18192.
Keywords: 2562/grapevine/pigmentation/abnormalities/symptoms/virus diseases/virus-like

diseases/mineral deficiency/Italy

Notes: Abnormal pigmentation of grapevine foliage due to various causes is illustrated by colour plates and described.

Morando, A., Corino, L., and Novello, V.(1982). Disseccamenti su vegetazione di vite (Dessication of grapevine foliage). *Informatore Agrario* **38**, 18815-18838.

Keywords: 2563/grapevine/disorders/dessication/virus diseases/virus-like diseases/Italy

Moretti, F., Mancini, G., Cotroneo, A., Quaglino, A., and Albano, P.(1980). Aspetti nematologici della viticoltura nella Valle d'Aosta. (Nematological aspects of viticulture in the Aosta Valley). *Vignevini* **7**, 47-52.

Keywords: 2564/grapevine/nematodes/Italy

Morris-Krsinich, B.A.M., Forster, R.L.S., and Mossop, D.W.(1983). The synthesis and processing of the nepovirus grapevine fanleaf virus proteins in rabbit reticulocyte lysate. *Virology* **130**, 523-526.

Keywords: 2565/grapevine/fanleaf virus/protein metabolism/Australia

Mortensen J.A.(1968). The inheritance of resistance to Pierce's disease in Vitis. *Proc.Amer.Soc.Hort.Sci.* **92**, 331-337.

Keywords: grapevine/Pierce's disease/resistance/genetics/USA

Mortensen, J.A.(1973). Dog Ridge, a superior grape rootstock for Florida. *Proc.85th Ann.Meeting,Florida State Hort.Soc.,Miami Beach,USA* 275-279.

Keywords: 1871/grapevine/Pierce's disease/resistance/rootstock/Florida/USA

Notes: Dog Ridge rootstock is resistant to Pierce's disease.

Mortensen, J.A., Stover, L.H., and Balerdi, C.F.(1977). Sources of resistance to Pierce's disease in Vitis. *J.Amer.Soc.Hort.Sci.* **102**, 695-697.

Keywords: 1872/grapevine/Pierce's disease/resistance/Florida/USA

Moutous, G. and Fos, A.(1972). La lutte contre la Flavescence dorée et les Cicadelles de la Vigne (Control of flavescence dorée and grape leafhoppers). *Rev.Zool.Agric.Pathol.Vég.* **71(19)**, 55-60.

Keywords: 1873/grapevine/flavescence dorée/leafhopper/control/France

Notes: Good control of the leafhopper *Scaphoideus littoralis* was obtained with 2 insecticide treatments {carbophenothion + mevinphos}, the first at the end of June, the second at the end of July or beginning of August.

Moutous, G. and Fos, A.(1977). Définitions des symptômes de la "Flavescence dorée" sur les variétés porte-greffes (Symptoms of flavescence dorée on rootstocks). *Rev.Zool.Agric.Pathol.Vég.* **76(3)**, 90-98.

Keywords: 1874/grapevine/flavescence dorée/symptoms/rootstocks/France

Moutous, G., Fos, A., Besson, J., Joly, E., and Biland, P.(1977). Résultats d'essais ovicides contre *Scaphoideus littoralis* BALL., Cicadelle vectrice de la Flavescence dorée (Results of insecticide sprays against eggs of *Scaphoideus littoralis* BALL, leafhopper vector of flavescence dorée). *Rev.Zool.Agric.Pathol.Vég.* **76(2)**, 37-49.

Keywords: 1875/grapevine/*Scaphoideus littoralis*/flavescence dorée/vector/leafhopper/control/insecticide sprays/France

Notes: Good control of *Scaphoideus littoralis*, vector of the Flavescence dorée, can be obtained by spraying with oleoparathion against the eggs in winter or early spring and again with an insecticide in June against the larvae.

Moutous, G.(1979). Les cicadelles de la vigne: méthodes de lutte (Grapevine leafhoppers: control methods). *Progr.Agric.Vitic.* **96**, 232-235.

Keywords: 2566/grapevine/leafhopper/flavescence dorée/*Scaphoideus littoralis*/control/France

- Moutous, G.(1983). Vigne - Les cicadelles (Grapevine - the leafhoppers). *Phytoma* **(350)**, 26-27.
Keywords: 2567/grapevine/flavescence dorée/leafhopper/Scaphoideus littoralis/control/France
- Mur, G., Valat, C., and Branas, J.(1972). Elimination de la pigmentation anthocyanique tardive (enroulement) par thermothérapie (Elimination of leafroll by heat therapy). *Progr.Agric.Vitic.* **89**, 4-7.
Keywords: 1880/grapevine/heat therapy/leafroll/France
Notes: Un traitement de 70 jours à 38° C sur un clone de Syrah a fait disparaître la pigmentation anthocyanique {enroulement} transmissible
- Mur, G., Valat, C., and Branas, J.(1972). Effects de thermothérapie (Consequences of heat therapy). *Progr.Agric.Vitic.* **89**, 125-127.
Keywords: 1881/grapevine/heat therapy/morphology/abnormalities/France
Notes: La thermothérapie, pratiquée sur des boutures herbacées de vigne cultivées en tubes sur un milieu artificiel, entraîne certaines modifications concernant la vigueur, la reprise au bouturage, la découpe du limbe, la pubescence de la face inférieure du limbe, la couleur rouge du rameau, la coloration bronzée des jeunes feuilles. Plusieurs hypothèses sont proposées pour expliquer ces phénomènes.
- Mur, G.(1975). Influence de la thermothérapie sur la germination du pollen (Influence of heat therapy on pollen germination). *Progr.Agric.Vitic.* **92(15/16)**, 474
Keywords: 1877/grapevine/heat therapy/pollen/France
- Mur, G.(1975). Thermothérapie du court-noué (Heat therapy of fanleaf). *Progr.Agric.Vitic.* **92**, 490-491.
Keywords: 1878/grapevine/heat therapy/fanleaf/France
Notes: A method for heat treatment. Plants are cultured in tubes supported in hot water bath.
- Mur, G. and Markovitch, R.(1978). Influence of in vitro thermotherapy treatments on the rooting rootstocks (shoots and roots development). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 349
Keywords: 1879
Notes: In vitro thermotherapy during 3 months at 35° C increases the vigour of grapevine rootstocks. This increase is greater after 2 successive treatments than after only one, and is still evident 5 years after the treatment.
- Mur, G.(1979). Thermothérapie de variétés de Vitis vinifera par la méthode de culture in-vitro. Quelques observations - Quelques résultats (Heat therapy of some Vitis vinifera cultivars by the in vitro method. Observations and results). *Progr.Agric.Vitic.* **96**, 148-151.
Keywords: 2568/grapevine/heat therapy/in vitro culture/shoot tip culture/Galzy method/France
- Murant, A.F. and Lister, R.M.(1967). Seed transmission in the ecology of nematode-borne viruses. *Ann.Appl.Biol.* **59**, 63-76.
Keywords: viruses/nematode/transmission/seed transmission/vector/England
- Murant, A.F.(1981). *Handbook of Plant Virus Infections. Comparative Diagnosis.* (Kurstak, E., Ed.) Elsevier-North Holland Biomedical Press, Amsterdam, New York, Oxford (943 pp). 197-238.
Keywords: 2569/nepoviruses/properties/virus diseases/review/handbook/United Kingdom
- Müller-Stoll, W.R. and Balbach, H.(1939). Untersuchungen über die Reisigkrankheit der Weinrebe. 1. Die Morphologie der Zellstäbe und ihre Verteilung im Holzkörper. *Wein u.Rebe* **21**, 277-307.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/trabeculae/Germany
- Müllner, L.(1975). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport autrichien. (Clonal and sanitary selection. Methods and results. Distribution of selected material. Austrian report). *Bull.OIV* **48(532)**, 519-522.

Keywords: 1876/grapevine/clonal selection/sanitary selection/methods/results/certification/Austria

Nagy, B.(1980). Practical aspects of the program on the production of virus-free propagating material in Hungary. *Acta Phytopathol.Acad.Scient.Hung.* **15**, 33-37.

Keywords: 2570/grapevine/virus-free material/indexing/heat therapy/clonal selection/sanitary selection/certification/Hungary

Nagy, B.(1980). Practical aspects of the program on the production of virus-free propagating material in Hungary. *Acta Horticulturae* (**94**), 33-37.

Keywords: 2570/grapevine/virus-free material/indexing/heat therapy/clonal selection/sanitary selection/certification/Hungary

Namba, S., Yamashita, S., Doi, Y., and Yora, K.(1979). A small spherical virus associated with the ajinashika disease of Koshu grapevine. *Ann.Phytopathol.Soc.Japan* **45**, 70-73.

Keywords: 2571/grapevine/ajinashika disease/isometric particles/Japan

Namba, S., Yamashita, S., Doi, Y., Yora, K., Terai, Y., and Yano, R.(1979). Grapevine leafroll virus, a possible member of closteroviruses. *Ann.Phytopathol.Soc.Japan* **45**, 497-502.

Keywords: 2573/grapevine/leafroll/closterovirus-like particles/etiology/Japan

Namba, S., Yamashita, S., Doi, Y., and Yora, K.(1981). Direct fluorescence detection method (DFD method) for diagnosing yellow-type virus diseases and mycoplasma diseases of plants. *Ann.Phytopathol.Soc.Japan* **47**, 258-263.

Keywords: 2572/grapevine/leafroll/ajinashika disease/fluorescence/detection/Japan

Notes: Direct fluorescence method is based on the development of naturally fluorescent substances produced in necrotic phloem cells. It gave promising results with ajinashika disease and leafroll of grape.

Navas, A. and Arias, M.(1983). Los nematodos transmisores de virus en los cultivos de la Rioja y su relacion con las enfermedades de la vid. Resumenes de comunicaciones presentadas a la IV, V y VI reunion del Grupo de Fitopatologia de la Sociedad Espanola de Microbiologia (The nematode vectors of viruses in Rioja and their relation with grapevine diseases. Summaries of the papers presented at the 4th, 5th and 6th meeting of the Spanish Society of Microbiology). *Monografias INIA* 117

Keywords: 2574/grapevine/nematodes/vector/nepoviruses/Spain

Navas, A., Arias, M., and Bello, A.(1983). Estudio de los factores que influyencen la distribucion de los nematodos ectoparasites transmisores de virus del genero Xiphinema en la Region central. Resumenes de comunicaciones presentadas a la IV, V y VI reunion del Grupo de Fitopatologia de la Sociedad Espanola de Microbiologia (Study of the factors influencing the distribution of ectoparasitic nematodes vectors of viruses of the genus Xiphinema in the Central Region). *Monografias INIA* 22-23.

Keywords: 2575/grapevine/nematodes/vector/Xiphinema/nepoviruses/Spain

Neagu, M., Oslobeanu, M., Lepadatu, V., Negreanu, E., and Popescu, G.H.(1974). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport roumain. (Clonal and sanitary selection. Methods and results. Distribution of selected material. Rumanian report). *Bull.OIV* **47(535)**, 867-880.

Keywords: 1882/grapevine/clonal selection/sanitary selection/methods/results/certification/Rumania

Nel, A.C. and Engelbrecht, D.J.(1972). Grapevine virus diseases in South Africa and the influence of latent viruses in the nursery. *Ann.Phytopathol.* **No. hors série**, 67-74.

Keywords: 1883/grapevine/fleck/leafroll/corky bark/South Africa

Notes: Indexing on LN 33 and Rupestris St. George showed the widespread distribution of fleck,

leafroll and corky bark in South African wine grape vineyards. Less than 1% of the vines tested were free from one or more of the diseases, Indexing on LN 33 and Rupestris St. George showed the widespread distribution of fleck, leafroll and corky bark in South African wine grape vineyards. Less than 1% of the vines tested were free from one or more of the diseases

Nicita, G.(1981). I nematodi viventi nella rizosfera della vite nel Lazio (The nematodes living in the rhizosphere of grapevine in Latium). *Informatore Fitopatol.* **31**, 11-12.

Keywords: 2576/grapevine/nematodes/Italy

Nicollier, J.(1970). Le Païen du Valais appelé ailleurs Savagnin et Traminer et les problèmes qu'il soulève (The cv. Païen of Valais, also called Savagnin and Traminer and the problems it raises). *Rev.suisse Vitic.Arboric.* **2**, 79-83.

Keywords: grapevine/rugose wood/legno riccio/symptoms/Switzerland

Nicollier, J.(1979). Der Heida und die Rillenkrankheit (The grapevine cv. Heida or Païen and stem pitting disease). *Schweiz Z.Obst- und Weinbau* **115**, 288-290.

Keywords: 2577/grapevine/stem pitting/legno riccio/Switzerland

Nieder, G.(1982). Die Reisigkrankheit - Eine Virose des Weinstockes (The "Reisigkrankheit"- a virus diseases of grapevine). *Pflanzenarzt* **35**, 72-73.

Keywords: 2578/grapevine/Reisigkrankheit/fanleaf/nepoviruses/symptoms/control/Austria

Nieder, G.(1983). Die Enationenkrankheit der Rebe erstmals auch in Oesterreich nachgewiesen (Enation disease also recorded in Austria). *Pflanzenarzt* **36**, 97-98.

Keywords: 2579/grapevine/enation/occurrence/Austria

Nieder, G.(1983). Die infektiöse Panaschüre der Rebe erstmals auch in Österreich nachgewiesen (Yellow mosaic also observed for the first time in Austria). *Pflanzenarzt* **36**, 111-112.

Keywords: 2580/grapevine/yellow mosaic/occurrence/Austria

Nieder, G.(1984). Entwurf eines Bestimmungsschlüssels für Kümmerwuchs und Absterbeerscheinung an Reben (Outline of a key for the diagnosis of dwarf growth and dieback phenomena of grapevines). *Pflanzenarzt* **37**, 70-73.

Keywords: 2581/grapevine/dieback/dwarf growth/diagnosis/Austria

Nielson.M.W. and Gill, R.J.(1984). Amphigonalia bispinosa, a new leafhopper species from California and the replacement vector species for Amphigonalia severini (DeLONG) (Homoptera: Cicadellidae: Cicadellinae). *J.Kansas.Entomol.Soc.* **57**, 400-404.

Keywords: 2582/grapevine/Pierce's disease/leafhopper/vector/classification/California/USA

Notes: New species of leafhopper in California, vector of Pierce's disease. Replaces A. severini, with which A. bispinosa had been mistaken, and which does not exist in California. Key to classification.

Nienhaus, F.(1976). Rickettsien, Mykoplasmen und Spiroplasmen als Erreger von Pflanzenkrankheiten (Rickettsia, mycoplasma and spiroplasma as agents of plant diseases). *Ber.Dt.Bot.Ges.* **89**, 531-545.

Keywords: 1884/grapevine/mycoplasma-like organisms/rickettsia-like organisms/diseases/Germany

Notes: Review on rickettsia-, mycoplasma- and spiroplasma-like organisms causing diseases in various plants, including grapevine.

Nienhaus, F.(1977). Erste Beobachtungen über Antiviralfaktoren in Reben nach Virusinfektion (First observation on an antiviral factor induced in grapevines following virus infection). *Symposium "Moderne Aspekte der Qualitätsweinerzeugung", Staatl.Weinbauinstitut,Freiburg i.Br.(Germany)* 218-225.

Keywords: 1885/grapevine/viruses/inhibitor/Germany

Notes: An antiviral factor systemically induced after virus infection on new varieties of grapevines was demonstrated and characterized as a substance of high molecular weight; probably a protein compound acting nonspecifically against viruses.

Nienhaus, F. and Babovic, M.(1978). Beobachtungen über einen induzierten Antiviralfaktor in Rebenblättern nach Infektion durch das Tomatenringfleckenvirus (Observations on an antiviral factor in grapevine leaves after infection with tomato ringspot virus). *Z.Pflanzenkrankh.Pflanzensch.* **85**, 238-246.

Keywords: 1886/grapevine/tomato ringspot virus/inhibitor/Germany

Notes: Infection of grapevine seedlings by tomato ringspot virus induces the formation of an antiviral substance that inhibits the development of the inducing virus and also the infection by tobacco mosaic virus.

Nienhaus, F. and Rumbos, I.(1978). Rickettsialike organisms in grapevines with yellow disease in Germany. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 223-236.

Keywords: 1887/grapevine/yellows/Vergilbungskrankheit/rickettsia-like organisms/associated/etiology/Germany

Notes: Symptoms similar to FD; RLO found in ultrathin sections of petioles. During spring RLO observed in phloem and surrounding tissues. Suggests soil-borne nature of RLO's.

Nienhaus, F., Rumbos, I., and Green, S.(1978). Rickettsialike organisms isolated from plants cultivated in chick embryo. *3rd Internat. Congr.Plant Pathol.,Munich (Germany)* 62-Abstract

Keywords: 1888/grapevine/yellows/Vergilbungskrankheit/rickettsia-like organisms/associated/etiology/Germany

Nienhaus, F., Rumbos, I., and Greuel, E.(1978). First results in the cultivation of rickettsia-like organisms of yellow diseased grapevines in chick embryos. *Z.Pflanzenkrankh.Pflanzensch.* **85**, 113-117.

Keywords: 1889/grapevine/yellows/Vergilbungskrankheit/rickettsia-like organisms/culture/Germany

Nienhaus, F. and Von Der Brelie, D.(1982). Flavannachweis als Färbeverfahren zur Vorselektion blattrollkranker Reben (Flavan detection as a colour test for a first diagnosis of leafroll). *Z.Pflanzenkrankh.Pflanzensch.* **89**, 720-729.

Keywords: 2583/grapevine/leafroll/detection/colour test/Germany

Nishio, T., Kobayashi, T., and Kato, M.(1981). The detection of grapevine fanleaf virus by enzyme-linked immunosorbent assay (ELISA). *Res.Bull.Plant Protection Service,Japan* **17**, 43-50.

Keywords: 2584/grapevine/fanleaf virus/detection/serology/ELISA/Japan

Nomé, S.F., Raju, B.C., Goheen, A.C., Nyland, G., and Docampo, D.M.(1980). Enzyme-linked immunosorbent assay for Pierce's disease bacteria in plant tissues. *Phytopathology* **70**, 746-749.

Keywords: 2585/grapevine/Pierce's disease/bacterium/detection/serology/ELISA/Japan

Novak, F.J.(1980). Vermehrung, Virustherapie und Veredlung von Reben durch Explantatkulturen (Multiplication, heat therapy and selection of grapevine by explant cultures). (In Czech). *Vinohrad* **18**, 39-31.

Keywords: 2586/grapevine/in vitro culture/propagation/heat therapy/Czechoslovakia

Novak, F.J. and Jukova, Z.(1980). Hormonal regulation of the development of isolated grapevine shoot tips under in vitro conditions.(In Czech, Eng., Germ., Russ. sum.). *Sb.UVTIZ-Ochrana Rostlin* **16**, 241-252.

Keywords: 2587/grapevine/in vitro culture/growth/shoot tip culture/Czechoslovakia

Novak, J.B. and Lanzova, J.(1976). Identification of alfalfa mosaic virus and tomato bushy stunt virus in hop (*Humulus lupulus* L.) and grapevine (*Vitis vinifera*, ssp. *sativa* (DC./HEG1) plants in

- Czechoslovakia. *Biol.Plant.(Prague)* **18(2)**, 152-154.
Keywords: 1890/grapevine/alfalfa mosaic virus/tomato bushy stunt virus/occurrence/electron microscopy/ultrastructure/Czechoslovakia
- Novak, J.B. and Lanzova, J.(1980). Demonstration of the tomato bushy stunt virus on grapevine cv. Neuburg. *Sb.UVTIZ-Ochrana Rostlin* **16**, 97-100.
Keywords: 2589/grapevine/tomato bushy stunt virus/alfalfa mosaic virus/indexing/serology/detection/Czechoslovakia
- Novak, J.B.(1982). The influence of viruses on the growth rhythm in *Vitis vinifera*. *Incompatibility Newsletter* 23-28.
Keywords: 2588/grapevine/viruses/growth/Czechoslovakia
- Nyland, G. and Goheen, A.C.(1964). Production of virus-free material. *Intern.Plant Propagators' Soc.Combined Proc.* **14**, 314
Keywords: virus-free material/California/general/review/USA
- Nyland, G. and Goheen, A.C.(1969). Heat therapy of virus diseases of perennial plants. *Ann.Rev.Phytopathol.* **7**, 331-354.
Keywords: virus diseases/heat therapy/USA/California
- Nysterakis, F.(1946). Phylloxera vitifolii Fitch est-il le vecteur naturel de l'agent pathogène du court-noué ? (Is Phylloxera vitifolii Fitch the natural vector of the agent of fanleaf ?). *C.R.Acad.Agric.Fr.* **32**, 326-328.
Keywords: grapevine/court-noué/fanleaf/phylloxera/vector/hypothesis/France
- Olmo, H.P.(1975). The California grape certification program. *I.Semana Internacional del Vino,Jerez,Spain* 378-389.
Keywords: 1891/grapevine/certification/California/USA
Notes: A review of the California grape certification program.
- Osler, R., Fortusini, A., and Belli, G.(1975). Presenza di Scaphoideus littoralis in vigneti dell'Oltrepo pavese affetti da una malattia del tipo "Flavesence dorée"(Presence of scaphoideus littoralis in vineyards of Oltrepò pavese with symptoms of flavesence dorée). *Informatore Fitopatol.* **25 {6}**, 13-15.
Keywords: 1892/grapevine/flavesence dorée/Scaphoideus littoralis/occurrence/Italy
Notes: The disease in vineyards of Oltrepo has symptoms of FD, and the vector leafhopper Scaphoideus littoralis is present. It is suggested that the disease is identical with FD.
- Ottenwaelter, M.M., Hévin, M., and Doazan, J.P.(1973). Amélioration du rendement du bouturage des extrémités après thermothérapie sur plantes en pots par l'utilisation de la culture sur milieu nutritif gélosé stérile (Improvement of shoot tip culture after heat therapy by rooting them in a sterile agar medium). *Vitis* **12**, 46-48.
Keywords: 1893/grapevine/heat therapy/shoot tip culture/in vitro/methods/France
Notes: Faible contamination par des champignons ou des bactéries {moins de 3%}, 82% de plantes utilisables.
- Ottenwaelter, M.M., Hévin, M., Leclair, P., Doazan, J.P., and Rives, M.(1973). Heat-therapy eliminates the ability to transmit the causal agent of "marbrure" in several *V. vinifera* clones and in *V. rupestris* "du Lot" (St. George). *Riv.Patol. Veg.,Ser.IV* **9(3)**, 281-285.
Keywords: 1894/grapevine/heat therapy/fleck/results/France
Notes: Des plantes atteintes de marbrure, de différents cépages, ont été soumises à la thermothérapie, les unes étant en pots et d'autres en culture aseptique. A l'issue de traitements thermiques de durée variée, les plantes obtenues par bouturage des extrémités ont été indexées: 31 plantes sur 38 ne sont plus capables de transmettre la marbrure à Rupestris du Lot. Il ne paraît pas exister de corrélation entre la durée du traitement et son efficacité.

- Over De Linden, A.J. and Chamberlain, E.E.(1970). Production of virus-free grapevines in New Zealand. *N.Z.J.Agricult.Res.* **13**, 991-1000.
Keywords: 1895/grapevine/sanitary selection/virus elimination/virus-free material/New Zealand
- Over De Linden, A.J. and Chamberlain, E.E.(1970). Effect of grapevine leafroll virus on vine growth and on fruit yield and quality. *N.Z.J.Agric.Res.* **13**, 689-698.
Keywords: grapevine/leafroll/symptoms/growth/yield/economic importance/New Zealand
- Padilla, V.(1979). Trascendencia de los virus de la vid en la viticultura mundial: importancia y seleccion sanitaria (Importance of grapevine viruses and sanitary for world viticulture). *An.INIA., Ser.Protect.Veg.* 33-41.
Keywords: 2590/grapevine/virus diseases/virus-like diseases/economic importance/Spain
- Padilla, V. and Martinez, A.(1979). Virosis de la vid (Grapevine virus diseases). *Monographia de la Caja de Ahorros de Alicante y Murcia* 1-19.
Keywords: 2591/grapevine/virus diseases/virus-like diseases/review/Spain
- Panayotou, P.C.(1980). Grapevine virus diseases in Greece (In Greek, Eng. sum.). *Geotecnica* **2**, 18-24.
Keywords: 2592/grapevine/virus diseases/virus-like diseases/review/Greece
- Panjan, M. and Saric, A.(1963). Seroloska ispitivanja Arabis mosaic virusa u vinovejlozi i tresnji gel-difuzionom metodom. (Serological detection of arabis mosaic virus in grapevine and sweet cherry by gel diffusion technique). *Agronomski glasnik,Zagreb* **3**, 204-206.
Keywords: grapevine/arabis mosaic virus/serology/gel diffusion/Yugoslavia
Notes: In Serbo-Croatian.
- Paredo, J.(1984). Seleccion clonal y sanitaria de la viniferas cultivadas en Catalunya (Clonal and sanitary selection of grapevines cultivated in Catalonia). *Vina y Vino* **19**, 52-53.
Keywords: 2593/grapevine/clonal selection/sanitary selection/Spain
- Pastena, B.(1957). Sulla confusione di un sintomo della degenerazione infettiva con un carattere organografico normale delle vite (On the possible confusion between a symptom of infectious degeneration with a normal character of grapevine). *Coltivatore e Giornale Vinicolo Italiano* **103**, 182-185.
Keywords: 1412/grapevine/fanleaf/symptoms/morphology/comparison/Italy
- Pastena, B.(1957). L'asimmetria fogliare nella vite (Leaf asymmetry in grapevine). *Ital.Agricola* **94**, 457-463.
Keywords: 1413/grapevine/morphology/Italy
- Pastena, B.(1959). Nuovi sintomi della degenerazione infettiva della vite (New symptoms of infectious degeneration of grapevine). *Coltivatore e Giornale Vinicolo Italiano* **105**, 310-314.
Keywords: 1414/grapevine/fanleaf/symptoms/Italy
- Pastena, B.(1969). La selezione sanitaria della vite (Sanitary selection of grapevine). *Terra Viva* **4**, 19-24.
Keywords: 1415/grapevine/sanitary selection/Italy
- Payan, J.J.(1978). La désinfection des sols de vigne. *Vignes et Vins* **266**, 15-18.
Keywords: 1896/grapevine/soil disinfection/France
- Pearson, R.C., Pool, R.M., Gonsalves, D., and Goffinet, M.C.(1985). Occurrence of flavescence dorée-like symptoms on "White Riesling" grapevines in New-York, USA. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 82-87.
Keywords: 2594/grapevine/yellows/flavescence dorée/New York/USA

- Pedroso, E.I. and Sequeira, O.A.d.(1982). Ultrastructural changes caused by corky bark disease of grapevine. Preliminary results. *Cienc.Biol.Mol.Cell.Biol.* **6**, 65-Abstract
Keywords: 2595/grapevine/corky bark/ultrastructure/Portugal
- Pejcinovski, P.(1969). Observations on a leaf yellowing of grapevine, variety Cardinal. (In Serbo-Cr.). *Zasht.Bilja (Plant Protection)* **20**, 249-251.
Keywords: 1416/grapevine/yellow mosaic/Yugoslavia
- Pejcinovski, P.(1972). On the spread of grapevine virus diseases in the Soc. Rep. of Macedonia. *Zasht.Bilja (Plant Protection)* **23 {119/120}**, 167-174 {Serbo.
Keywords: 1897
- Pejcinovski, P.(1972). Panachure virale (grape fanleaf yellow mosaic) sur le cépage Vranec en Macédoine (Yellow mosaic on cv. Vranec in Macedonia). (In Serbo-Cr.). *Proc.2nd Congress of Yugoslav Microbiologists with International Participation,Opatija (Yugoslavia)* 677-679.
Keywords: 1898/grapevine/yellow mosaic/fanleaf virus/Yugoslavia
- Pejcinovski, P.(1974). Coulure, due à un virus, de la variété Belo zimsko en Macédoine (Virozna rehljavost grozdova sorte Belo zimsko u Makedoniji). (In Serbo-Cr.). *Thèse de doctorat,Univ.de Belgrade* 1-107.
Keywords: 1899/grapevine/dropping off/millerandage/fanleaf virus/yellow mosaic/Yugoslavia
Notes: PhD dissertation at the University of Belgrade on dropping off and millerandage symptoms caused by fanleaf/yellow mosaic in Macedonia, Yugoslavia.
- Pejcinovski, P.(1975). Bois rugueux de la vigne en Macédoine. Note préliminaire (Rugose wood of grapevine in Macedonia. Preliminary report).(In Serbo-Cr.). *Zasht.Bilja (Plant Protection)* **26(132)**, 171-175.
Keywords: 1900/grapevine/rugose wood/Yugoslavia
Notes: Wood pitting disease found in vineyards of Macedonia (Yugoslavia).
- Pejcinovski, P.(1976). Some abnormalities resembling legno riccio (rugose wood) on grapevine in Macedonia. *6th Meeting ICVG,Cordoba* Abstr. 28
Keywords: 1901/grapevine/rugose wood/Macedonia
Notes: Mechanical inoculation to herbaceous plants were negative. Varieties showing symptom when grafted on Rupestris St. George were Belo Zimsko and Afus-Ali. (Not published in the Proceedings).
- Pejcinovski, P.(1977). Some virus diseases of grapevine in Macedonia. (In Serbo-Cr.). *Savjetovanje o ekshoriozi i virusnim bolestima vinove loze (Proc.Conf.on Excoriosis and Virus Diseases of Grapevine) Hepok,Mostar (Yugosl.)* 165-176.
Keywords: 1902/grapevine/virus diseases/virus-like diseases/Yugoslavia
Notes: Review of virus diseases observed in Macedonia, Yugoslavia.
- Pejcinovski, P.(1979). Grapevine vein mosaic in Prokupac variety (preliminary report). (In Serbo-Cr., Fr. sum.). *Zasht.Bilja (Plant Protection)* **30**, 141-147.
Keywords: 2596/grapevine/vein mosaic/occurrence/Yugoslavia
- Pelekassis, C.E.(1962). A catalogue of the more important insects and other animals harmful to the agricultural crops of Greece during the last thirty-year period. *Ann.Inst.Phytopathol.Benaki* **5**, 5-104.
Keywords: 1417/grapevine/Xiphinema/occurrence/Greece
Notes: Xiphinema sp. is recorded on grapevine
- Peña-Iglesias, A. and Ayuso-Gonzalez, P.A.(1971). Identificación de estripes del virus del entrenudo corto infeccioso (Grapevine fanleaf virus) como causa de tres enfermedades de la vid en España.

- An.INIA, Ser.Protect.Veg. **1**, 115-137.
Keywords: 1909/grapevine/fanleaf virus/fanleaf/yellow mosaic/vein mosaic/Spain
- Peña-Iglesias, A. and Rubio-Huertos, M.(1971). Ultraestructura de hojas de *Chenopodium quinoa* WILLD. infectadas con el virus del entrenudo corto infeccioso de la vid {grapevine fanleaf virus}. *Microbiologia.Espanola.C.S.I.C.* **24 {3}**, 183-192.
Keywords: 1911
- Peña-Iglesias, A. and Ayuso, P.(1973). Further research on the detection of grapevine viruses in Spain. *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 28-30.
Keywords: 1907/grapevine/virus diseases/virus-like diseases/detection/Spain
- Peña-Iglesias, A. and Ayuso, P.(1973). A new and accurate way of heat therapy of plants grown "in vitro" applied to the sanitary selection of Spanish grapevine varieties. *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 172-174.
Keywords: 1908/grapevine/heat therapy/in vitro/methods/Spain
- Peña-Iglesias, A.(1974). La selección sanitaria de la vid en España. *Jorn.Téc.n.de Rioja,Vid y Vino (Haro-Logroño)*,1972 166-177.
Keywords: 1903/grapevine/sanitary selection/Spain
- Peña-Iglesias, A.(1975). La selección sanitaria en España de frutales caducifolios y vid. *ITEA (16)*, 34-44.
Keywords: 1904/grapevine/sanitary selection/Spain
- Peña-Iglesias, A.(1977). Catalogo de virus y microorganismos del tipo micoplasma y rickettsia identificados en plantas cultivadas en España (List of viruses and mycoplasma-organisms identified on cultivated plants in Spain). *Catalogos INIA No.7,Minist.de Agricult.,Madrid* 1-119.
Keywords: 1905/grapevine/fanleaf/leafroll/corky bark/stem pitting/enation/fleck/vein necrosis/occurrence/Spain
Notes: Fanleaf, corky bark, leafroll, stem pitting, enation, fleck, vein necrosis have been found in Spanish vineyards.
- Peña-Iglesias, A.(1978). Opening lecture. Introduction of the 6th I.C.V.G. Conference. Considerations of the problems of the grapevine viruses. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid*
Keywords: 1906/grapevine/meeting/ICVG
Notes: A historical account of the Council and developments in research.
- Peña-Iglesias, A., Castro, S., Fresno, J., and Carazo, G.(1978). Estudio de la ultraestructura de plantas herbáceas infectadas por varios Nepovirus (Ultrastructure of herbaceous hosts infected with various nepoviruses). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 103-107.
Keywords: 1910/arabis mosaic virus/fanleaf virus/raspberry ringspot virus/strawberry latent ringspot virus/herbaceous hosts/ultrastructure/electron microscopy/Spain
- Peña-Iglesias, A.(1980). Ultrastructure of infected grape cells. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 183-189.
Keywords: 2597/grapevine/virus diseases/virus-like diseases/ultrastructure/review/Spain
- Peña-Iglesias, A. and Ayuso, P.(1980). Shoot apex (meristem) micrografts and indexing of infected grapevine varieties at the same time. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 333-338.
Keywords: 2598/grapevine/micrografting/indexing/in vitro culture/Spain
Notes: Proposal for a method in which indicator grapevine plantlets grown aseptically in vitro are micrografted with a bud from the vine to be tested. So far results not convincing.

- Perez-Camacho, F.(1981). Importancia y distribucion de enfermedades de etiologia supuestamente viral, en vinedos de la zona de denominacion de origen "Montilla-Moriles" (Importance and distribution of diseases of probably viral origin in vineyards of the viticultural area "Montilla-Moriles"). *An.INIA,ser.Agricola* 151-156.
Keywords: 2599/grapevine/fanleaf/leafroll/enation/Spain
- Perry, R.L., Mollenhauer, H.H., and Bowen, H.H.(1974). Electron photomicroscopy verification of Pierce's disease on grape plants from Texas. *Plant Dis.Reptr.* **58**, 780-782.
Keywords: 1912/grapevine/Pierce's disease/detection/electron microscopy/USA
- Perry, R.L. and Bowen, H.H.(1980). Grape cultivar evaluation in central Texas. *HortScience* **15**, 282
Keywords: 2600/grapevine/Pierce's disease/resistance/variety sensitivity/Texas/USA
- Petersen, H.I.(1978). Plant diseases in Denmark in 1977, 94th annual survey. *State Plant Pathology Institute,Lyngby,Denmark* 1-69 (Da.,En.).
Keywords: 2178/grapevine/cucumber mosaic virus/Denmark
Notes: Cucumber mosaic virus was detected in a grapevine in Denmark.
- Peterson, D.H.(1980). Soil-borne viruses, grapevine decline, winter injury. *The Vinifera Wine Growers'J.* **7**, 55-57.
Keywords: 2601/grapevine/nepoviruses/decline/Virginia/USA
- Petri, L.(1910). Les abaissements de température et le court-noué de la vigne. (Lowering of temperature and fanleaf of grapevine). *Revue de phytopathologie appliquee* **1**, 33-56.
Keywords: grapevine/fanleaf/temperature/climate/hypothesis/etiology/Italy
Notes: In French.
- Petri, L.(1912). Significato patologico dei cordoni endocellulari nelle viti affette da arricciamento. (Pathological meaning of trabeculae in grapevines affected with arricciamento/fanleaf). *Rend.R.Accad.Lincei* **21, S. V.**, 113-119.
Keywords: grapevine/arricciamento/fanleaf/trabeculae/Italy
- Petri, L.(1912). Ricerche sulle cause dei deperimenti delle viti in Sicilia. I. Contributo allo studio dell'azione degli abbassamenti di temperatura sulle viti in rapporto all'arricciamento. (Research on the the causes of grapevine dieback in Sicily. I. Contribution to the study of the action of lowering of temperature on grapevines in relation with arricciamento/fanleaf). *Memorie R.Staz.Pat. Veg.Roma* 1-212.
Keywords: grapevine/arricciamento/fanleaf/temperature/climate/hypothesis/etiology/Italy/Sicily
Notes: Hypothesis that arricciamento (fanleaf) is caused by a sudden lowering of temperature.
- Petri, L.(1923). L'arricciamento della vite è una malattia prodotta da protozoi ? (Is arricciamento/fanleaf of grapevine produced by protozoa ?). *Rend.R.Accad.Lincei* **27, S. V.**, 395-397.
Keywords: grapevine/arricciamento/fanleaf/protozoa/hypothesis/Italy
Notes: In Italian.
- Petri, L.(1937). Trasmissione del virus dell'arricciamento della vite attraverso i tessuti di una varietà resistente. (Transmission of the virus of fanleaf through the tissues of a resistant variety). *Rend.R.Accad.Lincei* **25, S. V.**, 413-416.
Keywords: grapevine/arricciamento/fanleaf/graft transmission/Italy
Notes: In Italian. One of the last paper of the author.
- Peyer, E.(1950). Ansteckende Abbaukrankheiten bei Reben. (Infectious degeneration diseases of grapevines). *Schw.Z.Obst- u.Weinbau* **59**, 294-297.
Keywords: grapevine/virus diseases/infectious degeneration/fanleaf/leafroll/Switzerland

- Peyer, E.(1963). Eine zwölfjährige Leistungsprüfung von 44 Klonselektionen der Sorte Blauer Burgunder, Pinot noir (A 12-year comparative trial with 44 clonal selections of Pinot noir). *Schweiz.Landwirtsch.Forsch.* **2**, 64-82.
Keywords: 1418/grapevine/clonal selection/Pinot noir/performance/Switzerland
Notes: Selection of 44 clones of the variety Pinot noir, results of 12 years of performance testing, discussion on the relation between quantity and quality of yield
- Piazzolla, P., Savino, V., Castellano, M.A., and Musci, D.(1985). A comparison of grapevine yellow vein virus and a grapevine isolate of tomato ringspot virus. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 44-50.
Keywords: 2602/grapevine/yellow vein virus/tomato ringspot virus/serology/herbaceous hosts/properties/ultrastructure/comparison/Italy
Notes: The two virus are serologically related. Grapevine yellow vein virus should be considered as a serological variant of TomRSV rather than a distinct virus. Host range, properties of purified preparations, nucleic acid, cytopathology of infected herbaceous host cells are similar.
- Pierce, N.B.(1892). The California vine disease. *U.S.Dept.Agr.Div.Vegetable Pathol.Bull.* **2**, 1-222.
Keywords: grapevine/Pierce's disease/California/USA
Notes: Original description of Pierce's disease.
- Pieri, G.(1966). Nuova indagine sulla trasmissione delle malattie da virus della vite a mezzo dei vinaccioli (New evidence of transmission of grapevine virus diseases through grape seed). *Riv.Vitic.Enol.* **19**, 129-132.
Keywords: grapevine/virus/transmission/seed transmission/Italy
Notes: Verif. title J.
- Pieri, G.(1971). Prove di termoterapia delle virosi della vite. Trattamenti con acqua calda (experiments of heat therapy of grapevine virus diseases. Treatments with warm water. *Riv.Viticolt.Enol.* **24**, 9-14.
Keywords: 1913/grapevine/heat therapy/methods/Italy
Notes: Experiments on heat-treatment of fanleaf-infected grapevines with hot water are reported. Negative results.
- Plunge, A.L.(1969). *Degeneration of grapevine, Vitis labrusca L. "Concord" in Michigan: Description of the disease and the associations of viruses and vector species.*, Ph.D.Diss.,Michigan State University.,
Keywords: 1419/grapevine/dieback/viruses/vectors/Michigan/USA
Notes: A description of the diseases, viruses and vectors.
- Pocsai, E.(1981). Occurrence of grapevine Bulgarian latent virus in Hungary. *Acta Phytopathol.Acad.Scient.Hung.* **16**, 349-354.
Keywords: 2603/grapevine/Bulgarian latent virus/occurrence/Hungary
- Podelckis, E.V. and Corbett, M.K.(1982). Tomato ringspot virus associated with little grape disease of Vidal 256 grapevines. *Phytopathology* **72**, 710-Abstract
Keywords: 2604/grapevine/tobacco ringspot virus/Maryland/USA
- Podelckis, E.V. and Corbett, M.K.(1984). Detection of viral-like particles in grapevine extracts. *Phytopathology* **74**, 757-Abstract
Keywords: 2605/grapevine/virus-like particles/electron microscopy/isometric particles/closterovirus-like particles/Maryland/USA
- Polinkovskii, A.I.(1980). *Probleme der Pflanzenvirologie.* (Kleinhempel, H., Ed.) Akademie der Landwirtschaftswissenschaften, Berlin, DDR. 303-312.
Keywords: 2606/grapevine/nepoviruses/nematode/vector/Longidoridae/control/Moldavia

- Polinkovskii, A.I.(1980). *Virus, Mycoplasma-like and Bacterial Diseases of Fruit Trees and Grapevine*. (Verderevskaya, T.D., Ed.) Moldavian Research Institute of Horticulture, Kishinev, Fructovaja 14, Moldavia. Printing House Reclama (172 pp). 112-121.
Keywords: 2765/grapevine/virus diseases/nepoviruses/transmission/nematodes/Moldavia
- Pongracz, D.P.(1974). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport sud-africain (Clonal and sanitary selection. Methods and results. Distribution of selected material. South African report). *Bull.OIV* **47(520)**, 461-467.
Keywords: 1914/grapevine/clonal selection/sanitary selection/results/certification/South Africa
- Pop, I.(1970). Investigations on viruses and virus diseases of grapevine in Rumania. I. Identification and incidence of different virus diseases. *An.Inst.Cercet.Protectia Plant.* **6**, 157-164.
Keywords: grapevine/virus/virus diseases/Rumania
Notes: In Rumanian, Eng. sum.
- Pop, I.V.(1972). Studies on viruses and virus diseases of grapevine in Rumania. II. Grapevine vein yellowing. (In Rumanian, Eng. sum.). *An.Inst.Cercet.Prot.Plantelor* **8**, 81-87.
Keywords: 1915/grapevine/fanleaf virus/veinbanding/symptoms/occurrence/Rumania
- Pop, I.V.(1973). Studies on viruses and virus diseases of grapevine in Rumania. III. Data on indexing methods, determination of infection levels in various varieties and development of virus-free clones. (In Rumanian, Eng. sum.). *An.Inst.Cercet.Prot.Plantelor* **9**, 27-39.
Keywords: 1916/grapevine/virus diseases/virus-like diseases/indexing/methods/virus elimination/virus-free material/Rumania
- Pop, I.V.(1973). Studies on viruses and virus diseases of grapevine in Rumania. IV. Data on the degree of virus infection and the effectiveness of visual selection and selection by indexing in the variety Cardinal. (In Rumanian, Eng. sum.). *An.Inst.Cercet.Prot.Plantelor* **9**, 41-47.
Keywords: 1917/grapevine/visual selection/indexing/sanitary selection/comparison/results/Rumania
- Pop, I.V.(1973). Grapevine vein mosaic. *Riv.Patol.Veg.,Ser.IV* **9**, 243-250.
Keywords: 1918/grapevine/vein mosaic/occurrence/transmission/Rumania
Notes: Description of symptoms, time of development and transmission tests to indicator plants. Reports light and temperature influence on symptoms.
- Pop, I.V.(1977). Results of studies for the identification of virus diseases of grapevine occurring in Rumania, their frequency and the methodology of their diagnosis in the system of production of virus-free planting material. (In Rumanian, Eng. sum.). *An.Inst.Cercet.Prot.Plantelor* **12**, 35-45.
Keywords: 1919/grapevine/virus diseases/virus-like diseases/identification/diagnosis/indexing/virus-free material/Rumania
- Pop, I.V.(1979). Yellow vein mosaic of the grapevine, a new soil-borne virus disease in Romania (In Rumanian, Eng., Russ. sum). *An.Inst.Cercet.Prot.Plantelor* **15**, 21-26.
Keywords: 2607/grapevine/yellow vein mosaic/yellow mosaic/Rumania
- Pop, I.V.(1980). Yellow vein mosaic of grapevine (In Rumanian). *Productia Vegetala - Horticultura* **29(7)**, 25-26.
Keywords: 2608/grapevine/yellow vein mosaic/yellow mosaic/Rumania
- Pozdena, J. and Vanek, G.(1969). Serological studies of Bratislava mosaic virus of grapevine. *Biol.Plant.* **10(4)**, 41-48.
Keywords: grapevine/Bratislava mosaic virus/serology/Czechoslovakia

- Pozdena, J. and Vanek, G.(1970). Some virus diseases of grapevine in Czechoslovakia, their purification and diagnosis. *Zesz.Probl.Post.Nauk.Roln.* **111**, 159-164.
Keywords: 1921/grapevine/virus diseases/diagnosis/purification/Czechoslovakia
- Pozdena, J. and Vanek, G.(1975). The research of the virus diseases of grape vine in CSSR. *Mededel.Fac.Landbouwwetenschap.(Gent)* **40(2)**, 823-827.
Keywords: 1922/grapevine/fanleaf/yellow mosaic/fleck/enation/Czechoslovakia/leafroll/rugose wood/stem pitting/infectious necrosis/virus diseases/virus-like diseases/rickettsia-like organisms/research results
Notes: Fanleaf, Melnik mosaic, Bratislava mosaic, vein banding, leafroll, rugose wood, fleck and enation diseases have been detected in the Czechoslovakian vineyards. Grapevine necrosis is considered as a rickettsia-disease. The research work done in this field in Czechoslovakia is summarized.
- Pozdena, J., Filigarova, M., and Vanek, G.(1976). Serological detection of some new viruses of grapevine in Czechoslovakia.(In Czech). *Zb.z VI.celostátnej konferencie o ochrane Rostlin,C.Budejovice,CSSR*
Keywords: 1920/virus diseases/virus-like diseases/detection/serology/Czechoslovakia
Notes: Some serologically identified new grapevine viruses in Czechoslovakia.
- Pozdena, J., Vanek, G., and Filigarova, M.(1977). Sowbane mosaic virus in grapevine in the CSSR. (In Czech). *Sb.UVTIZ-Ochrana Rostlin* **13**, 197-200.
Keywords: 1923/grapevine/sowbane mosaic virus/occurrence/Czechoslovakia
- Pozdena, J., Filigarova, M., Vanek, G., and Mikusova, A.(1979). Sero-reactions in *Chenopodium quinoa* WILLD. infected by grapevine fanleaf virus in different periods of time after free infection (In Russian, Eng., Fr., Slovak sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra* 87-92.
Keywords: 2609/grapevine/fanleaf virus/*Chenopodium*/serology/detection/Czechoslovakia
- Pozdena, J., Filigarova, M., Vanek, G., and Mikusova, A.(1981). *Plant Virology. Proceedings of the 9th Conference of Czechoslovak Plant Virologists, Brno 1981.* (Polak, J., Brcak, J., Chod, J., and Polak, Z., Eds.) USTAV Exp. Bot. CSAV, Prague, Czechoslovakia. 137-140.
Keywords: 2610/grapevine/alfalfa mosaic virus/serology/detection/Czechoslovakia
- Pozsar, B.I., Horvath, L., Lehoczky, J., and Sarospataki, G.(1969). Effect of the grape chrome-mosaic and grape fanleaf yellow-mosaic virus-infection on the photosynthetical carbon dioxide fixation in vine-leaves. *Vitis* **8**, 206-210.
Keywords: grapevine/chrome mosaic virus/fanleaf virus/yellow mosaic/symptoms/physiology/metabolism/carbon dioxide/Hungary
- Prota, U.(1960). La degenerazione infettiva del vitigno "Cannonau". Parte I: Sintomatologia. (Infectious degeneration of the grapevine cv. Cannonau. Part I: symptomatology). *Atti Ist.Bot.e Lab.Critt.Univ.Pavia* **18, S.V**, 314-335.
Keywords: grapevine/degenerazione infettiva/fanleaf/Cannonau/symptoms/Sardinia/Italy/infectious degeneration
Notes: In Italian.
- Prota, U.(1961). La degenerazione infettiva nel vitigno "Cannonau".Parte II: Comparsa, successione, ripetizione dei sintomi. Produzione della piante degenerate. (Infectious degeneration in the grapevine cv. Cannonau. Part II: occurrence,succesion, repetition of symptoms. Yield of degenerated plants). *Not.Mal.Piante* **55 (N.S. 34)**, 53-67.
Keywords: degenerazione infettiva/infectious degeneration/fanleaf/Cannonau/symptoms/performance/yield/Sardinia/Italy/grapevine
Notes: In Italian.

- Prota, U.(1970). Distribuzione de Xiphinema index in Sardegna e rapporti con la diffusione di alcune virosi della vite. *Informatore Fitopatol.* **20(21-22)**, 6-10.
Keywords: 1924/grapevine/Xiphinema index/Sardinia/Italy
Notes: On populations and differences in X. index and relations between presence of nematode species and virus diseases in Sardinia.
- Prota, U.(1970). Sull'influenza di alcune caratteristiche del suolo e dell'età delle viti sulla distribuzione di Xiphinema index THORNE et ALLEN in Sardegna. *Studi Sassaresi, Sez.III Agr.* **18**, 1-12.
Keywords: 1925/grapevine/Xiphinema index/Sardinia
Notes: Studies on the influence of type of soil, pH, etc. on presence of X. index, with population figures. The nematode is found mostly in vineyard soils.
- Prota, U.(1970). Osservazioni e ricerche sulle virosi della vite in Sardegna con particolare riguardo al "mosaico giallo". *Studi Sassaresi, Sez.III Agr.* **18**, 153-178.
Keywords: 1926/grapevine/virus diseases/virus-like diseases/yellow mosaic/fanleaf virus/Sardinia
Notes: Studies on the presence and spread of fanleaf virus disease and transmission by grafting.
- Prota, U., Lamberti, F., Bleve, T., and Martelli, G.P.(1971). I Longidoridae (Nematoda, Dorylaimoidea) dei vigneti sardi. *Redia* **52**, 601-617.
Keywords: 1931/grapevine/nematodes/Longidoridae/Sardinia
Notes: On the occurrence and distribution of species of nematodes of the family of Longidoridae in Sardinia.
- Prota, U. and Garau, R.(1973). Indagini sulla biologia di Xiphinema index THORNE et ALLEN in vigneti sardi. *Nematol.Mediterr.* **1**, 36-54.
Keywords: 1928/grapevine/Xiphinema index/biology/Sardinia
Notes: Population dynamics and life cycle of X. index which lasts from 12 to 14 months, ovulation twice a year spring and fall. Heavy feeding in summer months.
- Prota, U.(1975). Notizie sull'attività svolta dall'Istituto di patologia vegetale dell'Università di Sassari, nell'ambito del programma di miglioramento e selezione sanitaria della vite in Sardegna. *Coltivatore e Giornale Vinicolo Italiano* **121(10)**, 333-334.
Keywords: 1927/grapevine/clonal selection/sanitary selection/Sardinia
Notes: Clonal and sanitary selection in Sardinia, work of the Institute of plant pathology of the University of Sassari. See also Atti Tavola Rotonda "Malattie da virus e da micoplasmi", Lab. Fitovirol. Appl. C.N.R., Torino, 104.
- Prota, U. and Garau, R.(1978). Enations of grapevine in Sardinia. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 179-189.
Keywords: 1929/grapevine/enation/occurrence/Sardinia
Notes: Enations observed on a number of varieties. Yields reduced on Italia, Malvasia, Vermentino and Vernaccia.
- Prota, U. and Garau, R.(1978). An unusual symptomatology of enation disease on grapevine in Sardinia. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 191-195.
Keywords: 1930/grapevine/enation/symptoms/new data/Sardinia
Notes: Enations on upper surface of leaves, V. vinifera cv. Nasco and Vernaccia. Symptoms on C. quinoa like GFV.
- Prota, U.(1978). Alcune note sul "legno riccio" et le "enazioni" della vite con particolare riferimento alla Sardegna (Note on legno riccio and enation of grapevine, with special reference to Sardinia). *Viticultura ed Enologia* **2**, 215-220.
Keywords: 2179/grapevine/stem pitting/enation/Sardinia/Italy

- Prota, U., Garau, R., and Cugusi, M.(1980). Quantitative aspects of the yield of grapevines affected by enation disease in Sardinia. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 41-49.
Keywords: 2611/grapevine/enation/symptoms/yield/economic importance/Sardinia/Italy
- Prota, U., Garau, R., and Cugusi, M.(1981). Studies on some variable characters of grapevines affected by enation disease in Sardinia. *Phytopathol.Mediter.* **20**, 7-12.
Keywords: 2612/grapevine/enation/symptoms/Sardinia
- Prota, U., Garau, R., Cugusi, M., and Dore, M.(1985). Investigations on a vein banding disease of grapevine in Sardinia. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 24-28.
Keywords: 2613/grapevine/veinbanding/yellow speckle/symptoms/Sardinia/Italy
- Psarros, E. and Fotiadou, T.(1963). Identifying plant diseases and recommending control measures. *Thessaloniki Plant Prot.Res.Sta.Bull.* **1**, 22-24.
Keywords: 1420/grapevine/diseases/fanleaf/yellow mosaic/veinbanding/asteroid mosaic/control/Greece
Notes: Symptoms of grapevine fanleaf, grapevine vein banding yellow mosaic, and grapevine asteroid mosaic were observed on specimens received from the island of Thassos
- Purcell, A.H.(1974). *Role of the blue-green sharpshooter, Hordnia circellata (Baker), in the epidemiology of Pierce's disease of grapevines.*, Ph.D.Diss.,University of California, Davis, California, USA.
Keywords: 1932
Notes: A study of the role of Hordnia circellata in the spread of Pierce's disease in Napa Valley.
- Purcell, A.H.(1974). The spatial distribution of Pierce's disease in the Napa Valley. *Amer.J.Enol.Viticult.* **25**, 162-167.
Keywords: 1933/grapevine/Pierce's disease/California/USA
Notes: The distribution of Pierce's disease in commercial vineyards in Napa Valley in relation to foci of the blue-green sharpshooter leafhopper.
- Purcell, A.H.(1975). Role of the blue-green sharpshooter Hordnia circellata in the epidemiology of Pierce's disease of grapevines. *Environ.Entomol.* **4**, 745-752.
Keywords: 1934/grapevine/Pierce's disease/sharpshooter/vector/California/USA
Notes: The role of the blue-green sharpshooter in spreading Pierce's disease.
- Purcell, A.H.(1976). Seasonal changes in host plant preference of the blue-green sharpshooter Hordnia circellata Homoptera Cicadellidae. *Pan-Pacific Entomol.* **52(11)**, 33-37.
Keywords: 1935/grapevine/Pierce's disease/sharpshooter/vector/host plants/California/USA
Notes: Host preference of the blue-green sharpshooter at different times of the year.
- Purcell, A.H.(1977). Cold therapy of Pierce's disease of grapevines. *Plant Dis.Reptr.* **61**, 514-518.
Keywords: 1936/grapevine/Pierce's disease/temperature/California/USA
Notes: Exposure of grapevines with severe symptoms of Pierce's disease to a temperature of -8° C to -12° C caused a temporary remission or a recovery.
- Purcell, A.H., Lattore-Guzman, B.A., Kado, C.I., Goheen, A.C., and Shalla, T.A.(1977). Reinvestigation of the role of a Lactobacillus associated with leafhopper vectors of Pierce's disease of grapevines. *Phytopathology* **67**, 298-301.
Keywords: 1937/grapevine/Pierce's disease/etiology/bacterium/Lactobacillus/California/USA
Notes: Evidence that Lactobacillus associated with blue-green sharpshooter leafhopper is not the causal agent of Pierce's disease.
- Purcell, A.H.(1979). *Leafhopper vectors and plant disease agents.* (Maramorosk, K. and Harris, K.F., Eds.) Academic Press, New York. 603-625.
Keywords: 2614/grapevine/Pierce's disease/quarantine/chemotherapy/vector/control/USA

- Purcell, A.H.(1979). Role of weed management in Pierce's disease and almond leaf scorch disease. *Phytopathology* **69**, 1043-Abstract
Keywords: 2615/grapevine/Pierce's disease/control/weed control/weed killer/California/USA
- Purcell, A.H.(1979). Control of the blue-green sharpshooter and effects on the spread of Pierce's disease of grapevines. *J.Econ.Entomol.* **72**, 887-892.
Keywords: 2616/grapevine/Pierce's disease/sharpshooter/vector/control/California/USA
- Purcell, A.H. and Finlay, A.(1979). Evidence for noncirculative transmission of Pierce's disease bacterium by sharpshooter leafhoppers. *Phytopathology* **69**, 393-395.
Keywords: 2622/grapevine/Pierce's disease/bacterium/transmission/leafhopper/sharpshooter/California/USA
- Purcell, A.H., Finlay, A., and McLean, D.L.(1979). Pierce's disease bacterium: mechanism of transmission by leafhopper vectors. *Science* **206**, 839-841.
Keywords: 2623/grapevine/Pierce's disease/transmission/sharpshooter/leafhopper/California/USA
Notes: Transmission of the bacterium by egestion from the foregut during feeding.
- Purcell, A.H.(1980). Almond leaf scorch: leafhopper and spittlebug vectors. *J.Econ.Entomol.* **73**, 834-838.
Keywords: 2617/grapevine/Pierce's disease/bacterium/transmission/leafhopper/spittlebug/almond/California/USA
- Purcell, A.H.(1980). Environmental therapy for Pierce's disease of grapevines. *Plant.Dis.* **64**, 388-390.
Keywords: 2618/grapevine/Pierce's disease/temperature/biology/vector/California/USA
- Purcell, A.H.(1981). Vector preference and inoculation efficiency as components of resistance to Pierce's disease in European grape cultivars. *Phytopathology* **71**, 429-435.
Keywords: 2619/grapevine/vector/variety sensitivity/resistance/California/USA
- Purcell, A.H.(1982). Insect vector relationships with prokaryotic plant pathogens. *Ann.Rev.Phytopathol.* **20**, 397-417.
Keywords: 2620/grapevine/flavescence dorée/yellows/vector/leafhopper/review/USA
- Purcell, A.H.(1982). Advances in the understanding of Pierce's disease and its vectors. *Proc.Grape Wine Centenn.Symp.Davis (1980)* 46-50.
Keywords: 2621/grapevine/Pierce's disease/vector/leafhopper/review/California/USA
- Quacquarelli, A. and Martelli, G.P.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 377-389.
Keywords: grapevine/fanleaf virus/isolate/Italy/Greece/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Quacquarelli, A., Gallitelli, D., Savino, V., and Martelli, G.P.(1976). Properties of grapevine fanleaf virus. *J.Gen.Virol.* **32**, 349-360.
Keywords: 1938/grapevine/fanleaf/description/properties/Italy
Notes: A detailed study of the GFV and the more complete cryptogram.
- Quacquarelli, A., Gallitelli, D., Savino, V., Piazzolla, P., and Martelli, G.P.(1978). Some properties of grapevine fanleaf and other Nepoviruses infecting the grapevine. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 41-49.
Keywords: 1939/grapevine/fanleaf virus/nepoviruses/properties/Italy
Notes: Physico-chemical properties of GFV, AMV, TomBRV and GCMV are given

- Quacquarelli, A.(1984). I Nepovirus, caratteristiche e biologia (The nepoviruses, characteristics and biology). *Informatore Fitopatol.* **34** {6}, 57-63.
Keywords: 2624/grapevine/nepoviruses/biology/Italy
- Querfurth, G. and Paul, H.L.(1979). Protein A-coated latex-linked antisera {PALLAS}: new reagents for a sensitive test permitting the use of antisera unsuitable for the latex test. *Phytopathol.Z.* **94**, 282-285.
Keywords: 2625/grapevine/viruses/serology/detection/PALLAS/methods/Germany
- Rafaila, C. and Costache, M.(1970). The golden Flavescence (Flavescence dorée), a new disease of grapevine in Romania. *An.Inst.Cercet.Protectia Plant.* **6**, 151-156.
Keywords: grapevine/flavescence dorée/Rumania
Notes: In Rumanian, Eng. sum.
- Raikov, E.(1974). *Virusni Bolesti po Rastenyata (Plant Virus Diseases)*. (AnonymousThe Georgi Dimitrov Agricultural Academy, Sofia, Bulgaria. 117-129.
Keywords: 1940/grapevine/virus diseases/virus-like diseases/sanitary selection/virus elimination/performance/Bulgaria
Notes: Studies are on the presence of virus diseases in Bulgaria, on selection of disease free clones and effects of diseases on yield.
- Raju, B.C., Goheen, A.C., Teliz, D., and Nyland, G.(1979). Occurrence of Pierce's disease of grapevines in Mexico. *Phytopathology* **69**, 919-Abstract
Keywords: 2628/grapevine/Pierce's disease/occurrence/Mexico
- Raju, B.C., Goheen, A.C., Teliz, D., and Nyland, G.(1980). Pierce's disease of grapevines in Mexico. *Plant Dis.* **64**, 280-282.
Keywords: 2629/Pierce's disease/occurrence/Mexico/grapevine
- Raju, B.C., Nomé, G.F., Docampo, D.M., Goheen, A.C., Nyland, G., and Lowe, S.K.(1980). Alternative hosts of Pierce's disease of grapevines that occur adjacent to grape growing areas in California. *Amer.J.Enol.Viticult.* **31**, 144-148.
Keywords: 2630/grapevine/Pierce's disease/host plants/California/USA
- Raju, B.C. and Goheen, A.C.(1981). Relative sensitivity of selected grapevine cultivars to Pierce's disease bacterial inoculations. *Amer.J.Enol.Viticult.* **32**, 155-158.
Keywords: 2626/grapevine/Pierce's disease/variatal sensitivity/California/USA
- Raju, B.C., Goheen, A.C., and Frazier, N.W.(1983). Occurrence of Pierce's disease bacteria in plants and vectors in California. *Phytopathology* **73**, 1309-1313.
Keywords: 2627/grapevine/Pierce's disease/occurrence/host plants/California/USA
- Raju, B.C., Wells, J.M., Mircetic, S.M., and Nyland, G.(1984). Pathogenic relationship between Pierce's disease and phony peach bacteria. *Phytopathology* **74**, 857-Abstract
Keywords: 2631/grapevine/Pierce's disease/phony peach/etiology/relationships/California/USA
- Ramsdell, D.C. and Myers, R.L.(1974). Peach rosette mosaic virus, symptomatology and nematodes associated with grapevine "degeneration" in Michigan. *Phytopathology* **64**, 1174-1178.
Keywords: 1942/grapevine/peach rosette mosaic virus/symptoms/Xiphinema americanum/vector/Michigan/USA
Notes: PRMV in *V. labrusca* cv. Concord. Symptoms, methods of transmission, and associated nematodes in root zone.
- Ramsdell, D.C. and Bird, G.W.(1975). Vineyard preparation for nematode and virus disease control. *Michigan State Univ.Agric.Ext.Serv.Bull.E* 806
Keywords: 1941/grapevine/nematodes/vectors/Xiphinema americanum/soil

disinfection/fallow/Michigan/USA

Notes: An article of information for the grower on recognition of degeneration problems in vineyards and orchards (peaches), methods of soil treatment and replanting.

Ramsdell, D.C.(1977). Detection of peach rosette mosaic virus (PRMV) in "Concord" grape: comparison of ELISA vs. Chenopodium quinoa indexing. *Proc.Amer.Phytopathol.Soc.* **4**, 91-(Abstract)

Keywords: 2180/grapevine/peach rosette mosaic virus/ELISA/indexing/Chenopodium/comparison/USA

Ramsdell, D.C. and Myers, R.L.(1978). Epidemiology of peach rosette mosaic virus in a Concord grape vineyard. *Phytopathology* **68**, 447-450.

Keywords: 1943/grapevine/peach rosette mosaic virus/epidemiology/Michigan/USA

Notes: The spread of PRMV is slow and mostly to vines adjacent to previously infected vines. Indexing the roots of 16 weed species associated with diseased vines revealed that Curly Dock (*Rumex crispus*), Carolina Horsenettle (*Solanum californense*) and common dandelion (*Taraxacum officinale*) were infected. The virus was found to be seedborne in 3.6% of the dandelion seedlings, and 9.5% of grapevine seedlings from infected plants.

Ramsdell, D.C. and Myers, R.L.(1978). The rate of spread of peach rosette mosaic virus in a *Vitis labrusca* L. "Concord" vineyard; some weed hosts and the seed- and pollen-borne nature of the virus. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 77-82.

Keywords: 1944/grapevine/peach rosette mosaic virus/nematode/vector/Xiphinema americanum/spread/epidemiology/seed transmission/pollen/Michigan/USA

Notes: In addition to grapevines the virus found also in weed hosts; *X. americanum* found as deep as 1.5 m, populations given.

Ramsdell, D.C., Andrews, R.W., Gillett, J.M., and Morris, C.E.(1979). A comparison between enzyme-linked immunosorbent assay (ELISA) and Chenopodium quinoa for detection of peach rosette mosaic virus in 'Concord' grapevines. *Plant.Dis.Reptr.* **63**, 74-78.

Keywords: 2632/grapevine/peach rosette mosaic virus/detection/indexing/Chenopodium/serology/ELISA/comparison/Michigan/USA

Ramsdell, D.C. and Stace-Smith, R.(1980). A serological and physio-chemical comparison between blueberry leaf mottle virus and grapevine Bulgarian latent virus. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 119-129.

Keywords: 2636/grapevine/Bulgarian latent virus/blueberry leaf mottle virus/serology/properties/comparison/Michigan/USA

Notes: Blueberry leaf mottle virus (including the NY isolate found in grapevine in New York by Uyemoto et al.,1977) is serologically related with Bulgarian latent virus found in Europe. However the two virus should be considered as distinct entities. BBLMV could be dangerous for grapevine.

Ramsdell, D.C. and Stace-Smith, R.(1980). Blueberry leaf mottle, a new disease of highbush blueberry. *Acta Horticulturae* (**95**), 37-38.

Keywords: 2637/grapevine/blueberry leaf mottle virus/Bulgarian latent virus/serology/comparison/Michigan/USA

Notes: BLMV is distantly related to GBLV, but it has no serological relationship with TomRSV. It can infect grapevine.

Ramsdell, D.C. and Gillett, J.M.(1981). Peach rosette mosaic virus in highbush blueberry. *Plant Dis.* **65**, 757-758.

Keywords: 2634/grapevine/peach rosette mosaic virus/blueberry/indexing/Michigan/USA

Notes: PRMV can infect blueberry (*Vaccinium corymbosum* L.). The virus can be transmitted from infected grapevines growing in the vicinity.

- Ramsdell, D.C. and Stace-Smith, R.(1981). Physical and chemical properties of the particles and ribonucleic acid of blueberry leaf mottle virus. *Phytopathology* **71**, 468-472.
Keywords: 2638/grapevine/blueberry leaf mottle virus/isometric particles/nucleic acid/properties/Michigan/USA
- Ramsdell, D.C., Bird, G.W., Gillett, J.M., and Rose, L.M.(1983). Superimposed shallow and deep soil fumigation to control *Xiphinema americanum* and peach rosette mosaic virus reinfection in a 'Concord' vineyard. *Plant Dis.* **67**, 625-627.
Keywords: 2633/grapevine/peach rosette mosaic virus/*Xiphinema americanum*/soil disinfection/control/Michigan/USA
Notes: Superimposed shallow plus deep fumigant application 20 and 90 cm in vineyard soil from which vines uniformly infected with peach rosette mosaic virus had been removed the previous year reduced population of *X. americanum* to zero or near zero in the top 180 cm of the soil for 6 years. Virus-free Concord grapes planted in the variously treated "shallow and deep" plots remained free of infection by PRMV for 6 years, whereas reinfections occurred in control plots.
- Ramsdell, D.C. and Gillett, J.M.(1985). Relative susceptibility of American, French hybrids and European grape cultivars to infection by peach rosette mosaic virus. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 41-43.
Keywords: 2635/grapevine/peach rosette mosaic virus/variatal sensitivity/symptoms/Michigan/USA
- Raski, D.J. and Hewitt, W.B.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif.,USA. 100-107.
Keywords: grapevine/nematode/vector/virus/nepoviruses/transmission/*Xiphinema Longidorus*/USA/California/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif.,6-10.9.1965.
- Raski, D.J., Hewitt, W.B., Goheen, A.C., Taylor, C.E., and Taylor, R.H.(1965). Survival of *Xiphinema* index and reservoirs of fanleaf virus in fallowed vineyard soils. *Nematologica* **11** , 349-352.
Keywords: grapevine/fanleaf virus/soil transmission/*Xiphinema* index/fallow/USA/California
- Raski, D.J. and Hewitt, W.B.(1967). *Methods in Virology.* (Maramorosch, K. and Koprowski, H., Eds.) Academic Press, New York, USA. 309-345.
Keywords: nematode/vector/virus/transmission/USA/California
- Raski, D.J., Hewitt, W.B., and Schmitt, R.V.(1971). Controlling fanleaf virus - dagger nematode disease complex in vineyards by soil fumigation. *California Agriculture* **25(4)**, 11-14.
Keywords: 1946/grapevine/fanleaf/*Xiphinema* index/vector/control/soil disinfection/DD/methyl bromide/California/USA
Notes: Deep placement with 1,3 dichloropropene at 250 gal/acre and with methyl bromide fumigation.
- Raski, D.J. and Schmitt, R.V.(1972). Progress in control of nematodes by soil fumigation in nematode-fanleaf infected vineyards. *Plant Dis.Reptr.* **56**, 1031-1035.
Keywords: 1948/grapevine/fanleaf/nematodes/*Xiphinema* index/control/soil disinfection/DD/methyl bromide/California/USA
Notes: Preplanting applications of 1,3-dichloropropene and related C 3 hydrocarbons at high rate and deep-placement controlled *X.index* and fanleaf for a period of 5 years in replanted vineyards. Methyl bromide under continuous polyethylene sheeting shows promise as a control for *X. index* and fanleaf virus.
- Raski, D.J., Hart, W.H., and Kasimatis, A.N.(1973). Nematodes and their control in vineyards. *Calif.Agricult.Exp.Sta.Ext.Serv.,Circular* 533 1-20.

- Keywords:** 1945/grapevine/nematodes/Xiphinema index/control/soil disinfection/nematicides/fallow/California/USA
Notes: General description of nematodes, species found in California vineyard soils, life history of prevalent species, control measures.
- Raski, D.J., Maggenti, A.R., and Jones, N.O.(1973). Location of grapevine fanleaf and yellow mosaic virus particles in Xiphinema index. *J.Nematology* **5**, 208-211.
Keywords: 1947/grapevine/fanleaf virus/virus-like particles/Xiphinema index/ultrastructure/electron microscopy/California/USA
Notes: Ultrathin section, histology and electronmicroscopy of the fanleaf virus in the vector nematode.
- Raski, D.J., Jones, N.O., Hafez, S.L., Kissler, J.J., and Luvisi, D.A.(1981). Systemic nematicides tested as alternatives to DBPC. *California Agriculture* **35(5/6)**, 10-12.
Keywords: 2640/grapevine/fanleaf/nematodes/vector/Xiphinema index/soil disinfection/nematicide/systemic/California/USA
Notes: Control of X.index and other nematodes, mainly because of their direct damage. DBPC= 1,2-dibromo-3-chloropropane.
- Raski, D.J., Goheen, A.C., Lider, L.A., and Meredith, C.P.(1983). Strategies against grapevine fanleaf virus and its nematode vector. *Plant Dis.* **67**, 335-339.
Keywords: 2639/grapevine/fanleaf virus/nematode/vector/Xiphinema index/soil disinfection/nematicide/resistance/California/USA
- Ravaz, L.(1936). A propos du court-noué à virus. (About the court-noué/fanleaf due to virus). *Progr.Agric.Vitic.* **2**, 104-110.
Keywords: grapevine/court-noué/fanleaf/virus/France
Notes: One of the many papers by Ravaz on court-noué, most of them in the Prog. Agric. Vitic. from 1900 to 1937. The virus hypothesis is apparently mentioned for the first time in this paper. For all references, see the "Bibliographie des viroses de la vigne des origines à 1965", by A. Caudwell, published by OIV in 1966.
- Razzhivin, A.A., Marinesku, V.G., and Bondarchuk, V.V.(1977). Marbrure des feuilles de la vigne (Grapevine fleck).(In Russian). *Vestnik Selskokhoz.Nauki Kazakhstan* **20 (1)**, 55-57.
Keywords: 1949/grapevine/fleck/occurrence/Kazakhstan/USSR
Notes: A latent virus was found only in imported cultivars. Institute of Fruit Tree Culture and Viticulture of Kazakhstan, USSR.
- Razzhivin, A.A. and Marinesku, V.G.(1984). Grapevine virus diseases and their control (In Russian). *Informlistok Kazniinti* **(178)**, 1-5.
Keywords: 2641/grapevine/virus diseases/control/USSR
- Refatti, E.(1957). Clorosi riprodotte per innesto nella vite e clorosi da ferro-carezza nella vite ed altre specie vegetali. (Chlorosis reproduced by graft in grapevines and chlorosis due to iron deficiency in grapevine and other plant species). *Ann.Fac.Agr.Milano* **6, N.S.**, 89-142.
Keywords: grapevine/chlorosis/yellow mosaic/graft transmission/deficiency/iron/Italy/symptoms
- Refatti, E.(1961). Ulteriori osservazioni su viti ottenute per via agamica da piante affette da ferro-carezza, da virosi o da entrambe. Nota II.(Further observations on grapevines propagated vegetatively from plants affected with iron deficiency, viroses or both). *Ann.Fac.Agr.Milano* **8, N.S.**, 13-22.
Keywords: grapevine/chlorosis/deficiency/iron/yellow mosaic/vegetative propagation/Italy
Notes: See also Riv. Pat. Veg., S.III,(2),3-12, 1961
- Refatti, E.(1962). Sull'identità di reazioni di piante test erbacee con materiale di vite virosato italiano e californiano. (On the identity of symptoms of herbaceous test plants with grapevine source material

- from Italy and California). *Riv. Pat. Veg.* **2 (S.III)** , 113-120.
Keywords: grapevine/fanleaf virus/symptoms/herbaceous hosts/Italy/California/USA
- Refatti, E.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 157-164.
Keywords: grapevine/asteroid mosaic/symptoms/occurrence/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965. See also *Riv. Pat. Veg. Ser. IV*,3, 23-24, 1967.
- Refatti, E., Amici, A., Betto, E., Belli, G., and Librini, F.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 341-349.
Keywords: grapevine/fanleaf virus/yellow mosaic/soil transmission/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965. See also *Riv. Pat. Veg. Ser. IV*,3, 35-45.
- Refatti, E.(1966). Su una possibile correlazione fra il virus del complesso dell'ariccimento e la malattia delle enazioni della vite (On a possible correlation between the virus of the fanleaf complex and grapevine enation disease). *Riv. Pat. Veg. Ser. IV*,**2**, 207-217.
Keywords: grapevine/fanleaf virus/enation/relationship/Italy
- Refatti, E. and Grasso, S.(1973). Grapevine decline phenomena with still an unknown aetiology observed in Sicily. *Riv. Patol. Veg., Ser. IV* **9(3)**, 259-262.
Keywords: 1952/grapevine/virus-like diseases/decline/Sicily/Italy
Notes: Description of a disease observed in Sicily in 1954 for the first time, affecting most varieties, and characterized by delayed bud break in the spring, dwarf growth, small leaves rolled upwards, necrotic longitudinal stripes on the shoots. The growth becomes more normal as the season advances, but many canes die prematurely. Little or no yield. Causes so far unknown.
- Refatti, E.(1975). Diagnosi differenziale fra virosi e altre fitopatie della vite (Differential diagnosis between virus diseases and other diseases of grapevines). *Coltivatore e Giornale Vinicolo Italiano* **121(8)**, 214-219 (See note).
Keywords: 1950/grapevine/virus diseases/virus-like diseases/fanleaf/yellow mosaic/leafroll/corky bark/diagnosis/Italy
Notes: Symptoms on grapevine caused by viruses {GFV, GYMV, GLRV} and by the agent of corky bark and analogous symptoms induced by *Armillariella mellea*, deficiency diseases, cold damages, herbicide damages, leafhopper and red spider. See also *Atti Tavola Rotonda "Malattie da virus e da micoplasmi"*, Lab. Fitovirol. Appl., Torino, 31-44.
- Refatti, E., Granata, G., and Aveni, R.(1975). Casi di screziatura della vite riscontrati in Sicilia. *Tecnica Agricola* **27**, 315-321.
Keywords: 1951/grapevine/fleck/occurrence/Sicily/Italy
Notes: A small vein mosaic (fleck) in indicator *V. rupestris* St. George found to be latent in the variety Nerello Mascalese in Sicily.
- Refatti, E., Granata, G., and Grasso, S.(1977). Casi di suberosi corticale della vite osservati in Sicilia. *Tecnica Agricola* **29**, 79-88.
Keywords: 1952/grapevine/corky bark/occurrence/Sicily/Italy
Notes: Several plants affected by corky bark in a new vineyard in Sicily. Diagnosis confirmed by indexing on LN 33.
- Refatti, E., Rosciglione, B., Sorce, G., Granata, G., and Cannizzaro, G.(1977). *Utilizzazione dei risultati della selezione della vite da vino.* (Martelli, G.P., Ed.) Atti Seminario C.N.R., Bari, Italy. 131-138.
Keywords: 1955/grapevine/clonal selection/sanitary selection/Sicily/Italy
Notes: Work in progress on clonal and sanitary selection of grapevine in Sicily.

- Refatti, E., Granata, G., and Grasso, S.(1978). On small vein mosaic virus. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 197-201.
Keywords: 1953/grapevine/fleck/occurrence/Sicily
Notes: Symptoms of fleck (marbrure) and small vein mosaic found in grapevines in Sicily.
- Refatti, E., Granata, G., Bambara, G., Picciolo, F., Zappalà, A., and Grasso, S.(1979). Importanza e frequenza delle malattie da virus in alcune aree viticole della Sicilia. *Riv.Patol.Veg.,Ser.IV* **15**, 79-90.
Keywords: 2644/grapevine/fanleaf/leafroll/enation/corky bark/stem pitting/Sicily/Italy
Notes: Fanleaf widespread. Yellow mosaic and veinbanding rare. Enation only in one vineyard. Leafroll widespread.
- Refatti, E. and Granata, G.(1980). Distribution of grapevine fleck disease in Sicily and reaction of some indicators. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 35-39.
Keywords: 2642/grapevine/fleck/indexing/woody indicators/symptoms/Sicily/Italy
- Refatti, E., Granata, G., Bambara, G., Picciolo, F., Romeo, S., and Marchese, F.(1981). Considerazioni sulle malattie da virus della vite riscontrate in Sicilia nella fase di preselezione (Considerations on the viruses of grapevine observed in Sicily in the preselection phase). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite,Venezia* 363-369.
Keywords: 2643/leafroll/fanleaf/stem pitting/corky bark/enation/fleck/sanitary selection/Sicily/Italy/grapevine
- Renaud-Casanova, J.(1978). Nematodes associated with grape in Venezuela. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 301
Keywords: 1956/grapevine/nematodes/Xiphinema/Venezuela
Notes: Several genera are reported. Xiphinema spp. associated with virus symptoms in vineyards is discussed.
- Reynolds, S.L. and Corbett, M.K.(1980). The association of tobacco ringspot virus with decline of Maryland grown grapevines. *Phytopathology* **70**, 692-Abstract
Keywords: 2645/grapevine/decline/tobacco ringspot virus/Maryland/USA
- Reynolds, S.L. and Corbett, M.K.(1980). Electron microscopy of viral-like particles in Chardonnay grapes. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 205-210.
Keywords: 2646/grapevine/virus-like particles/electron microscopy/ultrastructure/Maryland/USA
- Rhode, R.A., McElroy, R.D., Stace-Smith, R., Taylor, R.H., Robertson, W.M., Wyss, U., and McGuire, J.M.(1977). Symposium on nematode transmission of viruses. *Proc.Amer.Phytopathol.Soc.* **4**, 1-50.
Keywords: 1957/nematodes/nepoviruses/transmission/vectors
Notes: 6 invitational papers, with an introduction by R.A. Rhode, presented at the 69th Annual Meeting of the American Phytopathological Society: Nematodes as vectors of plant viruses, p. 1-10 (R.D. McElroy). Characteristics of nematode-borne plant viruses, p. 11-20 (R. Stace-Smith). Virus vector relationships and mechanics of transmission, p. 20-29 {C.E. Taylor and W.M. Robertson}. Feeding processes of virus-transmitting nematodes, p. 30-41 (U. Wyss). Epidemiology of nematode-borne viruses and their vectors, p. 42-49 (J.M. McGuire). Summation and future trends in virus transmission research, p. 49-50 (C.E. Taylor).
- Rives, L.(1923). Le court-noué et les mycorrhizes endotrophes de la vigne. (The court-noué/fanleaf and the endotrophic mycorrhizae of grapevine). *Rev.vitic.* 389-405.
Keywords: grapevine/court-noué/fanleaf/mycorrhizae/France
- Rives, L.(1924). Le court-noué et les mycorrhizes endotrophes de la vigne. (The court-noué/fanleaf and the endotrophic mycorrhizae of grapevines). *C.R.Acad.Agric.Fr.* **10**, 135
Keywords: grapevine/court-noué/fanleaf/mycorrhizae/France

- Rives, M.(1968). Praktische und physiologische Aspekte von Pfropftechniken zum Virusnachweis in Reben (Practical and physiological aspects of grafting techniques for indexing grapevines). *Weinberg u.Keller* **15**, 523-525.
Keywords: grapevine/indexing/graft transmission/technique/France/meeting/ICVG
Notes: Abstr. 2nd ICVG meeting, Bernkastel-Kues, Germany, 1967.
- Rives, M.(1970). Complete cure of a whole plant of *Vitis rupestris* cv. du Lot (St. George) of grapevine fanleaf by thermotherapy. *Pl.dis.reptr.* **54**, 915-916.
Keywords: grapevine/fanleaf/heat therapy/*Vitis rupestris*/France
- Rives, M. and Hévin, M.(1970). Utilisation possible du Chasselas comme indicateur de l'enroulement (Possible use of Chasselas as an indicator for leafroll). *Vitis* **9**, 130-133.
Keywords: grapevine/leafroll/indexing/France
- Rives, M.(1971). *Traité d'Ampélogie: Sciences et Techniques de la Vigne. Tome II.* (Ribéreau-Gayon, J. and Peynaud, E., Eds.) Dunod, Paris,France. 399-430.
Keywords: 1958/grapevine/virus diseases/virus-like diseases/general/France
- Rives, M.(1971). *Traité d'Ampélogie: Sciences et Techniques de la Vigne. Tome II.* (Ribéreau-Gayon, J. and Peynaud, E., Eds.) Dunod, Paris, France. 623-637.
Keywords: 1559/grapevine/virus diseases/virus-like diseases/control/France
- Rives, M.(1972). Séparation de la marbrure et du court-noué {panachure} chez la vigne par thermothérapie (Separation of fleck and fanleaf-yellow mosaic in grapevine by heat therapy). *Ann.Phytopathol.* **No. hors série**, 75-77.
Keywords: 1960/grapevine/fleck/fanleaf/heat therapy/France
Notes: Heat treatment freed plants of fanleaf virus but not all plants of marbrure (fleck).
- Rives, M.(1974). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport français (Clonal and sanitary selection. Methods and results. Distribution of selected material. French report). *Bull.OIV* **47(525)**, 881-884.
Keywords: 1961/grapevine/clonal selection/sanitary selection/methods/certification/France
- Roberts, I.M. and Brown, D.J.F.(1980). Detection of six nepoviruses in their nematode vectors by immunosorbent electron microscopy. *Ann.Appl.Biol.* **96**, 187-192.
Keywords: 2647/grapevine/arabis mosaic virus/raspberry ringspot virus/tomato black ring virus/strawberry latent ringspot virus/fanleaf virus/grapevine chrome mosaic virus/detection/nematode/vector/immunosorbent electron microscopy/United Kingdom
Notes: For all the virus mentioned in the keywords, detection was possible in extracts of a single nematode, after feeding on roots of infected *Chenopodium quinoa* or *Petunia hybrida* for 4 weeks.
- Roca, F. and Lamberti, F.(1978). Longidoridae of Italian vineyards. I. The genus *Xiphinema*. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 251-253.
Keywords: 1962/grapevine/Longidoridae/*Xiphinema*/biology/classification/occurrence/Italy
- Roca, F.(1980). I nematodi di importanza economica in viticoltura (Nematodes of economic importance for viticulture). *Atti.Giorn.Nematol.Ascoli Piceno* 21-31.
Keywords: 2648/grapevine/nematodes/economic importance/Italy
- Roca, F.(1984). Nematodi vettori di virus e relativa lotta (The nematodes vectors of viruses and their control). *Informatore Fitopatol.* **34(7/8)**, 33-43.
Keywords: 2649/grapevine/nematode/vector/control/general/Italy
- Roca, F., Landriscina, S., and Lamberti, F.(1984). Risultati preliminari di lotta contro *Xiphinema index* in un vigneto dell'Italia meridionale (Preliminary results of control of *X.index* in a vineyard of southern

- Italy). *Atti.Giorn.Fitopatol.*1984 **(2)**, 545-549.
Keywords: 2650/grapevine/Xiphinema index/control/Italy
- Rochaix, M., Bovey, R., and Simon, J.L.(1974). Etat actuel des travaux sur la sélection clonale génétique et sanitaire. Méthodes et résultats. Diffusion du matériel sélectionné. Rapport suisse (Clonal and sanitary selection. Methods and results. Distribution of selected material. Swiss report). *Bull.OIV* **47(520)**, 467-475.
Keywords: 1963/grapevine/clonal selection/sanitary selection/methods/certification/Switzerland
- Roggen, D.R.(1966). On the morphology of Xiphinema index reared on grape fanleaf infected grapes. *Nematologica* **12**, 287-296.
Keywords: grapevine/fanleaf virus/Xiphinema index/morphology
- Romascu, E. and Zinca, N.(1974). Xiphinema index THORNE et ALLEN, 1950 (Nematoda: Dorylaimidae), a new damaging pest of grapevine in Romania.(In Rumanian, Eng. sum.). *An.Inst.Cercet.Prot.Plantelor* **10**, 273-283.
Keywords: 2181/grapevine/Xiphinema index/Rumania
- Romero, J., Peña-Iglesias, A., Fisac, R., Anton, M.T., and Perez, M.C.(1978). Comparación de propiedades biológicas, biofísicas y bioquímicas de algunas estirpes del virus del entrenudo corto infeccioso de la vid (Grapevine fanleaf virus o GFV).(Comparison of biological, biophysical and biochemical properties of some strains of fanleaf virus). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 51-58.
Keywords: 1964/grapevine/fanleaf virus/strains/properties/symptoms/herbaceous hosts/Spain
Notes: Symptoms on herbaceous plants also given.
- Rosciglione, B., Castellano, M.A., Martelli, G.P., Savino, V., and Cannizzaro, G.(1983). Mealybug transmission of grapevine virus A. *Vitis* **22**, 331-347.
Keywords: 2652/grapevine/grapevine virus A/mealybugs/transmission/vector/herbaceous hosts/Italy
- Rosciglione, B. and Castellano, M.A.(1985). Further evidence that mealybugs can transmit grapevine virus A (GVA) to herbaceous host. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 186-188.
Keywords: 2651/grapevine/grapevine virus A/herbaceous hosts/transmission/mealybugs/vector/Italy
- Rosenberger, D.A.(1982). *Phytopathogenic prokaryotes, vol. 2 (506 pp)* . (Mount, M.S. and Lacy, G.H., Eds.) Academic Press, New York, London, etc. 71-100.
Keywords: 2653/grapevine/Pierce's disease/epidemiology/review/USA
- Rui, D. and Egger, E.(1977). Guida per il riconoscimento delle principali avversità patologiche nel vivaio di vite (Guide for identifying the main diseases in grapevine nurseries). *Riv.Viticult.Enol.* **30**, 3-35.
Keywords: 2182/grapevine/virus diseases/virus-like diseases/Italy
- Rumbos, I. and Nienhaus, F.(1977). Rickettsien-ähnliche Organismen in Zusammenhang mit einer Vergilbungskrankheit der Reben an Rhein und Mosel in Deutschland (Rickettsia-like organisms in relation with a yellows disease of grapevine in Rhine and Mosel regions in Germany). *Mededel.Fac.Landbouwwetenschap.(Gent)* **42**, 1245-1252.
Keywords: 1990/grapevine/Vergilbungskrankheit/yellows/rickettsia-like organisms/Germany
Notes: Rickettsia-like microorganisms found associated with a yellows disease of grapevine, mainly in phloem but some in xylem of roots of diseased plants. RLO found in dividing stages in Xiphinema index associated with disease.
- Rumbos, I., Sikora, R.A., and Nienhaus, F.(1977). Rickettsia-like organisms in Xiphinema index THORNE and ALLEN found associated with yellows disease of grapevines. *Z.Pflanzenkrankh.Pflanzensch.* **84**, 240-243.

Keywords: 1991/grapevine/yellows/Vergilbungskrankheit/rickettsia-like organisms/associated/Germany

Rumbos, I.(1978). Untersuchungen über Rickettsien-ähnliche Organismen in vergilbungsranken Weinreben (*Vitis vinifera* L.). (Research on rickettsia-like organisms in grapevines affected with Vergilbungskrankheit). *Diss.Univ.Bonn* 1-46.

Keywords: 1988/grapevine/Vergilbungskrankheit/yellows/rickettsia-like organisms/etiology/in vitro culture/electron microscopy/Germany

Notes: Rickettsia-like organisms found in roots of grapevines with yellows disease in german vineyards of the Saar, Mosel and Rhine regions are considered as the causal pathogens of this disease. They can be cultivated on chick embryo. Similar micropathogens are found in nematodes of the species *Xiphinema index* feeding on infected plants. *X. index* is considered as the probable vector of this disease.

Rumbos, I.(1978). Rickettsialike organisms and nematode fauna associated with yellows disease of grapevines in Germany, France and Greece. *3rd Internat. Congr.Plant Pathol.,Munich (Germany)* 64-Abstract

Keywords: 1989/grapevine/yellows/nematode/vector/*Xiphinema*/Greece/Germany/France

Rumbos, I. and Biris, D.(1979). Studies on the etiology of a yellows disease of grapevines in Greece. *Z.Pflanzenkrankh.Pflanzensch.* **86**, 266-273.

Keywords: 2671/grapevine/yellows/etiology/Greece

Rumbos, I. and Biris, D.(1980). Preliminary report on the control of a yellows disease of grapevine in Greece. *Proc.5th Congr.Mediterr.Phytopathol.Union,Patras,Greece* 57-59.

Keywords: 2672/grapevine/yellows/control/Greece

Rumbos, I.(1981). Virus and virus-like diseases affecting grapevine in central and northern Greece.(In Greek, Eng. sum.). *Greek.Geot.Congr.Chalkidiki*

Keywords: 2668/grapevine/virus diseases/virus-like diseases/Greece

Rumbos, I.(1982). A serious yellows grapevine disease in Greece (In Greek, Eng. sum.). *Geoponika* **27(292/293)**, 194-201.

Keywords: 2669/grapevine/yellows/Greece

Rumbos, I. and Avgelis, A.(1985). Natural spread, importance and distribution of yellows, stem pitting and enation disease of grapevine in some viticultural areas of Greece. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 73-78.

Keywords: 2670/grapevine/yellows/stem pitting/enation/Greece

Russo, M.(1975). Microscopia elettronica dei virus della vite. (Electron microscopy of grapevine viruses). *Coltivatore e Giornale Vinicolo Italiano* **121(9)**, 270-271.

Keywords: 1992/grapevine/viruses/electron microscopy/diagnosis/ultrastructure/review/Italy

Notes: See also Atti Tavola Rotonda "Maladie da virus e da micoplasmi della vite", Lab. Fitoviol. Appl. C.N.R., Torino, 55-59.

Russo, M., Martelli, G.P., and Savino, V.(1980). Immunosorbent electron microscopy for detecting sap-transmissible viruses of grapevine. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 251-257.

Keywords: 2674/grapevine/viruses/detection/serology/immunosorbent electron microscopy/indexing/mechanical transmission/fanleaf virus/Bulgarian latent virus/grapevine chrome mosaic virus/arabis mosaic virus/artichoke Italian latent virus/Italy

Russo, M.(1985). Electron microscopy of grapevine virus infections. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 144-147.

Keywords: 2673/grapevine/electron microscopy/ultrastructure/viruses/histology/Italy

- Rüdel, M.(1964). Bericht über die Tagung des "International Council for the Study of Viruses and Virus Diseases of the Grape", Nyon 1964. (Report on the meeting of the "International Council for the Study of Viruses and Virus Diseases of the Grape", Nyon 1964). *Wein-Wiss.* **19**, 446-449.
Keywords: grapevine/virus diseases/virus-like disease/viruses/Switzerland/Germany/meeting/ICVG
Notes: In German. Report on the first meeting of ICVG at the Federal Agricultural Research Station of Changins/Nyon, Switzerland.
- Rüdel, M.(1967). Virusinfektionen an Unkräutern in Weinbergen (Virus infections in weeds in vineyards). *Wein-Wiss.* **22**, 337-350.
Keywords: grapevine/virus/weeds/vineyard/Germany
- Rüdel, M.(1969). *Vergleichende Untersuchungen zur Bewertung der Selektionsmerkmale bei reisigkranken Reben (Comparative trials for determining criteria of grapevine selection in vineyards affect by Reisigkrankheit).*, PH.D. thesis, University of Stuttgart-Hohenheim,
Keywords: grapevine/Reisigkrankheit/fanleaf virus/arabis mosaic virus/raspberry ringspot virus/selection/symptoms/Germany/thesis
- Rüdel, M.(1970). Vergleichende Untersuchungen über Selektionsmerkmale bei reisigkranken Reben. I. Ergebnisse der Testpflanzenmethode (Comparative investigation on selection criteria on grapevines with Reisigkrankheit. I. Results of indexing on herbaceous hosts). *Z.Pflanzenkrankh.Pflanzensch.* **77**, 186-195.
Keywords: 1965/nepoviruses/Reisigkrankheit/sanitary selection/indexing/herbaceous hosts/Germany
- Rüdel, M.(1971). Vorkommen einiger Arten der Gattung Xiphinema {Nematoda: Dorylaimidae} in Pfalz und Rheinhessen (Occurrence of some species of Xiphinema in Palatinate and Rheinhessen). *Weinberg und Keller* **18**, 505-520.
Keywords: 1966/grapevine/Xiphinema/occurrence/Germany
- Rüdel, M. and Brückbauer, H.(1971). Bodenentseuchung um Weinbau und ihre Problematik (Soil disinfection in viticulture and its problems). *Dt.Weinbau* **26**, 5-11.
Keywords: 1986/grapevine/soil disinfection/nematodes/Germany
- Rüdel, M.(1972). Wirtspflanzenkreis des Nematoden Xiphinema vuittenezi (Host range of X. vuittenezi). *Jahresbericht 1971 des FDW bei der DLG* 30
Keywords: 1967/grapevine/Xiphinema vuittenezi/host plants/Germany
- Rüdel, M.(1972). Bodenentseuchung aus heutiger Sicht (Soil disinfection today). *Dt.Weinbau* **27**, 114-116.
Keywords: 1968/grapevine/soil disinfection/Germany
- Rüdel, M.(1972). Bekämpfung von Nematoden im Weinbau (Nematode control in viticulture). *Forschung - Schule - Praxis (Neustadt/Wstr.)* **20**, 16-22.
Keywords: 1969/grapevine/nematode/control/Germany
- Rüdel, M.(1972). Bodenentseuchung im Ahr-Weinbaugebiet (Soil disinfection in the Ahr viticultural region). *Zweijahresbericht der LLVA Ahrweiler* 57-61.
Keywords: 1970/grapevine/nematodes/nematicides/soil disinfection/Germany
- Rüdel, M.(1973). Vergleichende Untersuchungen zur Bewertung der Selektionsmerkmale bei reisigkranken Reben. II. Ausprägung von Krankheitsmerkmalen an Reben (Comparative investigations on selection criteria with Reisigkrankheit-infected grapevines. II. Symptom expression in grapevines). *Wein-Wiss.* **28**, 147-159.
Keywords: 1971/grapevine/sanitary selection/Reisigkrankheit/symptoms/Germany

- Rüdel, M.(1973). Vergleichende Untersuchungen zur Bewertung der Selektionsmerkmale bei reisigkranken Reben. III. Vergleich der Beurteilungsmerkmale (Comparative investigations on selection criteria with Reisigkrankheit-infected grapevines. III. Comparison of symptoms). *Wein-Wiss.* **28**, 228-247.
Keywords: 1972/grapevine/sanitary selection/nepoviruses/Reisigkrankheit/symptoms/Germany
- Rüdel, M.(1973). Virusübertragende Nematoden im heimischen Weinbau (Nematode vectors in local viticulture). *Dt.Weinbau-Jahrb.* **24**, 99-104.
Keywords: 1973/grapevine/nematodes/vectors/nepoviruses/Germany
- Rüdel, M.(1973). Vorkommen von Xiphinema-Arten in Weinbaugebieten von Pfalz und Rheinhessen (Occurrence of Xiphinema species in viticultural regions of Platinat and Rheinhessen). *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 107-113.
Keywords: 1974/grapevine/Xiphinema/occurrence/geographic distribution/Germany
Notes: Nematode species in the Pfalz and Rheinhessen, distribution and relative populations, map and tables.
- Rüdel, M.(1974). Chemische Bodenentseuchung zur Bekämpfung virusübertragender Nematoden im Weinbau (Chemical soil treatment for controlling nematode vectors of virus in viticulture). *Kali-Briefe Fachgeb.12, Folge 1*, 1-10.
Keywords: 1975/grapevine/nepovirus/transmission/nematode/Xiphinema/Longidorus/soil disinfection/nematicide/Germany
- Rüdel, M.(1974). *Forschung - Schule - Praxis. Festschrift z. 75-jähr. Bestehen der LLFA für Wein- und Gartenbau, Neustadt (1899-1974)*. (Anonymous Landes- Lehr- und Forschungsanstalt für Wein- und Gartenbau, Neustadt and der Weinstrasse, BRD. 233-243.
Keywords: 1976/grapevine/nematodes/vectors/nepoviruses/Germany
- Rüdel, M.(1974). Wirtspflanzenkreis des Nematoden Xiphinema vuittenezi (Abschlussbericht). (Host range of Xiphinema vuittenezi, final report). *Jahresbericht 1973 des FDW bei der DLG* 21
Keywords: 1977/grapevine/Xiphinema vuittenezi/host plants/Germany
- Rüdel, M.(1975). Untersuchungen über den Wirtspflanzenkreis des Nematoden Xiphinema vuittenezi.(Research on the host range of X. vuittenezi). *Wein-Wiss.* **30**, 21-27.
Keywords: 1978/grapevine/Xiphinema vuittenezi/Germany
- Rüdel, M.(1975). Schadnematoden im Weinbau (Noxious nematodes in viticulture). *Dt.Weinbau-Jahrb.* **26**, 159-165.
Keywords: 1979/grapevine/nematodes/general/Germany
- Rüdel, M.(1976). Untersuchungen über Möglichkeiten zur Bekämpfung von Vektoren im Weinbau durch Einsatz niedrigdosierter Nematizide in Verbindung mit biologischen Massnahmen (Kurzbrache, Wahl geeigneter Brachepflanzen und Rebsorten) oder anderer Massnahmen (Kurzbericht). (Research on possibilities of control of vectors in viticulture by using low dosages of nematicides in connection with biological measures [short fallow, choice of adequate intermediate cultures and grapevine cultivars] or other measures). *Jahresbericht 1975 des FDW bei der DLG* 23
Keywords: 1980/grapevine/nematodes/vectors/control/soil disinfection/fallow/Germany
- Rüdel, M.(1977). Übertragungen des Tomatenschwarzringflecken-Virus (tomato black ring virus) durch den Nematoden Longidorus attenuatus (Nematoda) auf Reben und andere Pflanzenarten (Transmission of tomato black ring virus) by the nematode Longidorus attenuatus to grapevine and other plant species). *Wein-Wiss.* **32**, 11-24.
Keywords: 1981/grapevine/tomato black ring virus/transmission/vector/Longidorus attenuatus/Longidorus/Germany

- Rüdel, M.(1977). Bekämpfung virusübertragender Nematoden im Weinbau durch Gründüngung ? (Control of nematode vectors of viruses in viticulture by green manure ?). *Dt.Weinbau-Jahrb.* **28**, 135-139.
Keywords: 1982/grapevine/nematodes/vectors/control/Germany
- Rüdel, M., Querfurth, G., and Paul, H.L.(1977). Natürliches Vorkommen des "carnation ringspot virus" in *Stellaria media* (L.) CYRILL. aus Weinbergen erstmals nachgewiesen (Natural occurrence of carnation ringspot virus in *Stellaria media* in vineyards recorded for the first time). *Nachrichtenbl.Dt.Pflanzenschutzd.* **29**, 59-60.
Keywords: 1987/grapevine/carnation ringspot virus/occurrence/*Stellaria media*/vineyard/Germany
- Rüdel, M.(1978). Übertragung des Arabis-Mosaik-Virus (AMV) durch den Nematoden *Xiphinema diversicaudatum* (MICOLETZKI) THORNE auf Rebensämlinge (vorläufige Mitteilung). *Wein-Wiss.* **33**, 243-247.
Keywords: 1983/grapevine/arabis mosaic virus/transmission/vector/*Xiphinema diversicaudatum*/Germany
Notes: Transmission of Arabis mosaic virus to grapevine seedlings by *Xiphinema diversicaudatum*.
- Rüdel, M.(1978). Bodenentseuchung zur Nematodenbekämpfung im Weinbau (Soil disinfection for controlling nematodes in viticulture). *Winzer-Kurier* (**8**),
Keywords: 1985/grapevine/nematodes/soil disinfection/Germany
- Rüdel, M.(1978). Bodenentseuchung zur Nematodenbekämpfung im Weinbau - Wirksamkeit und Rentabilität (Soil disinfection in viticulture - efficacy and economic return). *Weinberg und Keller* **25**, 503-516.
Keywords: 1984/grapevine/nepoviruses/nematodes/vectors/soil disinfection/economic importance/Germany
Notes: Fumigation with Shell DD (1000l/ha). The cost of fumigation is balanced after the 4th crop by the increase of yield.
- Rüdel, M.(1979). *Jahresbericht 1978*. (AnonymousLandes Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt and der Weinstrasse, BRD. 88-93.
Keywords: 2654/grapevine/nematodes/vector/*Xiphinema index*/*Xiphinema diversicaudatum*/*Xiphinema vuittenezi*/*Longidorus*/raspberry ringspot virus/arabis mosaic virus/Germany
- Rüdel, M.(1979). Einige Erfahrungen zur chemischen Bodenentseuchung im Weinbau gegen virusübertragende Nematoden (Experiments on chemical soil disinfection against nematode vectors of viruses in viticulture). *Dt.Weinbau-Jahrb.* **29**, 153-158.
Keywords: 2655/grapevine/soil disinfection/nepoviruses/nematodes/Germany
- Rüdel, M.(1979). Kann man auf eine chemische Bodenentseuchung verzichten ? (Is it possible to give up soil disinfection ?). *Wein-Wiss.* **34**, 106-115.
Keywords: 2656/grapevine/soil disinfection/nematodes/nepoviruses/Germany
Notes: The drastic restriction to the use of nematicide in viticulture poses a serious problem to German viticulture.
- Rüdel, M.(1980). *Jahresbericht 1979*. (AnonymousLandes- Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt an der Weinstrasse, BRD. 92-99.
Keywords: 2657/grapevine/nematodes/vector/*Xiphinema index*/*Xiphinema diversicaudatum*/*Xiphinema vuittenezi*/*Longidorus*/fanleaf virus/arabis mosaic virus/raspberry ringspot virus/soil disinfection/nematicide/Germany

- Rüdel, M.(1980). Bodenentseuchung bei Neuanlagen: ja oder nein ? (Soil disinfection before new plantings: yes or no ?). *Dt.Weinbau* **35**, 343-344.
Keywords: 2658/grapevine/soil disinfection/nematicide/nematode/control/Germany
- Rüdel, M.(1980). Xiphinema vuittenezi (Nematoda: Dorylaimidae) - Virusüberträger bei Reben ? (Xiphinema vuittenezi (Nematoda: Dorylaimidae) - Vector of virus or not ?). *Wein-Wiss.* **35**, 177-194.
Keywords: 2659/grapevine/Xiphinema vuittenezi/fanleaf virus/vector/hypothesis/Germany
Notes: The possibility that Xiphinema vuittenezi is a vector of fanleaf virus cannot be ruled out, although it is very difficult to prove.
- Rüdel, M.(1981). *Jahresbericht 1980*. (AnonymousLandes- Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt an der Weinstrasse, BRD. 89-95.
Keywords: 2660/grapevine/nematodes/vector/Xiphinema index/Xiphinema vuittenezi/Siddiqia/fanleaf virus/arabis mosaic virus/raspberry ringspot virus/Germany
- Rüdel, M.(1981). Oekologische Anbaumethoden im Weinbau und eine mögliche Beeinflussung virusübertragender Nematoden (Ecologic cultivation methods in viticulture and a possible influence on the multiplication of virus transmitting nematodes). *Dt.Weinbau-Jahrb.* **32**, 119-124.
Keywords: 2661/grapevine/nepoviruses/nematodes/transmission/Germany
- Rüdel, M.(1981). *Jahresbericht 1981*. (AnonymousLandes- Lehr- und Forschungsanstalt für Landwirtschaft, Weinbau und Gartenbau, Neustadt and der Weinstrasse, BRD. 65-68.
Keywords: 2662/grapevine/nematodes/vector/Xiphinema index/Xiphinema vuittenezi/fanleaf virus/arabis mosaic virus/raspberry ringspot virus/Germany
- Rüdel, M.(1983). Was kann man gegen Viruskrankheiten der Rebe tun ? (What can we do against grapevine virus diseases?). *Dt.Weinbau* **38**, 435-438.
Keywords: 2663/grapevine/Reisigkrankheit/leafroll/Kerner disease/control/Germany
- Rüdel, M.(1983). Beobachtungen über eine Absterbeerscheinung an der Sorte Kerner (Holzrunzeligkeit) in pfälzischen Weinbergen (Observations on a dieback of the variety Kerner (Wood pitting) in vineyards of the Palatinate). *Dt.Weinbau* **38**, 1174-1177.
Keywords: 2664/grapevine/Kerner disease/symptoms/Germany
- Rüdel, M., Alebrand, M., and Altmayer, B.(1983). Untersuchungen über den Einsatz des ELISA-Tests zum Nachweis verschiedener Rebviren (Research on the use of ELISA for detecting various viruses). *Wein-Wiss.* **38**, 177-185.
Keywords: 2667/grapevine/viruses/serology/detection/ELISA/fanleaf virus/arabis mosaic virus/raspberry ringspot virus/Germany
- Rüdel, M.(1984). Was kann der Praktiker bei der Gesundheitsselektion der Rebe tun ? (What can the grower do for the sanitary selection of grapevine ?). *Dt.Weinbau-Jahrb.* **35**, 123-127.
Keywords: 2665/grapevine/selection/Germany
- Rüdel, M.(1985). Grapevine damage induced by particular virus-vector combinations. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 183-185.
Keywords: 2666/grapevine/viruses/vector/symptoms/fanleaf virus/arabis mosaic virus/raspberry ringspot virus/tomato black ring virus/strawberry latent ringspot virus/Xiphinema index/Xiphinema diversicaudatum/Xiphinema vuittenezi/Longidorus/Siddiqia/Germany
- Salerno, M. and Musumeci, A.(1959). Contributo allo studio della "Degenerazione infettiva" della vite in Sicilia.I.Indagine sui rapporti fra cordoni endocellulari e sintomi e sintomi macroscopici della malattia.(Contribution to the study of the infectious degeneration of grapevine in Sicily. I. Relations between the trabeculae and the macroscopic symptoms). *Atti Ist.Bot.e Lab.Critt.Univ.Pavia* **16**, S.V., 310-334.

- Keywords:** grapevine/degenerazione infettiva/infectious degeneration/fanleaf/trabeculae/symptoms/Sicily/Italy
- Salerno, M.(1961). Contributo allo studio della "Degenerazione infettiva" della vite in Sicilia. II. Frequenza dei sintomi macroscopici della malattia su alcune delle piu importanti cultivar della zona Etna. (Contribution to the study of infectious degeneration of grapevine in Sicily. II. Occurrence of macroscopic symptoms of the disease on some of the most important cultivars of the Etna region). *Not.Mal.Piante* **55 (N.S.34)**, 69-91.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/symptoms/Sicily/Italy
- Salerno, M.(1961). Osservazioni ed esperienze sul "giallume infettivo" della vite nella Sicilia orientale. (Observations and experiments on yellow mosaic of grapevine in eastern Sicily). *Not.Mal.Piante* **55 (N.S.34)**, 29-42.
Keywords: grapevine/yellow mosaic/symptoms/Sicily/Italy
- Salerno, M.(1962). Effetti di somministrazioni di boro in viti apperentemente sani e con sintomi di "Degenerazione infettiva" nella zona Etna. (Effects of boron on apparently healthy grapevines and on grapevines with symptoms of infectious degeneration/fanleaf in the Etna region). *Not.Mal.Piante* **65 (N.S.44)**, 31-39.
Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/boron/control/Sicily/Italy
- Samonina, I.N., Milkus, B.N., Krylov, A.V., and Krylova, N.V.(1973). A grapevine virus disease in Primorye Territory, USSR. *Riv.Patol. Veg., Ser.IV* **9(Suppl.)**, 68-72.
Keywords: 1994/grapevine/virus-like diseases/vein mosaic/symptoms/USSR
Notes: A "grapevine linear pattern virus" disease is described. Attempts to transmit the virus mechanically to herbaceous plants gave negative results. Some rod-shaped particles were observed in partly purified preparations. It could be vein mosaic, perhaps.
- Samonina, I.N.(1975). Viruses and Virus Diseases of Grape; a bibliography. *Acad.Sci.,USSR,Far Eastern Scientific Center,Biology and Soils Institute,Vladivostok* 1-213.
Keywords: 1993/grapevine/viruses/virus diseases/virus-like diseases/bibliography/USSR
- Samonina, I.N., Milkus, B.N., and Krylov, A.V.(1975). The virus diseases in Primorye territory, USSR.(In Russian, Eng. sum.). *Proc.Inst.Biol.Pedol.Far-East Sci.Centre Acad.Sci.USSR* **31(134)**, 33-36.
Keywords: 1995/grapevine/virus diseases/virus-like diseases/USSR
Notes: Part of a series intitled "Virusnye Bolzenii rastenii na Dalnego Vostoke" (Plant Virus Diseases in the Far East).
- Sanctis, F.D.(1981). Virosi e selezione sanitaria della vite nel Lazio (Virus diseases and selection of grapevine in Latium). *Ann.Ist.Sper.Patol.Veg.Roma* **7**, 115-123.
Keywords: 2675/grapevine/sanitary selection/Italy
- Sarejanni, J.A.(1950). Rapport sommaire sur les principales maladies des plantes observées en Grèce (Report on the main plant diseases recorded in Greece). *Ann.Inst.Phytopathol.Benaki* **4**, 5-7 (See note).
Keywords: 1421/grapevine/fanleaf/occurrence/Greece
Notes: Continued in vol. 5,12-14(1951); 6,5-9(1952); 7,5-10(1953); 9,3-9(1955). Observations on the presence of symptoms of infectious degeneration in various parts of Greece.
- Saric-Sabados, A. and Corte, A.(1960). Dati preliminari su una forma di "degenerazione infettiva" della vite in Istria a complesso sintomatologico insolito.(Preliminary data on a type of infectious degeneration/fanleaf in Istria with an unusual symptomatology). *Atti Ist.Bot.e Lab.Critt.Univ.Pavia* **17, Ser.V.**, 268-273.

Keywords: grapevine/degenerazione infettiva/infectious degeneration/fanleaf/symptoms/Istria/Yugoslavia

Saric-Sabados, A. and Panjan, M.(1961). Trasmissione su piante erbacee delle virosi della vite. (Transmission of grapevine viruses to herbaceous hosts). *Riv.Pat. Veg.* **1 (ser.III)**, 293-297.
Keywords: grapevine/fanleaf/nepovirus/mechanical transmission/herbaceous hosts/Yugoslavia

Saric, A.(1973). Virus diseases of grapevine.(In Croatian). *Jugoslov.Vinogradar i Vinar.* **7**, 5
Keywords: 1996/grapevine/virus diseases/virus-like diseases/Yugoslavia

Saric, A. and Hranuelli, T.(1977). Investigation of grapevine viruses in the SR Croatia. *Savjetovanje o ekscoriozi i virusnim bolestima vinove loze (Proc.Conf.on Excoriosis and Virus Diseases of Grapevine) Hepok,Mostar (Yugosl.)* 149-151.

Keywords: 1997/grapevine/virus diseases/virus-like diseases/fanleaf/arabis mosaic virus/leafroll/fleck/grapevine chrome mosaic virus/vein mosaic/yellow dwarf/Yugoslavia

Notes: Fanleaf virus is the most widespread virus in this region. Arabis mosaic virus is less frequently isolated, chrome mosaic virus only once. Leafroll and fleck are common in many varieties and rootstocks. Vein mosaic and yellow speckle-like symptoms were found only on imported Rcaziteli.

Sarooshi, R.A. and Bevington, K.B.(1976). Graft incompatibility in a Gordo blanco rootstock trial. *Austral.Grapgrower Winemaker* 11-12.

Keywords: 2001/grapevine/stem pitting/graft incompatibility/performance/Australia

Notes: 9 Gordo clones were tested on 8 rootstocks. Vines on Salt Creek declined markedly and vines on Rupestris St. George yielded less than on own roots. Stem pitting occurred on St. George apparently legno riccio which must have been transmitted from the Gordo clone.

Sarooshi, R.A., Bevington, K.B., and Coote, B.G.(1982). Performance and compatibility of 'Muscat Gordo Blanco' grape on eight rootstocks. *Scientia Horticulturae* **16**, 367-374.

Keywords: 2676/grapevine/stem pitting/rootstock/performance/Australia

Sarospataki, G.(1965). Untersuchungen von Viruskrankheiten der Rebe in Ungarn. (Research on grapevine virus diseases in Hungary). *Wein-Wiss.* **1**, 20-37.

Keywords: grapevine/virus diseases/Hungary/general

Notes: In German.

Sasahara, H., Tada, K., Iri, M., Takezawa, T., and Tazaki, M.(1981). Regeneration of plantlets by meristem tip culture for virus-free grapevine.(In Japanese, Eng. sum.). *J.Jap.Soc.Hort.Sci.* **50**, 169-175.

Keywords: 2677/grapevine/virus elimination/meristem tip culture/methods/Japan

Notes: Zenkoji grapevines. Half strength Murashige Skoog medium, with NAA, BA and kinetin.

Sastinsky, J.(1979). Chip-budding in the recovery process of grapevine from virus diseases. (In Russian, Eng., Fr. Slovak sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra* 77-86.

Keywords: 2678/grapevine/indexing/methods/Czechoslovakia

Savino, V., Quacquarelli, A., Martelli, G.P., and Khudair, M.M.A.(1975). Occurrence of grapevine fanleaf virus in Jordan. *Phytopathol.Mediter.* **14**, 132-133.

Keywords: 2003/grapevine/fanleaf virus/occurrence/Jordan/Italy

Notes: Fanleaf virus was isolated from vines in Jordan showing typical symptoms of fanleaf yellow mosaic and "legno riccio". The Jordanian GFV isolates were serologically and biologically similar to ordinary GFV.

Savino, V., Gallitelli, D., Jankulova, M., and Rana, G.L.(1976). A comparison of four isolates of Artichoke Italian latent virus (AILV). *Phytopathol.Mediter.* **16**, 41-50.

Keywords: 2002/grapevine/artichoke Italian latent virus/symptoms/properties/Italy

Notes: Comparison of an Italian isolate from artichoke and 3 Bulgarian isolates from sowthistle, grapevine and gladiolus. AILV is a typical Nepovirus of the Tomato black ring sub-group.

Savino, V., Russo, M., and Martelli, G.P.(1981). Osservazioni sulla selezione sanitaria e risanamento della vite in Italia meridionale e su alcuni metodi di diagnosi virologica (Observations on sanitary selection of grapevine in southern Italy and some methods of virological diagnosis). *Atti 3° Simposio Internazionale sulla Selezione Clonale della Vite, Venezia* 302-309.

Keywords: 2683/grapevine/sanitary selection/diagnosis/indexing/heat therapy/serology/immunosorbent electron microscopy/ELISA/comparison/Italy

Savino, V., Boscia, D., and Martelli, G.P.(1985). Incidence of some graft-transmissible virus-like disease of grapevine in visually selected and heat-treated stocks from southern Italy. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 204-207.

Keywords: 2679/grapevine/virus-like diseases/visual selection/heat therapy/occurrence/vein necrosis/fleck/leafroll/corky bark/Italy

Notes: In southern Italy, indexing revealed about 70% of infection, leafroll 50%, fleck 46%, corky bark less than 1%. Heat therapy reduced the incidence of these diseases, but did not eliminate them.

Savino, V., Boscia, D., and Milkus, B.N.(1985). A non mechanically transmissible chrome-yellow discolouration of grapevine. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 54-55.

Keywords: 2680/grapevine/chlorosis/virus-like diseases/Ukraine/Italy

Savino, V., Boscia, D., Musci, D., and Martelli, G.P.(1985). Effect of legno riccio (stem pitting) on 'Italia' vines grafted onto rootstocks of different origin. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 68-72.

Keywords: 2681/grapevine/stem pitting/legno riccio/symptoms/performance/economic importance/rootstock/Italy

Savino, V., Cherif, C., and Martelli, G.P.(1985). A natural serological variant of grapevine fanleaf virus. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 29-34.

Keywords: 2682/grapevine/fanleaf virus/strain/ultrastructure/Tunisia/Italy

Schaefer, H. and Brückbauer, H.(1973). Untersuchungen über das Vorkommen phenolischer Inhaltsstoffe in gesunden und viruskranken Reben, sowie deren Abhängigkeit von verschiedenen Faktoren (Research on the occurrence of phenolic substances in healthy and virus-infected grapevines, and on their dependance on various factors). *Weinberg und Keller* **20**, 515-545.

Keywords: 2004/grapevine/virus diseases/virus-like diseases/biochemistry/Germany

Schaefer, H. and Brückbauer, H.(1974). Veränderungen des Eiweisstoffwechsels kranker Rebenblätter unter besonderer Berücksichtigung der Rebvirosen (Changes in protein metabolism of diseased grapevine leaves with special reference to grapevine virus diseases). *Weinberg und Keller* **21**, 305-344.

Keywords: 2005/grapevine/virus diseases/virus-like diseases/biochemistry/protein metabolism/Germany

Scheu, G.(1935). Die Rollkrankheit des Rebstockes.(Leafroll of grapevine). *D.D.Weinbau* **14**, 222-358 (*).

Keywords: grapevine/leafroll/symptoms/occurrence/Germany

Notes: (*) Continued 14:222-223; 345-346; 356-358.

Scheu, G.(1950). *Mein Winzerbuch (My vinegrower book)*., Verlag D. Meininger, Neustadt-Haardt.

Keywords: grapevine/viticulture/handbook/leafroll/general/Germany

Notes: First report on the wide occurrence of leafroll in vineyards and in nurseries.

- Schneiders, E.(1934). *Die Reisigkrankheit der Rebe (Renbenmüdigkeit). (Reisigkrankheit of grapevine).*, University, Bonn.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/trabeculae/symptoms/Germany
Notes: Inaugural Dissertation, Universität Bonn (PH.D. Thesis, University of Bonn).
- Schneiders, E.(1936). Beobachtungen und Untersuchungen über die Reisigkrankheit der Reben (Rebenmüdigkeit). (Observations and experiments on Reisigkrankheit). *Gartenbauwiss.* **10** , 110-150.
Keywords: grapevine/Reisigkrankheit/nepovirus/fanleaf/Germany
- Schneiders, E.(1938). Über die Zellstäbe und ihre phytopathologische Bedeutung. (On trabeculae and their phytopathologic meaning). *Gartenbauwiss.* **11**, 237-250.
Keywords: grapevine/fanleaf/Reisigkrankheit/trabeculae/detection/symptoms/Germany
- Schneiders, E.(1957). Die Zellstab oder Stauchekrankheit unter besonderer Berücksichtigung der Reisigkrankheit der Rebe. (The trabeculae or stunt disease and the Reisigkrankheit of grapevine). *Weinberg u.Keller* **4**, 249-534(*).
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/trabeculae/symptoms/Germany
Notes: (*) Continued vol.4:249-260; 340-348; 398-409; 425-438; 494-498; 527-534 (1957) and vol.5:31-36; 76-85; 131-139; 207-215 (1958).
- Schoeffling, H. and Faas, K.H.(1973). Die Erhaltungszüchtung alter Vitis-vinifera-Sorten in Deutschland (Selection of old Vitis vinifera varieties in Germany). *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 155-164.
Keywords: 2007/grapevine/clonal selection/sanitary selection/Germany
Notes: Clonal selection of grapevines in Germany, clone-breeder, principles of selection and registration.
- Schöffling, H.(1978). Observations of Riesling clone 378 grafted on 4 rootstocks with particular reference to virus symptoms. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 109-116.
Keywords: 2006/grapevine/rootstocks/virus diseases/performance/Germany
Notes: Virus symptoms vary with year, rootstock, and virus seems not to influence productivity between stock.
- Schöffling, H.(1980). First results of a field-trial on the performance of heat- treated and non heat-treated White Riesling clones. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 311-320.
Keywords: 2684/grapevine/heat therapy/virus-tested material/performance/Germany
- Schöffling, H.(1981). Premiers résultats d'un essai de clones de Riesling traités par la chaleur (First results of a field trial with heat treated Riesling clones). *Rev.Suisse Viticult.Arboricult.Hort.* **13**, 331-333.
Keywords: 2685/grapevine/heat therapy/performance/Germany
- Schöffling, H.(1982). Neuorientierung in der Klonenselektion mit Vorschlägen zur Entwicklung virusgetesteter Klone (New orientation in clonal selection with proposals for the development of virus-tested clones). *Dt.Weinbau-Jahrb.* **33**, 33-40.
Keywords: 2686/grapevine/clonal selection/virus-tested material/Germany
- Schöffling, H.(1983). *Richtlinienentwurf zur Viruskontrolle (Guidelines for virus detection).*, Zentralstelle für Klonenselektion, Landes- Lehr- und Versuchsanstalt, D-5500 Trier, Postfach 1570, Egbertstrasse 18/19, BRD.
Keywords: 2687/grapevine/sanitary selection/indexing/certification/Germany

- Schöffling, H., Schenden, G., and Faber, W.(1983). Die systematische Erhaltungszüchtung von Ertragsrebsorten in der BRD. *Weinwirtschaft* **38**, 291-325.
Keywords: 2689/grapevine/clonal selection/sanitary selection/Germany
- Schöffling, H.(1984). *Die Klonenselektion bei Ertragsrebsorten (Clonal selection of grapevine)*., AID (Auswertung- und Informationsdienst für Ernährung, Landwirtschaft u. Forsten, Bonn, BRD).
Keywords: 2688/grapevine/clonal selection/Germany
- Schvester, D., Carle, P., and Moutous, M.(1961). Sur la transmission de la flavescence dorée des vignes par une cicadelle. (On the transmission of flavescence dorée of grapevine by a leafhopper). *C.R.Acad.Agric.Fr.* **47**, 1021-1024.
Keywords: grapevine/flavescence dorée/leafhopper/transmission/vector/France
Notes: See also Progr. agr. vitic. 83(5),126-131, 1961.(Edition Est- Centre).
- Schvester, D.(1962). Perspectives de lutte contre la flavescence dorée par destructions de son vecteur "Scaphoideus littoralis" Ball.(Possibilities of control of flavescence dorée by destroying its vector Scaphoideus littoralis). *Rev.zool.agric.appl.* **61**, 135-144.
Keywords: grapevine/flavescence dorée/Scaphoideus littoralis/vector/control/chemical/insecticide/France
Notes: In French
- Schvester, D.(1962). Sur les causes de la propagation en Armagnac et en Chalosse de la flavescence dorée de la vigne. (On the causes of propagation of grapevine flavescence dorée in Armagnac and Chalosse). *Rev.zool.agric.appl.* **61**, 132-135.
Keywords: grapevine/flavescence dorée/propagation/vector/Scaphoideus littoralis/France
Notes: In French
- Schvester, D., Bonfils, J., Moutous, G., and Carle, P.(1962). Etude biologique des cicadelles de la vigne dans le Sud-Ouest de la France. (Biological study of grapevine leafhoppers in southwestern France). *Ann.Epiphyt.* **13**, 205-237.
Keywords: grapevine/leafhopper/biology/France
Notes: In French
- Schvester, D., Moutous, M., and Carle, P.(1963). "Scaphoideus littoralis" Ball (Homopt. Jassidae) cicadelle vectrice de la Flavescence dorée de la vigne.(Scaphoideus littoralis Ball leafhopper vector of flavescence dorée of grapevine). *Rev.zool.agric.appl.* **61**, 118-131.
Keywords: grapevine/flavescence dorée/transmission/vector/leafhopper/Scaphoideus littoralis/France
- Schvester, D., Carle, P., and Moutous, M.(1963). Sur la transmission de la Flavescence dorée de la vigne par Scaphoideus littoralis. (On the transmission of grapevine flavescence dorée by Scaphoideus littoralis). *C.R.Acad.Agric.Fr.* **63**, 139-144.
Keywords: grapevine/flavescence dorée/Scaphoideus littoralis/leafhopper/vector/transmission/France
- Schvester, D.(1963). Genèse des symptômes et caractères de propagation de la flavescence dorée. (Genesis of symptoms and type of propagation of flavescence dorée). *Ann.Epiphyt.* **14**, 167-174.
Keywords: grapevine/flavescence dorée/symptoms/propagation/France
Notes: In French
- Schvester, D., Carle, P., and Moutous, G.(1963). Tests insecticides de plein champ contre Scaphoideus littoralis, cicadelle vectrice de la flavescence dorée. (Insecticide field tests against Scaphoideus littoralis, leafhopper vector of flavescence dorée). *Phytiatrie-Phytopharm.* **12 (1)**, 51-56.
Keywords: grapevine/flavescence dorée/Scaphoideus littoralis/control/insecticide/France
Notes: In French

- Schvester, D., Carle, P., and Moutous, G.(1963). Transmission de la flavescence dorée de la vigne par *Scaphoideus littoralis* Ball. Expériences de 1961. (Transmission of flavescence dorée of grapevine by *Scaphoideus littoralis* Ball. Experiments of 1961). *Ann.Epiphyt.* **14**, 175-198.
Keywords: grapevine/flavescence dorée/Scaphoideus littoralis/transmission/vector/France
Notes: In French
- Schvester, D.(1964). Die Zikaden und die "Flavescence dorée" der Reben im Südwesten Frankreichs.(Leafhoppers and flavescence dorée of grapevine in southwestern France). *Weinberg u.Keller* **11**, 371-382.
Keywords: grapevine/flavescence dorée/leafhopper/France
Notes: In German
- Schvester, D. and Carle, P.(1964). Nouvelle mise au point sur la lutte contre *Scaphoideus littoralis*, cicadelle vectrice de la flavescence dorée de la vigne. (New restatement concerning the control of *Scaphoideus littoralis*, leafhopper vector of flavescence dorée of grapevine). *Vignes et Vins* **135**, 7-12.
Keywords: grapevine/flavescence dorée/Scaphoideus littoralis/vector/control/France
Notes: In French
- Schvester, D.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis.* (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 107-109.
Keywords: grapevine/flavescence dorée/Scaphoideus littoralis/feeding/transmission/vector/France/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif.,6-10.9.1965.
- Schvester, D., Carle, P., and Moutous, G.(1967). Essais de sensibilité de cépages à la Flavescence dorée par inoculation avec *Scaphoideus littoralis* Ball (Determination of the sensitivity of grape cultivars to flavescence dorée by inoculation with *Scaphoideus littoralis* Ball). *Ann.Epiphyt.* **18 (No hors série *)**, 143-150.
Keywords: grapevine/flavescence dorée/sensitivity/Scaphoideus littoralis/France
Notes: *)Special issue entitled "Etudes de virologie".
- Schvester, D.(1969). Traitements insecticides et guérison des vignes atteintes de Flavescence dorée (Insecticide sprays and recovery of vines affected with flavescence dorée). *Ann.Zool.Ecol.Anim.* **1**, 467-494.
Keywords: grapevine/flavescence dorée/Scaphoideus littoralis/vector/insecticide/control/France
Notes: Very good results obtained with insecticide sprays against *S. littoralis*, vector of FD. DDT and parathion (ethyl- or methyl-) are efficient. Summary of several years of experiments.
- Schvester, D., Carle, P., and Moutous, G.(1969). Nouvelles données sur la transmission de la Flavescence dorée par *Scaphoideus littoralis* Ball (New data on transmission of flavescence dorée by *Scaphoideus littoralis* Ball). *Ann.Zool.Ecol.Anim.* **1**, 445-465.
Keywords: grapevine/flavescence dorée/transmission/leafhopper/vector/Scaphoideus littoralis/France
- Schvester, D.(1972). Cicadelles de la vigne (Grapevine leafhoppers). *OEPP/EPPO Bull.* **1(3)**, 37-42.
Keywords: 2008/grapevine/leafhopper/Scaphoideus littoralis/control/insecticide sprays/France
Notes: Biological cycle of *Empoasca flavescens* F. and *Scaphoideus littoralis* BALL, control of flavescence dorée by chemical control of its vector *S. littoralis*.
- Schvester, D.(1973). Insectes vecteurs de maladies à virus et à mycoplasmes de la vigne (Insect vectors of virus and mycoplasma diseases of grapevine). *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 90-102.
Keywords: 2009/grapevine/virus diseases/virus-like diseases/mycoplasma-like organisms/transmission/insects/vectors/review/France
Notes: Il s'agit d'un résumé des travaux réalisés sur le sujet dans la période qui a précédé la

réunion de l'ICVG à Salice Terme en 1973. L'essentiel concerne le problème des vecteurs de la Flavescence dorée et du Bois noir.

Scognamiglio, A. and Tarjan, A.C.(1967). Trasmissione di virus da parte di Nematodi fitoparassiti con indagini sulla diffusione dei Nematodi vettori nei vigneti dell'Abruzzo, Molise e Marche (Transmission of viruses by phytoparasitic nematodes and research on occurrence on nematodes vectors of viruses in vineyards of Abruzzo, Molise and the Marches). *Riv. Vitic.Enol.* **20(8)**, 351-360(*).

Keywords: grapevine/nepovirus/nematode/transmission/vector/Italy

Notes: (*) Continued 20(9):371-392. 43 references.

Sequeira, O.A.d. and Dias, H.F.(1964). Transmissao do virus do urticado da videira pelo nematodo Xiphinema index Thorne et Allen.(Transmission of the virus of grapevine urticado/fanleaf by the nematode Xiphinema index Thorne et Allen). *Agron.lusit.* **24**, 309-318.

Keywords: grapevine/urticado/fanleaf virus/transmission/nematode/Xiphinema index/Portugal

Notes: In Portuguese, Eng. sum..

Sequeira, O.A.d. and Mendonça, A.d.V.E.(1972). Some abnormalities resembling "legno riccio" {rugose wood} on grapevine in Portugal. *Agronomia Lusit.* **34**, 299-304.

Keywords: 2010/grapevine/legno riccio/stem pitting/occurrence/Portugal

Sequeira, O.A.d., Mendonça, A.d., and Mota, M.(1981). Detection and rapid identification of virus in vegetal tissues by immunosorbent electron microscopy.(In Portuguese, Eng. sum.). *Rev.Port.Bioquim.Apl.* **4**, 117-126.

Keywords: 2690/grapevine/CM 112/Bulgarian latent virus/serology/immunosorbent electron microscopy/detection/Portugal

Severin, H.H.P.(1947). Transmission of virus of Pierce's disease by spittle insects.(Abstr). *Phytopathology* **37**, 364

Keywords: grapevine/Pierce's disease/transmission/vector/froghopper/USA

Severin, H.H.P.(1949). Life history of the blue-green sharpshooter, Neokolla circellata. *Hilgardia* **19**, 187-189.

Keywords: grapevine/Pierce's disease/transmission/vector/sharpshooter/leafhopper/Neokolla circellata/Hordnia circellata/USA/California

Severin, H.H.P.(1949). Transmission of the virus of Pierce's disease of grapevines by leafhoppers. *Hilgardia* **19**, 190-206.

Keywords: grapevine/Pierce's disease/leafhopper/transmission/vector/USA/California

Severin, H.H.P.(1950). Spittle-insect vectors of Pierce's disease virus. II. Life history and virus transmission. *Hilgardia* **19**, 357-382.

Keywords: grapevine/Pierce's disease/transmission/froghopper/vector/USA/California

Sevryukova, M.V. and Sapova, L.I.(1983). Grapevine vein mosaic.(In Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **38(2)**, 32-34.

Keywords: 2691/grapevine/vein mosaic/Moldavia

Shanmuganathan, N. and Fletcher, G.(1980). The incidence of grapevine yellow speckle disease in Australian grapevines and the influence of inoculum source on symptom expression. *Austral.J.Agricult.Res.* **31**, 327-333.

Keywords: 2692/grapevine/yellow

speckle/occurrence/symptoms/indexing/strains/transmission/Victoria/Australia

Notes: Symptoms appear in 38% of the cvs. examined in the field, indexing reveals a further 24% of infection, totalling 62%. Evidence of a spread in the field. Probably several degree of virulence. Attempts to transmit YS through contaminated tools were unsuccessful.

- Shanmuganathan, N. and Fletcher, G.(1980). Indexing grapevine clones in the Fruit Variety Foundation of Australia for virus and virus-like diseases. *Austral.J.Exp.Agricult.Animal.Husb.* **20**, 115-118.
Keywords: 2693/grapevine/indexing/virus diseases/virus-like diseases/Australia
- Shanmuganathan, N. and Fletcher, G.(1982). Enzyme-linked immunosorbent assay to detect fanleaf virus in grapevines grown in containers. *Plant Dis.* **66**, 704-707.
Keywords: 2694/grapevine/fanleaf virus/detection/serology/ELISA/Australia
- Shikata, E., Sano, T., and Uyeda, I.(1984). An infectious low molecular weight RNA was detected in grapevines by molecular hybridization with hop stunt viroid cDNA. *Proc.Japan.Acad.* **60, Ser. B**, 202-205.
Keywords: 2695/grapevine/viroid/hop stunt/Japan
- Shterenberg, P.M., Milkus, B.N., and Berezovskaya, E.(1969). Virus diseases of grapevine in Ukraine (In Russian). *Proc.6th All-Union Conf.on virus diseases of plants,Kiev (USSR)* 212-213.
Keywords: 1422/grapevine/virus diseases/virus-like diseases/Ukraine
- Shterenberg, P.M. and Berezovskaya, E.A.(1971). Symptoms of virus degeneration of grapes on varieties of rootstocks. (In Russian). *Vinodel i Vinogradar SSSR* **31(6)**, 36-38.
Keywords: 2011/grapevine/rootstocks/fanleaf/infectious degeneration/symptoms/USSR
- Shterenberg, P.M., Milkus, B.N., and Berezovskaya, E.A.(1971). Virus diseases of grapevine.(In Russian). *Zashch.Rast.* **16(5)**, 16
Keywords: 2012/grapevine/virus diseases/virus-like diseases/USSR
- Shterenberg, P.M., Milkus, B.N., and Berezovskaya, E.A.(1971). The cultivating of virus-free planting material of grapevine. (In Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **26(8)**, 37-38.
Keywords: 2013/grapevine/virus-free material/performance/Moldavia/USSR
- Shterenberg, P.M., Milkus, B.N., and Berezovskaya, E.A.(1973). Sanitary selection - a necessary condition for high grape productivity. (In Ukrainian). *Zachist.Roslin* **17**, 74-80.
Keywords: 2014/grapevine/sanitary selection/performance/yield/USSR
- Shterenberg, P.M., Milkus, B.N., and Berezovskaya, E.A.(1973). On the composition, distribution and harmfulness of virus diseases of grapevine in Ukraine. *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 23-27.
Keywords: 2015/grapevine/fanleaf/fleck/indexing/serology/USSR
Notes: A discussion of diseases, results of indexing, on *Vitis* spp., herb plants, presence of trabeculae, check for latent viruses, marbrure, etc., serological tests and distribution of diseases.
- Shterenberg, P.M., Milkus, B.N., and Berezovskaya, E.A.(1974). *Virusy i virusnie bolezni rastenii (Viruses and virus diseases of plants)*. (AnonymousNaukova Dumka, Kiev, USSR. 262-265.
Keywords: 2016/grapevine/virus diseases/virus-like diseases/Ukraine
- Shterenberg, P.M., Milkus, B.N., and Berezovskaya, E.A.(1974). Virus diseases of grapevine in Ukraine and steps towards cultivating virus-free planting material. (In Ukrainian). *Vinogradar i Vinorob* **17**, 92-99.
Keywords: 2017/grapevine/virus diseases/virus-like diseases/virus-free material/Ukraine
- Sievers, E.(1958). Zur Mycorrhiza der Reben und ihrem Verhältnis zur Reisigkrankheit. (On mycorrhizae of grapevine and their relation with Reisigkrankheit). *Weinberg u.Keller* **5**, 139-156.
Keywords: grapevine/Reisigkrankheit/mycorrhizae/hypothesis/etiology/Germany
- Sikora, R.A. and Rumbos, I.(1977). The nematode fauna associated with yellows disease of grapevines and the possible role Xiphinema index plays as a vector of rickettsia-like organisms. *Mededel.Fac.Landbouwwetenschap.(Gent)* **42(2)**, 1253-1260.

- Keywords:** 2018/grapevine/yellows/Vergilbungskrankheit/nematodes/Xiphinema index/associated/vector/Germany
- Singh, S.J. and Sastry, K.M.S.(1975). "Little leaf" disease of grapevine from India. *Current Science* **44(1)**, 26-28.
Keywords: 2019/grapevine/virus-like diseases/India
Notes: A suspected mycoplasma disease characterised by little leaf symptoms, transmissible by grafting and budding, but not by sap inoculation. It showed temporary recovery after treatment with oxy-tetracycline.
- Singh, S.J. and Sastry, K.M.S.(1975). Leafroll - a new virus disease of grapevines in India. *Indian J.Mycol.Plant.Pathol.* **5**, 205-206.
Keywords: 2183/grapevine/leafroll/India
- Sisto, D. and Martelli, G.P.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 326-332.
Keywords: grapevine/heat therapy/viruses/virus-like disease/fanleaf/leafroll/legno riccio/rugose wood/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif.,USA.
- Smolak, J.(1950). Virova zloutena a deformace listu na réve vinné. (Yellow mosaic and leaf deformation of grapevines). *Ochr.rostl.* **23**, 70
Keywords: grapevine/yellow mosaic/fanleaf/Czechoslovakia/symptoms
- Staehelin, M., Wurgler, W., and Leyvraz, H.(1950). La dégénérescence infectieuse de la vigne. (Infectious degeneration of grapevine). *Rev.romande agric.* **6**, 43-45.
Keywords: grapevine/infectious degeneration/fanleaf/yellow mosaic/symptoms/Switzerland
- Stegaresku, O.P.(1980). *Nematodes vectors of viruses from the family Longidoridae. Genus Xiphinema. (In Russian).*, Printing House Shtiinst, Kishinev, Moldavia.
Keywords: 2696/grapevine/nematodes/vector/nepoviruses/Longidoridae/Xiphinema/biology/classification/Moldavia
- Stellmach, G. and Bercks, R.(1963). Untersuchungen an Rebenvirosen: Nachweis des Tomatenschwarzringflecken-Virus (tomato blackring virus) in kranken Stocken der Sorte Aramon x Riparia 143 A M.G. (Amerikenerrebe). (Studies on grapevine virus diseases: occurrence of tomato blackring virus in diseased rootstocks of Aramon x Rupestris 143 A M.G.). *Phytopath.Zeitschr.* **48**, 200-202.
Keywords: tomato black ring virus/Germany/rootstock/virus/grapevine/virus diseases/occurrence
- Stellmach, G.(1964). Über den Nachweis von Virus im Kallus virosen Reben. (On the detection of virus in the callus of infected grapevines). *Weinberg u.Keller* **11**, 518-521.
Keywords: grapevine/virus/detection/callus/Germany
- Stellmach, G.(1964). Über die Infektiosität eines Weinbergsbodens. Isolierung des Tomatenschwarzringflecken-Virus mit Hilfe von Köder-Pflanzen. (On the infectivity of a vineyard soil. Isolation of tomato black ring virus from bait plants). *Weinberg u.Keller* **12**, 74-76.
Keywords: grapevine/tomato black ring virus/soil/detection/bait plants/Germany
- Stellmach, G. and Bercks, R.(1965). Fortgeführte Untersuchungen zur Charakterisierung des Tomatenschwarzenringflecken-Virus (tomato blackring virus) in kranken Reben der Sorte Aramon x Riparia 143 A M.G. (Amerikanerrebe).(Further investigations on the characterization of tomato black ring virus in diseased Aramon x Riparia 143 A rootstocks). *Phytopath.Zeitschr.* **53**, 383-

390.

Keywords: grapevine/tomato black ring virus/rootstock/symptoms/Germany

Stellmach, G., Bercks, R., and Weischer, B.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 166-168.

Keywords: grapevine/tomato black ring virus/occurrence/Germany/meeting/ICVG

Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.

Stellmach, G.(1966). Ein Verfahren zur Erfassung unterschiedlicher Viruskonzentration in Reben (A method for determining different concentrations of virus in grapes). *Weinberg u.Keller* **13**, 79-82.

Keywords: grapevine/nepovirus/fanleaf virus/arabis mosaic virus/tomato black ring virus/Germany

Stellmach, G.(1966). Zur Methodik der experimentellen Virusinfektion (Methods for infecting grapevines with viruses). *Weinberg u.Keller* **13**, 561-567.

Keywords: grapevine/infection/methods/viruses/Germany

Stellmach, G. and Heinze, K.(1966). Bericht über die Internationale Konferenz über Virus und Überträger an langlebigen Pflanzen unter besonderer Berücksichtigung der Gattung Vitis (Report on the International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis). *Weinberg u.Keller* **13**, 125-136.

Keywords: grapevine/viruses/virus-like disease/general/meeting/ICVG

Notes: Report on the 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.

Stellmach, G.(1968). Propfversuche zum Nachweis der Rollkrankheit im heimischen Weinbau (Graft experiments for detection of leafroll in local vineyards). *Weinberg u.Keller* **15**, 518-523.

Keywords: grapevine/leafroll/graft transmission/indexing/Germany/meeting/ICVG

Notes: Abstr. 2nd ICVG meeting, Bernkastel-Kuel, 1967. Verif.ICVG

Stellmach, G.(1968). Die experimentelle Zusammenführung verschiedener Viren in Reben (Experimental addition of different viruses in grapevine). *Weinberg u.Keller* **15**, 527-529.

Keywords: grapevine/graft transmission/viruses/symptoms/Germany/meeting/ICVG

Notes: Abstr. 2nd ICVG meeting, Bernkastel-Kues, 1967.

Stellmach, G.(1969). Über eine Beziehung zwischen Adernaufhellungen (vein clearing) an Vitis rupestris var. St. George und dem Gemisch zweier Ringfleck-Viren (On a relationship between vein clearing on Vitis rupestris St. George and a mixed infection with two ringspot viruses). *Weinberg u.Keller* **16**, 653-656.

Keywords: grapevine/fanleaf virus/raspberry ringspot virus/tomato black ring virus/vein clearing/fleck/Vitis rupestris/Germany

Notes: Hypothesis that fleck symptoms are caused by the simultaneous infection by RRV and TBRV.

Stellmach, G.(1969). Der Nachweis saftübertragbarer Viren in alten Rebenblättern (Detection of sap-transmissible viruses in old grapevine leaves). *Wein-Wiss.* **24**, 372-377.

Keywords: grapevine/Reisigkrankheit/viruses/detection/fanleaf virus/arabis mosaic virus/tomato black ring virus/Germany

Stellmach, G.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) Division of Agricultural Sciences, University of California, Berkeley, California, USA. 233-234.

Keywords: 2020/grapevine/arabis mosaic virus/symptoms/geographic distribution/economic importance/Germany

Stellmach, G.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, California, USA. 233-236.

Keywords: 2021/grapevine/tomato black ring virus/symptoms/geographic distribution/economic importance/Germany

Stellmach, G.(1972). Altes und Neues aus Klonenselektion und Erhaltungszüchtung bei Reben. - Überblick über ein mehrtägiges Symposium in Trier/Mosel. *Weinberg und Keller* **19**, 84-104.
Keywords: 2022/grapevine/sanitary selection/virus diseases/virus-like diseases/Germany
Notes: Report on the First International Symposium on Problems of Clonal Selection in Viticulture, Trier (Mosel, West Germany) 31.8.-3.9.1971. Several papers on virological problems are summarized, namely: BRÜCKBAUER, H.: Sanitäre Aspekte der Klonenselektion (p. 92); Erkennung und Nachweis der Rebvirosen (p. 93). - RÜDEL, M.: Die Bedeutung der Rebvirosen für Klonenselektion und Erhaltungszüchtung (p. 92-93). - WEISCHER, B.: Nematoden als Überträger von Rebenvirosen und ihre Bekämpfung (p. 93-94). - BOVEY, R.: Verfahren zur Herstellung von gesundem Pflanzengut (p. 94-95). - Genetical, virological, and economical problems are discussed.

Stellmach, G.(1972). Die infektiöse Rollkrankheit im Hinblick auf Selektion und Erhaltungszüchtung von Rebenklonen. *Dt.Weinbau* **27**, 598
Keywords: 2023/grapevine/leafroll/spread/Germany
Notes: There is no evidence for natural spread of leafroll in Germany. The fact that some rootstock varieties are symptomless carriers of leafroll has led to difficulties in clonal selection. With many varieties in which symptoms are obscure or lacking, only an indexing program will assure disease-free stocks.

Stellmach, G.(1972). Wie ist die Zuverlässigkeit des Indexing zu erhöhen ? (How to improve the efficiency of indexing ?). *Ann.Phytopathol.* **No. hors série**, 79-84.
Keywords: 2024/grapevine/indexing/graft transmission/methods/Germany
Notes: The author proposes to improve the efficiency of indexing by using approach-graft and mist propagation. Indexing and propagation of the healthy material are carried out simultaneously.

Stellmach, G. and Weischer, B.(1972). Fremdartig erkrankte Reben, aus denen ein saftübertragbares Virus isoliert wurde. (A sap transmissible virus isolated from a grapevine with peculiar symptoms). *Ann.Phytopathol.* **No. hors série**, 147-154.
Keywords: 2040/grapevine/virus diseases/mechanical transmission/herbaceous hosts/Germany
Notes: Description of the disease (interveinal chlorosis followed by yellowing and burning, symptoms on FS 4 severe) and associated nematodes given.

Stellmach, G.(1973). Sanitäre Probleme beim Anbau von Rebensorten, die gegenüber bodenbürtigen Viruskrankheiten tolerant sind. *Dt.Weinbau-Jahrb.* **24**, 87-93.
Keywords: 2025/grapevine/nepoviruses/latent/Germany
Notes: A discussion of effects of latent viruses on visual selection and problems that would result from breeding virus tolerant grapevines.

Stellmach, G.(1973). Notes on a modification in the technique for inactivating NEPO- viruses in grapes by heat treatment. *Riv.Patol.Veg.,Ser.IV* **9(Suppl.)**, 165-171.
Keywords: 2026/grapevine/heat therapy/methods/Germany
Notes: Heat treatment of green grape shoots is possible under mist.

Stellmach, G.(1974). Einige aktuelle Aspekte der "Entartung" von Reben. *Dt.Weinbau-Jahrb.* **25**, 45-52.
Keywords: 2027/grapevine/infectious degeneration/Germany
Notes: Degeneration of grapes is a genetical problem but not a virological one. Generally, virus infections may be reversible (by heat treatments) but genetically caused decay of the efficiency not.

Stellmach, G.(1974). Beobachtungen an rollkranken Pfropfreben im Gewächshaus. (Vorläufige Mitteilung). *Weinberg und Keller* **21**, 375-376.
Keywords: 2028/grapevine/leafroll/indexing/methods/Germany

Notes: Indicator grapes grafted on leafroll-infected stocks, inserted in woody planing chips mixed with peat as the growing medium, show the characteristic leaf symptoms within 8 weeks after inoculation.

Stellmach, G.(1974). Höhere Anforderungen an die Vermehrungsbestände. Anmerkung zur geänderten Rebenpflanzgutverordnung. *Dt. Weinbau* **29**, 615-616.

Keywords: 2029/grapevine/clonal selection/sanitary selection/certification/Germany

Notes: Consequences of the new German grape planting material regulations.

Stellmach, G.(1975). Virusbedingte Rebenkrankheiten: Begriffe und Grundsätze. *Dt. Weinbau-Jahrb.* **26**, 131-142.

Keywords: 2030/grapevine/virus diseases/virus-like diseases/general/Germany

Notes: Basic conceptions of grape virus diseases expressed in simple formulations.

Stellmach, G.(1975). Beiträge zur Technologie der Virus-Eliminierung aus Rebenklonen. 1. Kultur und Benutzung krautiger Testpflanzen (*Chenopodium quinoa*) im Freien. *Weinberg und Keller* **22**, 115-121.

Keywords: 2031/grapevine/heat therapy/indexing/mechanical transmission/herbaceous hosts/methods/Germany

Notes: Symptoms of NEPO-virus developed quickly and were distinct in *C. quinoa* grown outdoors in volcanic ash.

Stellmach, G.(1976). Ein Archiv für Fragen und Antworten zur Gesundheitsselektion von Reben. *Dt. Weinbau-Jahrb.* **27**, 57-68.

Keywords: 2032/grapevine/sanitary selection/Germany

Notes: A discussion on the selection and health of grapevines.

Stellmach, G.(1976). Beiträge zur Technologie der Viruseliminierung aus Rebenklonen. 2. Über die Hitzetoleranz kleiner unverholzter Topfreben in vulkanischer Asche. *Weinberg und Keller* **23**, 341-348.

Keywords: 2033/grapevine/heat therapy/methods/Germany

Notes: Very small green grape cuttings rooted and grown in volcanic ashes survived heat treatments of 90 d on 39-41°C without essential losses.

Stellmach, G.(1977). Beiträge zur Technologie der Viruseliminierung aus Rebenklonen. 3. Einfluss hoher Temperaturen auf das Testpflanzenverfahren zum Nachweis saftübertragbarer Rebviren. *Weinberg und Keller* **24**, 195-204.

Keywords: 2034/grapevine/indexing/mechanical transmission/*Chenopodium*/temperature/Germany

Notes: Some effects of 30°C on experimental isolation of virus from "Reisigkrankheit" diseased grapevines. Negative results in tests to *C. quinoa*.

Stellmach, G.(1978). Beiträge zur Technologie der Viruseliminierung aus Rebenklonen. 4. Serologische Virus-Tests an Reben- Stecklingen im Winterhalbjahr. *Weinberg und Keller* **25**, 297-304.

Keywords: 2035/grapevine/nepoviruses/Reisigkrankheit/latex test/serology/detection/methods/Germany

Notes: The serological latex test is sufficiently reliable for detecting fanleaf, arabis mosaic, raspberry ringspot and tomato black ring viruses in grapevine shoots grown in winter in a glasshouse from rooted hardwood cuttings.

Stellmach, G.(1978). Investigations on persistent NEPO-virus infections in grapes. *3rd Internat. Congr. Plant Pathol., Munich (Germany)*. 60 {Abstr.-60 {Abstr.

Keywords: 2036

Notes: Heat treatment of small green shoots or single summer buds rooted under mist. Successful NEPO-virus elimination obtained at temperatures near 30°C

- Stellmach, G.(1978). Inoculation techniques to test the behaviour of new grape varieties after leafroll attack. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 205-207.
Keywords: 2037/grapevine/leafroll/graft transmission/methods/Germany
Notes: Two techniques of transmission by grafting are described.
- Stellmach, G.(1978). Cultivation and heat treatment of small green grape cuttings in an open system. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 333-335.
Keywords: 2038/grapevine/heat therapy/methods/Germany
Notes: Heat treatment of small green cuttings rooted under mist and grown in polyethylene containers in volcanic ash as substrate. Plantlets survived heat treatment of 39-41 degrees C during 90 days.
- Stellmach, G. and Querfurth, G.(1978). Untersuchungen zur Serologie, Pathologie und Thermo- Labilität mehrerer Reben-Isolate des Himbeerringfleck- Virus (Raspberry ringspot virus). *Weinberg und Keller* **25**, 128-136.
Keywords: 2039/grapevine/symptoms/heat therapy/serology/raspberry ringspot virus/Germany
Notes: A virus isolate from Vitis vinifera var. Elbling has been identified as raspberry ringspot virus and compared by agar gel double diffusion and immunoelectrophoresis with other grapevine isolates and with a cherry isolate of this virus. The Vitis hybrid FS 4 is a good indicator. The virus can be easily eliminated by heat treatment.
- Stellmach, G. and Wellmann, E.(1978). Attempts to induce reddening in leafroll infected grape leaves by ultra violet irradiation. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 209-211.
Keywords: 2041/grapevine/leafroll/symptoms/Germany
- Stellmach, G.(1979). Beobachtungen an Mischinfektionen von grapevine fanleaf virus and arabis mosaic virus in Reben (Observations on mixed infections of grapevines with fanleaf virus and arabis mosaic virus). *Weinberg und Keller* **26**, 326-332.
Keywords: 2697/grapevine/fanleaf virus/arabis mosaic virus/infection/Germany
- Stellmach, G.(1979). Untersuchungen über die Auswirkungen einer Virus- Reinfektion von Reben, die durch sanitäre Selektion, insbesondere aber durch Thermo-Therapie von pathogenen Viren befreit worden sind. (Research on the effects of a reinfection of grapevines which had been cured from pathogenic viruses by means of heat therapy). *Jahresbericht 1978 des FDW bei der DLG* 19-20.
Keywords: 2698/grapevine/viruses/infection/heat therapy/Germany
- Stellmach, G.(1979). Methoden des Virusnachweises an Reben (Methods of detection of grapevine viruses). *Geilweilerhof aktuell.Mittlg.BFA.f.Rebenzüchtung* **7**, 9-10.
Keywords: 2699/grapevine/diagnosis/detection/virus diseases/virus-like diseases/Germany
- Stellmach, G.(1979). Virologische und weinbauliche Prüfung eines Riesling-Klons. Einfluss der Jahreswitterung auf die Auswirkungen der Rollkrankheit (Virological and viticultural evaluation of a clone. Influence of weather on the expression of leafroll symptoms). *Weinberg und Keller* **26**, 57-60.
Keywords: 2700/grapevine/leafroll/economic importance/performance/quality/yield/Germany
Notes: Yield and Oechsle grade are reduced by 38 % and 3 degrees respectively in cold years, 27 % and 8 degrees in warm years, when a clone is infected with leafroll virus.
- Stellmach, G.(1980). Untersuchungen über die Auswirkungen einer Virus- Reinfektion von Reben, die durch sanitäre Selektion, insbesondere durch Thermo-Therapie von pathogenen Viren befreit worden sind (Abschlussbericht). (Investigations on the effect of a reinfection of grapevines which had been cured of pathogenic viruses by heat treatment (Final report). *Jahresbericht 1979 des*

FDW bei der DLG 21-22.

Keywords: 2701/grapevine/viruses/infection/symptoms/heat therapy/Germany

Stellmach, G.(1980). A guide for making a systematic selection of virus-tolerant grapevines. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 321-324.

Keywords: 2702/grapevine/clonal selection/variatal sensitivity/resistance/Germany

Stellmach, G.(1980). Moderate heat propagation of grapevines for eliminating graft transmissible disorders. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)*. 325-328.

Keywords: 2703/grapevine/heat therapy/temperature/Germany

Stellmach, G.(1980). Recherches sur les effets d'une réinfection virale de vignes ayant été libérées de virus pathogènes par sélection sanitaire et spécialement par thermothérapie (Investigations on the effects of a reinfection on grapevines that had been cured from pathogenic viruses by heat therapy). *Bull.OIV* **53** , 179-186.

Keywords: 2704/grapevine/viruses/infection/heat therapy/virus-free material/Germany

Stellmach, G.(1980). A guide for systematic virus-tolerance selection in *Vitis vinifera* varieties. *Proc.3rd Intl.Symp.Grape Breeding,Univ.California,Davis* 297-301.

Keywords: 2705/grapevine/clonal selection/variatal sensitivity/resistance/Germany

Stellmach, G.(1980). Propagation of healthy plants from green tips produced on vines infected with NEPO-viruses. *Z.Pflanzenkrankh.Pflanzensch.* **87**, 92-96.

Keywords: 2706/grapevine/heat therapy/arabis mosaic virus/fanleaf virus/raspberry ringspot virus/Germany

Stellmach, G.(1981). Ueberlegungen zu einer systematischen Virustoleranzselektion von Reben (Systematic selection for virus tolerance in grapevines). *Dt.Weinbau-Jahrb.* **32**, 87-95.

Keywords: 2707/grapevine/selection/resistance/variatal sensitivity/Germany

Stellmach, G.(1981). Ueberlegungen zur Erzeugung von virusfreiem Pflanzgut aus virologischer Sicht (Obtaining virus-free planting material, the virological point of view). *Geilweilerhof aktuell.Mittlg.BFA.f.Rebenzüchtung* **9**, 10-12.

Keywords: 2708/grapevine/selection/virus-free material/Germany

Stellmach, G.(1982). Die Verklonung von Triebspitzen schnell gewachsener Reben zur Eliminierung von NEPO-Viren (Cloning shoot tips from rapidly growing grapevines for eliminating nepoviruses). *Z.Pflanzenkrankh.Pflanzensch.* **89**, 662-670.

Keywords: 2709/grapevine/clonal selection/nepoviruses/virus elimination/arabis mosaic virus/raspberry ringspot virus/tomato black ring virus/Germany

Notes: Mother plants are grown at 30 degrees C., and shoot tips are rooted under mist. This is not considered as heat therapy, but as an escape of tips from infection because of quick growth.

Stellmach, G.(1984). Wie harmlos sind die "harmlosen" pfropfübertragbaren Ansteckungen (Infektionen) von Reben ? (How harmless are the "harmless" graft transmissible infections of grapevine). *Dt.Weinbau-Jahrb.* **35**, 129-133.

Keywords: 2710/grapevine/virus-like diseases/economic importance/Germany

Stellmach, G.(1985). ELISA testing of grapevine rootings reared from nepovirus- infected mother plants forced to rapid growth. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 123-124.

Keywords: 2711/grapevine/nepoviruses/serology/detection/ELISA/Germany

Stellmach, G. and Berres, R.(1985). Investigations on mixed infections of nepoviruses in *Vitis* spp. and *Chenopodium quinoa* WILLD. by means of ELISA. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 125-126.

- Keywords:** 2712/grapevine/nepoviruses/fanleaf virus/arabis mosaic virus/tomato black ring virus/serology/ELISA/Germany
- Stellwaag, F.(1938). Von den Abbauerscheinungen der Rebe. (On dieback of grapevine). *D.D.Weinbau* **17**, 565-568.
Keywords: grapevine/Reisigkrankheit/fanleaf/nepovirus/dieback/Germany
- Stellwaag, F.(1953). Stand der Kenntnisse über die Reisigkrankheit der Rebe.(State of knowledge on Reisigkrankheit of grapevine). *Nachrichtenbl.Dt.PflSchutzD.* **5**, 101-105.
Keywords: grapevine/Reisigkrankheit/general/Germany
Notes: Hypothesis that the Reisigkrankheit is not due to viruses.
- Stellwaag, F. and Lusi, E.(1953). Zur Technik der Untersuchungen über die Reisigkrankheit. (Research techniques on Reisigkrankheit). *D.D.Weinbau,Wiss.Beih.* **7**,
Keywords: grapevine/Reisigkrankheit/methods/Germany
- Stellwaag, F.(1953). Wichtiges über die Reisigkrankheit der Rebe. (Important facts on Reisigkrankheit). *Mitt.Klosterneuburg* **3**, 91-94.
Keywords: grapevine/Reisigkrankheit/general/Germany
- Stevenson, J.H. and Monette, P.L.(1983). Delay of onset of leafroll symptom expression in *Vitis vinifera* 'Liemberger' from ribavirin-treated in vitro cultures. *Can.J.Plant.Sci.* **63**, 557-560.
Keywords: 2713/grapevine/leafroll/symptoms/chemotherapy/ribavirin/Canada
- Stobbs, L.W. and Van Schagen, J.G.(1984). Occurrence of tomato black ring virus on grapevine in southern Ontario. *Canadian Plant Disease Survey* **64(1)**, 3-5.
Keywords: 2714/grapevine/tomato black ring virus/occurrence/Ontario/Canada
- Stoner, W.N., Stover, L.H., and Parris, G.K.(1951). Field and laboratory investigations indicate grape degeneraton in Florida is due to Pierce's disease virus infection. *Pl.dis.reptr.* **35**, 341-344.
Keywords: grapevine/Pierce's disease/Florida/USA
- Stoner, W.N.(1953). Leafhopper transmission of a degeneration of grape in Florida and its relation to Pierce's disease. *Phytopathology* **43**, 611-615.
Keywords: grapevine/Pierce's disease/leafhopper/transmission/Florida/USA
- Stoner, W.N.(1958). Field symptoms indicate occurrence of "Alfalfa Dwarf" or "Pierce's Disease" virus in Rhode Island. *Pl.dis.reptr.* **42**, 573-580.
Keywords: grapevine/Pierce's disease/alfalfa dwarf/Rhode Island/USA
- Stoyanov, D.(1964). A contribution to the nematode fauna of the grapevine.(In Bulgarian, Eng. sum.). *Rasht.Zasht.(Plant Protection)* **12{6}**, 16-24.
Keywords: 1423/grapevine/nematodes/Bulgaria
Notes: Noted in root zone of grapevines were: *Xiphinema opisthohysterum* Siddiqi 1961, *X. bulgariensis* n. sp., *Longidorus closelongatus* n. sp., and *L. goodeyi* Hooper, 1961; all are described in detail
- Stoyanov, D.(1974). Two species of *Xiphinema* parasitic on vine in Bulgaria. (In Bulgarian). *Rasht.Zasht.(Plant Protection)* **22(3)**, 35-38.
Keywords: 2042/grapevine/Xiphinema/Xiphinema index/occurrence/Bulgaria
Notes: *Xiphinema* index and *X. turcicum* were found along with some other genera.
- Stoyanov, D. and Kostadinov, A.(1975). Dissémination dans les vignes de notre pays de quelques espèces de nématodes de la famille des Longidoridae. (In Bulgarian). *Lozarstvo i Vinarstvo* **24(4)**, 16-20.

Keywords: 2043/grapevine/Longidoridae/Xiphinema/classification/Bulgaria

Notes: Reports on nematodes found in vineyards: synonymy in Xiphinema discussed.

Stranak, Fr., Blattny, C., and Klecka, A.(1931). Mosaika révy vinné (Predbezné sdelení). (Grapevine mosaic. Preliminary report). *Ochr.rostl.* **11 (3-4)**, 89-98.

Keywords: grapevine/mosaic/symptoms/Czechoslovakia

Notes: Description of Melnik mosaic.

Stubbs, L.(1965). Effects of multiple viruses on host plants, immunity and synergistic reactions.

Proc.Internat.Conf.on virus and vector on perennial hosts,Davis,Calif. 55-71.

Keywords: 1424/grapevine/fanleaf virus/strains/interference/Australia

Notes: Discusses virus-host interactions and mild-strain protection including GFV.

Suba, S.(1977). The role of quarantine inspection in the production of propagation material of grapevine. (In Hungarian). *Növényvédelem* **13(8)**, 311-312.

Keywords: 2044/grapevine/quarantine/certification/virus-tested material/Hungary

Suba, S.(1979). The significance of grapevine virus control (In Hungarian). *Növényvédelem* **15**, 410-411.

Keywords: 2715/grapevine/virus diseases/virus-like diseases/control/Hungary

Sutic, D.(1973). Infectious degeneration and other virus diseases of grapevine. (In Serbo-Cr.).

Jugoslov.Vinogradar i Vinar. **7(7)**, 10-13.

Keywords: 2045/grapevine/infectious degeneration/fanleaf/Yugoslavia

Sutic, D. and Tadijanovic, D.J.(1974). The use of sanitary and varietal selection in the process of the multiplication of grapevine propagation material. (In Serbo-Cr.). *Poljoprivredna* **9**, 244-269.

Keywords: 2047/grapevine/clonal selection/sanitary selection/multiplication/virus-tested material/Yugoslavia

Sutic, D.(1977). Some characteristics of grapevine virus diseases. (In Serbo-Cr.). *Savjetovanje o ekscoriozi i virusnim bolestima vinove loze (Proc.Conf.on Excoriosis and Virus Diseases of Grapevine) Hepok,Mostar (Yugosl.)* 97-105.

Keywords: 2046/grapevine/virus diseases/virus-like diseases/general/Yugoslavia

Tanaka, H., Hisago, M., and Imada, S.(1975). A study on grape virus diseases.

Ann.Phytopathol.Soc.Japan **41(1)**, 98-Abstract

Keywords: 2049/grapevine/virus diseases/Japan

Tanaka, H.(1976). Indexing grapes in Japan for viruses. *Ann.Phytopathol.Soc.Japan* **42(2)**, 192-196.

Keywords: 2048/grapevine/leafroll/corky bark/symptoms/economic importance/Japan

Notes: Concerns leafroll, corky bark and pathogenicity on grape cultivars.

Tanaka, H. and Kugoh, T.(1978). Virus diseases showing leaf mottle resembling fanleaf of grapevine in Japan. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 69-76.

Keywords: 2050/grapevine/fanleaf virus/serology/mechanical transmission/herbaceous hosts/woody indicators/Japan

Notes: Viruses show physiological, morphological and serological relationship to GFV and AMV. Purified virus, mechanically transmitted to etiolated grapevine plants, produced symptoms after 2 months.

Tanne, E. and Nitzany, F.E.(1973). Virus diseases of grapevine in Israel. *Vitis* **12**, 222-225.

Keywords: 2052/grapevine/fanleaf/yellow mosaic/leafroll/flavescence dorée/Xiphinema italiae/vector/fanleaf virus/Israel

Notes: Fanleaf, yellow mosaic, leafroll are widespread in Israel. Flavescence dorée occurs in the North-East of the country. Xiphinema italiae has been found to be a new vector of fanleaf virus.

- Tanne, E. and Spiegel-Roy, P.(1973). Mineral content of healthy and leafroll infected leaves of the grape (cv.Mission). *Riv.Patol. Veg., Ser.IV* **9(3)**, 227-234.
Keywords: 2057/grapevine/leafroll/physiology/comparison/Israel
Notes: K, Ca, P, N levels in leafroll and normal
- Tanne, E., Sela, I., and Harpaz, I.(1974). Transmission of grapevine leafroll virus to herbaceous plants. *Phytopathol.Z.* **80**, 176-180.
Keywords: 2053/grapevine/leafroll/potyvirus/etiology/Israel
- Tanne, E. and Arenstein, Z.(1976). Symptoms and distribution of stem-pitting of grapevines in Israel. *Poljoprivredna znanstvena smotra - Agriculturae Conspectus Scientificus* **39(49)**, 373-375.
Keywords: 2051/grapevine/stem pitting/symptoms/geographic distribution/Israel
- Tanne, E., Sela, I., Harpaz, I., and Spiegel-Roy, P.(1977). Grapevine leafroll virus. The viral identity, the isolation and characterization of the virus particles, and nutritional studies in diseased grapevines. (In Hebrew, Eng. sum.). *Pamphlet No 169, [Agric. Res. Org.](#), Bet Dagan (Israel)* 1-77.
Keywords: 2055/grapevine/leafroll/etiology/potyvirus/associated/purification/properties/Israel
- Tanne, E., Sela, I., Klein, M., and Harpaz, I.(1977). Purification and characterization of a virus associated with the grapevine leafroll disease. *Phytopathology* **67**, 442-447.
Keywords: 2056/grapevine/leafroll/etiology/potyvirus/associated/purification/properties/Israel
Notes: The virus is a flexuous rod; transmissible by sap inoculation to herbaceous plants, measures some 13 x 790 nm and is otherwise characterized.
- Tanne, E., Sela, I., Harpaz, I., and Klein, M.(1978). Further studies of a leafroll-associated virus: Transmission from herbaceous plants, purification and characterization. *Proc.6th meeting ICVG, Cordoba, Monografias INIA No 18, Ministerio de Agricult., Madrid* 213-215.
Keywords: 2054/grapevine/leafroll/associated/potyvirus/Israel
- Tanne, E.(1980). The use of ELISA for the detection of some NEPO viruses in grapevines. *Proc.7th Meeting ICVG, Niagara Falls (Canada Agriculture, Research Branch)* 293-296.
Keywords: 2716/grapevine/serology/detection/ELISA/fanleaf virus/tomato black ring virus/Israel
- Tanne, E.(1983). Grapevine stem-pitting disease in Israel. *Phytoparasitica* **11**, 234-Abstract
Keywords: 2717/grapevine/stem pitting/occurrence/Israel
- Tanne, E.(1984). Serological detection of two viruses associated with leafroll- diseased grapevines. *Phytoparasitica* **12**, 215-Abstract
Keywords: 2718/grapevine/leafroll/potyvirus/closterovirus/serology/detection/ELISA/Israel
- Tanne, E.(1985). Appearance and spread of grapevine yellow mosaic in Israel. *Proc.8th Meeting ICVG, Bari. Phytopathol. Mediter.* **24**, 15-16.
Keywords: 2719/grapevine/yellow mosaic/occurrence/spread/Israel
- Tanne, E.(1985). New data on grapevine leafroll disease and its agent. *Proc.8th Meeting ICVG, Bari. Phytopathol. Mediter.* **24**, 88-90.
Keywords: 2720/grapevine/leafroll/etiology/review/Israel
- Tanne, E. and Givony, L.(1985). Serological detection of two viruses associated with leafroll- diseased grapevines. *Proc.8th Meeting ICVG, Bari. Phytopathol. Mediter.* **24**, 106-109.
Keywords: 2721/grapevine/leafroll/potyvirus/closterovirus/serology/detection/ELISA/Israel
- Taylor, C.E.(1967). The multiplication of *Longidorus elongatus* (De Man) on different host plants with reference to virus transmission. *Ann. Appl. Biol.* **59**, 275-281.
Keywords: grapevine/nematode/vector/Longidorus/Scotland

- Taylor, C.E. and Cadman, C.H.(1969). *Viruses, Vectors and Vegetation*. (Maramorosch, K., Ed.) Academic Press, New York. 55-94.
Keywords: nematode/vector/viruses/general/review
- Taylor, C.E. and Murant, A.F.(1969). Transmission of strains of raspberry ringspot and tomato black ring viruses by *Longidorus elongatus* (De Man). *Ann.Appl.Biol.* **64**, 43-48.
Keywords: raspberry ringspot virus/tomato black ring virus/transmission/*Longidorus*/vector/Scotland
Notes: Does not concern directly transmission to *Vitis*.
- Taylor, C.E. and Robertson, W.M.(1969). The location of raspberry ringspot and tomato black ring viruses in the nematode vector, *Longidorus elongatus* (De Man). *Ann.Appl.Biol.* **64**, 233-237.
Keywords: nematode/vector/*Longidorus*/raspberry ringspot virus/tomato black ring virus/ultrastructure/Scotland
Notes: Electron microscope study of the localization of the virus.
- Taylor, C.E. and Robertson, W.M.(1970). Sites of virus retention in the alimentary tract of the nematode vectors, *Xiphinema diversicaudatum* (MICOL.) and *X. index* (THORNE and ALLEN). *Ann.Appl.Biol.* **66**, 375-380.
Keywords: 2060/grapevine/nepoviruses/transmission/ultrastructure/electron microscopy/fanleaf virus/arabis mosaic virus/*Xiphinema index*/*Xiphinema diversicaudatum*/United Kingdom
Notes: Arabis mosaic and fanleaf viruses are retained as a monolayer of particles adsorbed on to the cuticle lining, the lumina of the odontophore, anterior oesophagus and oesophageal bulb.
- Taylor, C.E.(1971). *Plant parasitic nematodes*. (Vol.2). (Zuckermann, B.M., Mai, W.F., and Rhode, R.A., Eds.) Academic Press, New York and London. 185-211.
Keywords: 2058/grapevine/nematodes/vectors/nepoviruses/United Kingdom
- Taylor, C.E.(1972). Nematode transmission of plant viruses. *PANS* **18**, 269-282.
Keywords: 2059/grapevine/nepoviruses/transmission/nematodes/vectors/general/United Kingdom
- Taylor, C.E. and Robertson, W.M.(1975). *Nematode vectors of plant viruses*. (Lamberti, F., Taylor, C.E., and Seinhorst, J.W., Eds.) Plenum Press, London and New York. 253-275.
Keywords: 2061/grapevine/nepoviruses/transmission/nematodes/ultrastructure/electron microscopy/United Kingdom
- Taylor, R.H.(1962). Grapevine viruses in Victoria. *J.Dept.Agric.Victoria* **7**, 336-342.
Keywords: grapevine/virus diseases/Victoria/Australia/general
- Taylor, R.H. and Hewitt, W.B.(1964). Properties and serological relationships of Australian and Californian soil-borne viruses of the grapevine and arabis mosaic virus. *Austr.J.Agric.Res.* **15**, 571-585.
Keywords: grapevine/soil-borne viruses/nepovirus/fanleaf/arabis mosaic virus/Australia/California/USA
- Taylor, R.H. and Raski, D.J.(1964). On the transmission of grape fanleaf by *Xiphinema index*. *Nematologica* **10**, 489-495.
Keywords: grapevine/fanleaf/*Xiphinema index*/vector/transmission/Australia/California/USA
- Taylor, R.H., Woodham, R.C., and Allan, A.W.(1967). Green grafting: A useful technique for detecting grape viruses. *Austral.J.Exp.Agric.Anil Husb.* **7**, 92-95.
Keywords: grapevine/graft transmission/indexing/method/Australia
- Taylor, R.H.(1970). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) Division of Agricultural Sciences, University of California, Berkeley, California, USA. 230-232.

- Keywords:** 2062/grapevine/veinbanding/fanleaf virus/geographic distribution/symptoms/economic importance/California/USA
- Taylor, R.H. and Woodham, R.C.(1972). Grapevine yellow speckle - a newly recognised graft-transmissible disease of Vitis. *Austral.J.Agricult.Res.* **23**, 447-452.
Keywords: 2064/grapevine/yellow speckle/graft transmission/symptoms/Australia
Notes: Many grapevines which show leaf symptoms similar to those with strains of fanleaf virus or tomato ringspot virus are infected with an unknown causal agent which is graft- transmissible to healthy vines but has not been transmitted by sap inoculation to herbaceous plants.
- Taylor, R.H. and Woodham, R.C.(1972). Indexing grapevines for viruses in Australia. *Ann.Phytopathol.* **No. hors série**, 85-87.
Keywords: 2065/grapevine/indexing/mechanical transmission/graft transmission/herbaceous hosts/woody indicators/fanleaf/leafroll/yellow speckle/Australia
Notes: Discusses methods and vine indicators used to detect fanleaf, leafroll and grapevine yellow speckle.
- Taylor, R.H.(1974). Report on overseas study tour. August 11 - October 21, 1973. *Melbourne Vict.Dept.Agric.* 1-24.
Keywords: 2063/grapevine/viruses/general/Australia
Notes: Comments on overseas research on grapevine viruses, repositories, and clean stock multiplication schemes.
- Taylor, R.H. and Brown, D.J.F.(1980). Specie di Xiphinema associate con la vite (Species of Xiphinema associated with grapevine). *Atti.Giorn.Nematol.Ascoli.Piceno* 41-46.
Keywords: 2722/grapevine/Xiphinema/occurrence/classification/Italy
- Tekinel, N., Dolar, M.S., Nas, Z., Bilgin, N., Salih, H., and Salcan, Y.(1971). A study of infectious degeneration (fanleaf) in vineyards of the Mediterranean region. (In Turkish, Eng. sum.). *Bitki Koruma Bül.* **11(4)**, 225-246.
Keywords: 2066/grapevine/fanleaf/enation/Xiphinema index/Xiphinema americanum/Turkei
Notes: Fanleaf disease on grapevines in the Mediterranean region of Turkey and presence of X. index and X. americanum in vineyards. Enations observed on grapevine in Topçular.
- Teliz, D.(1967). Transmission of tomato ringspot, grape yellow vein, peach yellow bud mosaic, and tobacco ringspot viruses by the nematode Xiphinema americanum Cobb, 1913. *Diss.Abstr.* **Sect. B, 27**, 2958
Keywords: grapevine/virus/nematode/transmission/tomato ringspot virus/yellow vein/peach yellow bud mosaic virus/tobacco ringspot virus/Xiphinema americanum/USA
- Teliz, D. and Goheen, A.C.(1968). Diseases of grapevine in Mexico. *Pl.dis.reptr.* **53**, 372-373.
Keywords: grapevine/virus diseases/occurrence/Mexico
- Teliz, D., Goheen, A.C., and Valle, P.(1980). Occurrence and spread of grape corky bark and stem pitting in Mexico. *Plant.Dis.* **64**, 584-586.
Keywords: 2723/grapevine/corky bark/stem pitting/occurrence/spread/Mexico
- Teliz, D. and Valle, P.(1980). Grape corky bark and stem pitting in Mexico. III. Evaluation of symptoms in 130 cultivars grafted on 17 rootstocks. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 71-78.
Keywords: 2724/grapevine/corky bark/stem pitting/symptoms/Mexico
- Teliz, D., Valle, P., and Goheen, A.C.(1980). Grape corky bark and stem pitting in Mexico. II. Evaluation of symptoms in 17 rootstocks. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 65-70.
Keywords: 2726/grapevine/corky bark/stem pitting/symptoms/rootstock/Mexico

- Teliz, D., Valle, P., Goheen, A.C., and Luevano, S.(1980). Grape corky bark and stem pitting in Mexico. I. Occurrence, natural spread, natural spread, distribution, effect on yield and evaluation of symptoms in 128 grape cultivars. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 51-64.
Keywords: 2728/grapevine/corky bark/stem pitting/occurrence/spread/yield/variatal sensitivity/performance/symptoms/Mexico
- Teliz, D., Valle, P., and Goheen, A.C.(1981). Evaluation of corky bark and stem pitting symptoms in 18 grape rootstocks in Aguascalientes, Mexico. *Phytopathology* **71**, 109-Abstract
Keywords: 2727/grapevine/corky bark/stem pitting/symptoms/Mexico
- Teliz, D. and Valle, P.(1985). Corky bark and 'madera rugosa' of grapevine in Mexico. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediter.* **24**, 208-Abstract
Keywords: 2725/grapevine/corky bark/rugose wood/stem pitting/Mexico
- Terai, Y. and Yano, R.(1979). Detection of leafroll, fleck, corky bark viruses from grapevines (In Japanese). *Ann.Phytopathol.Soc.Japan* **45**, 568-569.
Keywords: 2729/grapevine/leafroll/fleck/corky bark/detection/Japan
- Terai, Y. and Yano, R.(1980). Ajinashika disease of the grapevine cultivar Koshu in Japan. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 15-19.
Keywords: 2730/grapevine/ajinashika disease/leafroll/fleck/etiology/Japan
Notes: Hypothesis that ajinashika disease is due to the combined effect of fleck and leafroll infecting the cv. Koshu.
- Terlidou, M.C.(1964). Occurrence of the nematode *Xiphinema index* in Greece (In Greek). *Geoponika* 116-117.
Keywords: grapevine/*Xiphinema index*/occurrence/Greece
- Terlidou, M.C.(1969). Mechanical transmission of virus from grapevine attacked by "Dégénérescence infectieuse" to *Chenopodium quinoa*. *Vitis* **8**, 19-22.
Keywords: grapevine/fanleaf virus/mechanical inoculation/transmission/*Chenopodium*/Greece
- Terlidou, M.C.(1970). Mechanical transmission of grapevine infectious degeneration on the herbaceous host of the species *Chenopodium quinoa*. *Nea Agrotiki Epitheorisis (New Agricult.Review)* **1(277)**, 6-10.
Keywords: 2067/grapevine/infectious degeneration/fanleaf/fanleaf virus/mechanical transmission/*Chenopodium*/herbaceous hosts/Greece
- Téliz, D., Grogan, R.G., and Lownsberry, B.F.(1966). Transmission of tomato ringspot, peach yellow bud mosaic, and grape yellow vein viruses by *Xiphinema americanum*. *Phytopathology* **56**, 658-663.
Keywords: grapevine/tobacco ringspot virus/peach yellow bud mosaic virus/yellow vein/transmission/vector/*Xiphinema americanum*/USA
- Thanassouloupoulos, C.C. and Mavraganis, S.(1969). Phytopathological problems in Greece. II. Virus diseases of grapevine and infectious degeneration.(In Grek). *Geoponika* **15**, 1182-183(See note).
Keywords: 1425/grapevine/virus diseases/virus-like diseases/fanleaf/*Xiphinema index*/Greece
Notes: On the Ionian Isle Zante infectious degeneration occurs in vineyards to 90% or more. *Xiphinema index* reported but low populations
- Thanassouloupoulos, C.C., Mavraganis, S.G., and Thanassouloupoulos, A.(1974). Studies on fanleaf virus disease of grapevine in the island Zante for six years. (In Greek, Eng. sum.). *Geoponika* **218**, 121-128.
Keywords: 2068/grapevine/fanleaf virus/nematode/transmission/*Xiphinema index*/spread/Greece
Notes: Some work on the soil-borne nature of fanleaf, transmission by *X. index* and spread.

- Thate, R.(1943). Ist die Reisigkrankheit der Rebe durch Boden übertragbar ? (Is Reisigkrankheit of grapevine soil-borne ?). *Zeitschr.f.Pflanzenkrankh.* **53**, 273-283.
Keywords: grapevine/Reisigkrankheit/soil transmission/Germany
- Thomas, W.(1972). "Virus-free" imports must be re-indexed. *Wine Review* **9(4)**, 51-54.
Keywords: 2069/grapevine/virus-free material/indexing/fanleaf/leafroll/Pierce's disease/economic importance/certification/New Zealand
Notes: In several cases, material considered as "virus-free" imported from abroad and reindexed in New Zealand have been found infected. Leafroll caused severe yield reduction (up to 66%) and also reduction in sugar content (30%). The vector of fanleaf, X. index, is not present in New Zealand. Pierce's disease is not present, but a potential vector species belonging to the Aphrophoridae is there. Importance of avoiding import of diseased material.
- Thomas, W.(1976). The impact of virus diseases on quality and yield in the vineyard. *Wine Review* **13(2)** , 17-31.
Keywords: 2070/grapevine/fanleaf/leafroll/enation/occurrence/economic importance/clonal selection/sanitary selection/heat therapy/yield/quality/New Zealand
Notes: Good review of the problem in the conditions of New Zealand.
- Thomson, S.V., Davis, M.J., and Kloefer, J.W.(1978). Alfalfa dwarf: relationships to the bacterium causing Pierce's disease of grapevines and almond leaf scorch disease. *3rd Internat.Congr.Plant Pathol.,Munich (Germany)* 65-Abstract
Keywords: 2071/grapevine/Pierce's disease/etiology/bacterium/USA
- Tobar Jimenez, A. and Peman Medina, C.(1970). Especies de Xiphinema COBB, 1913 {Nematoda: Dorylaimida} y la "degeneración infecciosa" de los viñedos de Jerez. I. Valoración de los niveles de población de nematodos (Species of Xiphinema and infectious degeneration of grapevine in Jerz. I. Evaluation of population levels). *Rev.Iber.Parasit.* **30(1)**, 25-56.
Keywords: 2072/grapevine/infectious degeneration/fanleaf/Xiphinema/Xiphinema index/Spain
Notes: Xiphinema index appears to be associated with fanleaf virus infection. Distribution of X. index and X. mediterraneum in soils.
- Tomasello, D., Matarese Palmieri, R., Lo Giudice, L., and Rosso, R.(1980). Particolari aspetti ultrastrutturali in plastidi di piante sane e virosate di Vitis vinifera L., Citrus aurantium L. e Musa paradisiaca L. (Ultrastructural aspects of plastids of healthy and virus-infected plants of Vitis vinifera L., Citrus aurantium L. and Musa parasitica L.). *Riv.Patol.Veg.,Ser.IV* **16**, 73-81.
Keywords: 2731/grapevine/corky bark/leafroll/ultrastructure/Italy
- Tominic, A.(1961). La dégénérescence infectieuse, obstacle à l'obtention de rendements élevés de la vigne.(In Serbo-Cr.). *Biljna.Zasht.* **5(6)**, 121-123.
Keywords: 1426/grapevine/fanleaf/Yugoslavia
- Tracy, R.K.(1977). *Pierce's disease: Feeding preference of Hordnia circellata (BAKER) for selected grapevine cultivars and treatment of diseased vines with solar heating.*, M.Sc.Diss.,University of California, Davis, California, USA.
Keywords: 2073/grapevine/Pierce's disease/vector/leafhopper/feeding/heat therapy/California/USA
Notes: Hordnia circellata preferred SO 4 and Pinot noir, White Riesling and Rupestris St. George in situations where the cultivars were equally available. Starved insects placed on the 4 CVS. and monitored electrically showed the same feeding behaviour pattern. Solar heating of vines under plastic tents produced remission in Pierce's disease symptoms for almost 2 years but did not cure vines of the disease.
- Triolo, E.(1974). Osservazioni sperimentali su alcune manifestazioni patologiche in viti della CV. "Sangiovese" sottoposte a termoterapia (Observations on some pathological symptoms in grapevines of cv. Sangiovese after heat treatment). *Riv.Ortoflorofrutticoltura Italiana* **58**, 121-127.

- Keywords:** 2074/grapevine/heat therapy/symptoms/Italy
Notes: Observations on some pathological symptoms in "Sangiovese" grapevines after heat treatment. Sap transmission to *C. amaranticolor* and *C. quinoa* and reports a relationship between temperature and severity of symptoms.
- Triolo, E.(1975). La selezione sanitaria della vite da vino in Toscana. *Coltivatore e Giornale Vinicolo Italiano* **121(10)**, 335-336.
Keywords: 2075/grapevine/sanitary selection/Italy
Notes: A report on clonal selection done in Tuscany.
- Triolo, E.(1976). Selezione sanitaria e termoterapia della vite da vino in Toscana. *Ital.Agricola* **113(3)**, 113-125.
Keywords: 2076/graft incompatibility/sanitary selection/heat therapy/Italy
Notes: Record of selection, heat treatment and indexing on indicator grapevines and herbaceous hosts.
- Triolo, E. and Lorenzini, G.(1982). Indagine sulla presenza di "Legno riccio" in Toscana (Investigations on the occurrence of stem pitting-legno riccio in Tuscany). *Atti.Giornata sulla vitivinicoltura,Follonica 1980.Agricoltura Toscana Suppl.(5/6)*, 102-103.
Keywords: 2732/grapevine/legno riccio/stem pitting/Tuscany/Italy
- Triolo, E. and Resta, E.(1985). The responses of the grapevine fleck agent to tetracycline-HCl antibiotic and Dienes'stain. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 197-203.
Keywords: 2733/grapevine/fleck/antibiotics/colour test/Italy
- Tsurkan, I.G. and Noskova, I.T.(1979). Thermotherapy of virus diseases of plants (bibliography). (In Russian). *Trudy Biologo-Pochvennogo Instituta Dal'nevostochnogo Nauchnogo Tsentra* **54(157)**, 128-152.
Keywords: 2736/heat therapy/general/bibliography/USSR
Notes: Bibliography on heat therapy of virus disease of plants in general, including grapevine. 500 references of papers published before 1975.
- Tsurkan, I.G. and Abramenko, N.(1980). Method of heat therapy for grapes infected with virus diseases. (In Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **35(4)**, 56-60.
Keywords: 2735/grapevine/virus diseases/virus-like diseases/heat therapy/Moldavia
- Tsurkan, I.G.(1982). *Selection of resistant varieties of grapevines*. (AnonymousMoldavian Research Institute of Viticulture and Enology, Kishinev, Moldavia. Shtiintsa printing house (147 pp). 99-116.
Keywords: 2734/grapevine/virus elimination/heat therapy/selection/Moldavia
- Tsurkan, I.G. and Bondarchuk, V.V.(1983). *Virus and Mycoplasma-like Diseases of Fruit Trees, Small Fruit and Grapevine in Moldavia*. (Verderevskaya, T.D., Ed.) Moldavian Research Institute of Horticulture, Kishinev, Fructovaja 14, Moldavia (161 pp). 82-89.
Keywords: 2766/grapevine/fleck/occurrence/heat therapy/Moldavia
- Tulajeva, M. and Milkus, B.N.(1979). Amelioration of grapevine cultivars in Ukraine.(In Russian, Eng., Fr., Slovak sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra* 47-51.
Keywords: 2737/grapevine/selection/Ukraine
- Tuskan, R. and Tolín, S.(1984). Properties of grape and soybean isolates of tomato ringspot virus. *Phytopathology* **74**, 808-Abstract
Keywords: 2738/grapevine/tobacco ringspot virus/USA

- Tzeng, H. and Goheen, A.C.(1984). Electron microscopic studies on the corky bark and leafroll virus diseases of grapevines. *Phytopathology* **74**, 1142-Abstract
Keywords: 2739/grapevine/leafroll/corky bark/ultrastructure/electron microscopy/closterovirus-like particles/USA
- Ueno, K., Kinoshita, K., Mitamura, T., Akazawa, K., and Iri, M.(1981). Inactivation of grapevine viruses.(In Japanese, Eng. sum.). *J.Brew.Soc.Japan* **76**, 428-430.
Keywords: 2740/grapevine/viruses/virus elimination/Japan
- Ulrychova, M., Vanek, G., Jokes, M., Klobaska, Z., and Kralik, O.(1975). Association of rickettsialike organisms with infectious necrosis of grapevines and remission of symptoms after penicillin treatment. *Phytopathol.Z.* **82**, 254-265.
Keywords: 2077/grapevine/infectious necrosis/rickettsia-like organisms/associated/Czechoslovakia
- Uyemoto, J.K.(1970). Symptomatically distinct strains of tomato ringspot virus isolated from grape and elderberry. *Phytopathology* **60**, 1838-1841.
Keywords: 2078/grapevine/tobacco ringspot virus/strains/symptoms/herbaceous hosts/New York/USA
Notes: Isolates of TomRSV from *Vitis labrusca*, *V. vinifera* and *Sambucus canadensis* each caused different symptoms on plants in the same host range. Results point out problems of visual identification on symptoms.
- Uyemoto, J.K. and Gilmer, R.M.(1972). Spread of tomato ringspot virus in "Baco Noir" grapevines in New York. *Plant Dis.Reptr.* **56**, 1062-1064.
Keywords: 2087/grapevine/tomato ringspot virus/spread/economic importance/yield/New York/USA
Notes: Provides map (scatter diagram) on spread of virus, effect of virus on yield.
- Uyemoto, J.K.(1973). Grape viruses and virus diseases in New York vineyards. *2nd Internat.Congr.Plant Pathol.,5-12 September,Minneapolis,Minnesota (USA)* 914-Abstract
Keywords: 2079/grapevine/viruses/virus diseases/virus-like diseases/New York/USA
- Uyemoto, J.K.(1973). The current status of grapevine virus diseases. *N.Y.Food and Life Sci.Quart.* **6**, 3-5.
Keywords: 2080/grapevine/tomato ringspot virus/tobacco ringspot virus/New York/USA
Notes: Reports some 5 viruses in vineyards of New York, TRSV and TomRSV most important, and has a table on percent infection in vineyards.
- Uyemoto, J.K.(1974). An association of phloem necrosis and stem pitting symptoms in grapevines infected with tomato ringspot virus. *Phytopathology* **64**, 588-Abstract
Keywords: 2081/grapevine/tobacco ringspot virus/stem pitting/symptoms/New York/USA
- Uyemoto, J.K.(1974). A new disease affecting the grapevine variety DeChaunac. *Proc.Amer.Phytopathol.Soc.* **1**, 146-Abstract
Keywords: 2082/grapevine/yellows/New York/USA
Notes: A disease similar in symptoms to Flavescence dorée is described.
- Uyemoto, J.K. and Welsh, M.F.(1974). Viruses threaten vineyards - nursery certification reduces the threat. *Proc.N.Y.State Hort.Soc.* **119**, 180-184.
Keywords: 2091/grapevine/virus diseases/virus-like diseases/economic importance/certification/control/New York/USA
- Uyemoto, J.K.(1975). A severe outbreak of virus-induced grapevine decline in Cascade grapevines in New York. *Plant Dis.Reptr.* **59**, 98-101.
Keywords: 2083/grapevine/decline/tobacco ringspot virus/tomato ringspot virus/stem grooving/stem pitting/New York/USA

Notes: The incidence of virus induced decline in 4 vineyards of Seibel 13053 is discussed. Symptoms include wood pitting and grooving. Viruses isolated are tobacco and tomato ringspot viruses. TomRSV reported to be seed-borne in grape.

Uyemoto, J.K.(1975). Potential grape losses from soil-borne virus diseases. *Penna.Fruit News Proc.* **54**, 47-48.

Keywords: 2084/nepoviruses/tobacco ringspot virus/tomato ringspot virus/economic importance/New York/USA

Notes: Types of losses from soil-borne viruses and prevention.

Uyemoto, J.K., Goheen, A.C., Luhn, C.F., and Petersen, L.J.(1976). Use of *Chenopodium quinoa* in indexing for grapevine fanleaf virus. *Plant Dis.Reptr.* **60 {6}**, 536-538.

Keywords: 2088/grapevine/fanleaf virus/detection/indexing/herbaceous hosts/mechanical transmission/*Chenopodium*/graft transmission/woody indicators/comparison/New York/USA

Notes: Indexing by mechanical inoculation to *C. quinoa* with juices from newly formed leaves or young white roots of grapevines under controlled conditions are reported to be as accurate as graft- transmission to *V. rupestris* St. George.

Uyemoto, J.K.(1977). Viruses, virus-like disorders and nematodes in the vineyard. *Proc.9th Ann.Penna.Wine Conf.December 1976*

Keywords: 2085/grapevine/virus diseases/virus-like diseases/nematodes/economic importance/New York/USA

Notes: On the status and control of virus and virus-like diseases in New York state.

Uyemoto, J.K., Cummins, J.R., and Abawi, G.S.(1977). Virus and virus-like diseases affecting grapevines in New York vineyards. *Amer.J.Enol.Viticult.* **28**, 131-136.

Keywords: 2086/grapevine/decline/tobacco ringspot virus/tomato ringspot virus/yellows/New York/USA

Notes: 3 major types of diseases affecting grapevines in New York vineyards:1. Virus-induced grapevine decline disease, caused by tomato and tobacco ringspot viruses, which are both transmitted by *Xiphinema americanum*. Symptoms are decline, chlorotic mottling and ringspot on the leaves, short internodes, little or no fruit. Most affected are Baco noir, Cascade, Chelois, DeChaunac, White Riesling, Pinot Chardonnay, Pinot blanc. Aurore seems to be tolerant. Mechanical transmission of purified virus on grapevine produces systemic infection in White Riesling and necrotic lesions in Concord, Aurore and 3309. Necrotic tissue produces symptoms on *C. quinoa* following mechanical inoculation, but adjacent healthy tissue do not. Hypersensitivity reaction. TRSV and TomRSV can infect weeds (*Plantago*). 2. grapevine dead arm disease caused by the fungus *Eutypa armeniacae*. 3. Grapevine leaf curl and berry shrivel disease, whose etiology is not known. The symptoms of the third disease mentioned are somewhat similar to those of Flavescence dorée.

Uyemoto, J.K., Taschenberg, E.F., and Hummer, D.H.(1977). Isolation and identification of a strain of grapevine Bulgarian latent virus in Concord grapevine in New York State. *Plant Dis.Reptr.* **61**, 949-953.

Keywords: 2090/grapevine/Bulgarian latent virus/occurrence/New York/USA

Notes: Given are symptoms, methods of identification and a note on being seed-borne in grape and *C.quinoa* (This virus was later shown to be a strain of Blueberry leaf mottle virus, which is serologically distantly related with GBLV).

Uyemoto, J.K., Martelli, G.P., Woodham, R.C., Goheen, A.C., and Dias, H.F.(1978). *Grapevine (Vitis) virus and virus-like diseases, Set 1, 29 pages (with 100 slides).*, Clemson University, Clemson, SC, USA.

Keywords: 2089/grapevine/virus diseases/virus-like diseases/general/USA

Notes: Description of the main virus and virus-like diseases of grapevine, with a set of colour slides. Methods for virus detection and identification. 86 ref.

- Uyemoto, J.K.(1980). Grapevine virus research in New York State. Historical aspects of program and research developments. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 107-112.
Keywords: 2741/grapevine/virus diseases/virus-like diseases/review/New York/USA
- Valat, C.(1972). Note concernant les travaux de sélection sanitaire conduits par l'association nationale technique pour l'amélioration de la viticulture. *Ann.Phytopathol.* **No. hors série**, 89-94.
Keywords: 2092/grapevine/sanitary selection/France
Notes: A.N.T.A.V. program of producing virus free grapevines and rootstocks by selection, indexing, heat treatment, and laboratory tests; tables list variety, tests and diseases.
- Valat, C.(1973). La sélection de la vigne et l'amélioration du matériel végétal (Selection of grapevine and improvement of planting material). *Vignes et Vins* **220**, 29-33.
Keywords: 2093/grapevine/sanitary selection/France
- Valat, C. and Rives, M.(1973). Information and comments on variations induced by thermotherapy. *Riv.Patol.Veg.,Ser.IV* **9**, 291-293.
Keywords: 2098/grapevine/heat therapy/abnormalities/morphology/France
Notes: A discussion of why young grapevines which have had test- tube heat-treatment may be variously modified and range in transient variations from a juvenile to a mature state.
- Valat, C. and Mur, G.(1976). Thermothérapie du Cardinal rouge (Heat therapy of cv. Cardinal rouge). *Progr.Agric.Vitic.* **93**, 200-202.
Keywords: 2096/grapevine/heat therapy/France
Notes: 2 periods of heat treatment of 3 months at 35°C are sufficient for eliminating leafroll and fleck.
- Valat, C., Grenan, S., and Bonnet, A.(1977). Sélection clonale sanitaire de la vigne. Dépistage des virus. *Progr.Agric.Vitic.* **94**, 457-463.
Keywords: 2095/grapevine/sanitary selection/indexing/France
Notes: Sanitary selection and virus detection.
- Valat, C. and Nespoulous, J.(1977). Anwendungstechnik der Klonenselektion in Frankreich - Organisation der Selektion und der Vermehrung. *Weinberg und Keller* **24**, 115-123.
Keywords: 2097/grapevine/clonal selection/sanitary selection/multiplication/certification/France
Notes: Organization of sanitary and genetic selection in France, propagation of healthy material.
- Valat, C. and Bonnet, A.(1978). Présence du "corky bark" dans le vignoble corse. *Connaiss.Vigne et Vin* **12**, 87-89.
Keywords: 2094/grapevine/corky bark/Corsica/France
Notes: Corky bark has been detected in the variety Nieluccio in Corsica, by indexing on LN 33. This is the first record of this disease in France.
- Valat, C.(1979). Organisation de la sélection clonale en France en vue de la production de plants de vigne sains (Organization of clonal selection in France with a view to producing healthy planting material). *Vignevin* **6(5)**, 11-20.
Keywords: 2742/grapevine/clonal selection/sanitary selection/virus elimination/virus-free material/France
- Valat, C., Grenan, S., Auran, G., and Bonnet, A.(1979). Guérison de quelques maladies à virus de la vigne par thermothérapie de plantules cultivées in vitro (Elimination of some virus diseases by heat therapy of in vitro cultured plantlets). *Vignes et Vins* **(284)**, 19-22.
Keywords: 2748/grapevine/in vitro culture/heat therapy/virus elimination/France
- Valat, C.(1980). La sélection clonale de la vigne et la production de plants certifiés (Clonal selection and production of certified planting material). *Progr.Agric.Vitic.* **97**, 30-31.

- Keywords:** 2743/grapevine/clonal selection/sanitary selection/virus-free material/certification/France
- Valat, C., Grenan, S., and Auran, G.(1981). Thermo-thérapie in vitro. Premières observations sur les aptitudes de quelques variétés de porte-greffes et de Vitis vinifera traitées (In vitro heat therapy. First observations on performances of some treated rootstock and Vitis vinifera varieties). *Vignes et Vins* (298), 17-23.
Keywords: 2747/grapevine/in vitro culture/heat therapy/performance/virus-free material/France
- Valat, C., Grenan, S., and Bonnet, A.(1981). La maladie du bois strié de la Vigne (Stem pitting disease of grapevine). *Progr.Agric.Vitic.* **98**, 151-156.
Keywords: 2749/grapevine/stem pitting/France
- Valat, C. and Grenan, S.(1982). Techniques d'élimination des virus: utilisation et conséquences (Techniques for eliminating viruses: use and consequences). *Ile Colloque International sur la Multiplication de la Vigne, Bordeaux 1982* 26-31.
Keywords: 2744/grapevine/virus elimination/heat therapy/in vitro/Galzy method/abnormalities/France
- Valat, C. and Grenan, S.(1984). Techniques d'élimination des virus: utilisation et conséquences (Techniques for eliminating viruses: use and consequences). *Vititechnique* (769), 6-10.
Keywords: 2745/grapevine/virus elimination/heat therapy/in vitro culture/Galzy method/abnormalities/France
- Valat, C. and Grenan, S.(1984). Mise au point concernant la culture in vitro (Restatement about in vitro culture). *Vititechnique* (81), 7
Keywords: 2746/grapevine/in vitro culture/heat therapy/France
- Valdez, R.B.(1972). Transmission of raspberry ringspot virus by Longidorus caespiticola, L. leptoccephalus and Xiphinema diversicaudatum and of arabis mosaic virus by L.caespiticola and X. diversicaudatum. *Ann.Appl.Biol.* **21**, 229-234.
Keywords: 2099/raspberry ringspot virus/arabis mosaic virus/transmission/nematodes/vectors/Longidorus/Xiphinema/United Kingdom
Notes: Transmission of an English strain of RRV originating from blackberry and of a strain of AMV from strawberry.
- Valenzuela, J.B.(1973). "Hoja en abanico" de la vid. *Invest.Prog.Agricola* **5(1)**, 52
Keywords: 2100/grapevine/fanleaf
Notes: Fanleaf virus disease in grapes.
- Valle, C. and Teliz, D.(1983). Distribucion, incidencia y danos de corteza corchosa en vinedos de Aguascalientes (Distribution, incidence and damage of corky bark in vineyards of Aguascalientes). *Rev.Mexicana Fitopatol.* **2(1)**, 21-26.
Keywords: 2750/grapevine/corky bark/stem pitting/Mexico
- Van Velsen, R.J.(1969). Virus indexing in vines and citrus. *J.Agricult.S.Austral* **72**, 308-310.
Keywords: 1427/grapevine/indexing/Australia
Notes: Lists major virus diseases of grapevines together with indicator plants used for detection
- Van Velsen, R.J. and Niejalke, J.M.(1974). Green budding of grapevines (Vitis vinifera). *Agricult.Record* **1**, 24-25.
Keywords: 2130/grapevine/green grafting/methods/Australia
Notes: A method for indexing grapevines with the indicator cvs. St. George, Mission of LN 33.
- Vanek, G.(1966). The effect of various potassium and phosphor dosages on the symptoms of the grapevine virus necrosis. *Sbornik UVTIZ-Ochrana Rostlin* (4), 283-290.

- Keywords:** grapevine/infectious necrosis/symptoms/nutrition/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G.(1966). The effect of various dosages of nitrogen on the symptoms of the grapevine virus necrosis. *Sbornik UVTIZ-Ochrana Rostlin* **(3)**, 183-192.
Keywords: grapevine/infectious necrosis/nutrition/symptoms/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G.(1966). The effect of various dosages of magnesium, calcium and sulphur on the symptoms of the grapevine virus necrosis. *Sbornik UVTIZ-Ochrana Rostlin* **(4)**, 291-298.
Keywords: grapevine/infectious necrosis/nutrition/symptoms/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G.(1966). Vegetativer Nachweis einer latenter Form infektiöser Nekrosen der Weinrebe (Detection of a latent form of infectious necrosis of grapevine). *Mitt.Klosterneuburg* **3** , 191-199.
Keywords: grapevine/infectious necrosis/detection/Czechoslovakia
Notes: In German, Eng. sum.
- Vanek, G.(1966). The effect of various dosages of iron, boron, zinc, molybden and copper on the symptoms of the grapevine vein necrosis. *Sbornik UVTIZ-Ochrana Rostlin* **3(1)**, 43-52.
Keywords: grapevine/infectious necrosis/nutrition/symptoms/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G.(1967). New occurrence of roncet ("fanleaf") in our vineyards. *Vinohrad* **(9)**, 134-135.
Keywords: grapevine/fanleaf/occurrence/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G. and Bojnansky, V.(1968). Some new virus diseases in our vineyards. *Vinohrad* **(8)**, 160-161.
Keywords: grapevine/virus diseases/virus-like disease/occurrence/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G.(1969). The virus diseases of the grape-vine --the Bratislava mosaic of grapevine; the leaf vein banding; the grapevine yellow vein. *Vinohrad* **7(1)**,
Keywords: grapevine/virus diseases/fanleaf/Czechoslovakia
Notes: In Slovak, Eng.sum.
- Vanek, G.(1969). The virus and physiological diseases of grapevine; the Mélnik mosaic of grapevine. *Vinohrad* **7(2)**,
Keywords: grapevine/virus diseases/fanleaf/occurrence/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G.(1969). Virus diseases of the grape-vine; the roncet disease ("fanleaf"virus). *Vinohrad* **7(3)**,
Keywords: grapevine/virus diseases/fanleaf/occurrence/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G.(1969). The virus and physiological diseases of grapevine -- the grapevine necrosis and leaf roll. *Vinohrad* **7(4)**,
Keywords: grapevine/virus diseases/necrosis/leafroll/occurrence/Czechoslovakia
Notes: In Slovak, Eng. sum.
- Vanek, G.(1970). Mechanical transmission of some grapevine viruses to herbaceous differential hosts.(In Slovak). *Sb.UVTIZ-Ochrana Rostlin* **6**, 135-142.
Keywords: 2101/grapevine/nepoviruses/mechanical transmission/herbaceous hosts/Czechoslovakia

- Vanek, G.(1970). Rugose wood in grapevine. (In Slovak). *Vinohrad* **8**, 171
Keywords: 2102/grapevine/rugose wood/stem pitting/Czechoslovakia
- Vanek, G. and Pozdena, J.(1970). Serological diagnosis of grapevine virus diseases in Czechoslovakia.(In Slovak). *Sb.Ved.Prací 3.celost.Conf.Ochr.Rost.,Praha* **1**, 168-174.
Keywords: 2124/grapevine/virus diseases/serology/detection/diagnosis/Czechoslovakia
- Vanek, G.(1971). Distribution of virus diseases in vineyards in Czechoslovakia. (In Slovak). *Vinohrad* **9**, 166-167.
Keywords: 2103/grapevine/virus diseases/virus-like diseases/Czechoslovakia
- Vanek, G.(1972). *Virus diseases of grapevine in Czechoslovakia. (In Slovak).*, Research Institute of Viticulture and Enology, Matuskova 21, 88615 Bratislava, Czechoslovakia.
Keywords: 2104/grapevine/virus diseases/virus-like diseases/occurrence/geographic distribution/symptoms/economic importance/Czechoslovakia
- Vanek, G.(1972). Geographical distribution of grapevine virus diseases in the Czechoslovak vineyards. (In Slovak, Eng., Russ. sum.). *Pol'nohospodárstvo* **18**, 309-325.
Keywords: 2105/grapevine/virus diseases/virus-like diseases/geographic distribution/Czechoslovakia
- Vanek, G.(1972). Effect of roncet (fanleaf) virus on the quantity and quality of grapevine yield and wine quality. (In Slovak). *Sb.UVTIZ-Ochrana Rostlin* **8**, 47-52.
Keywords: 2106/grapevine/fanleaf/economic importance/yield/quality/Czechoslovakia
- Vanek, G.(1972). The grapevine varieties most infected by virus diseases. (In Slovak). *Vinohrad* **10**, 30-31.
Keywords: 2107/grapevine/virus diseases/virus-like diseases/variatal sensitivity/Czechoslovakia
- Vanek, G.(1972). The harmful effect of grapevine roncet (fanleaf) disease on the grapevine yield. (In Slovak). *Vinohrad* **10**, 179-180.
Keywords: 2108/grapevine/fanleaf/yield/economic importance/Czechoslovakia
- Vanek, G.(1972). New knowledge on virus diseases of grapevine. (In Slovak). *Vinohrad* **10**, 233
Keywords: 2109/grapevine/virus diseases/virus-like diseases/Czechoslovakia
- Vanek, G., Sarospataki, G., and Lehoczky, J.(1972). Recent experimental evidence of transmission of grapevine yellow mosaic virus by the nematode *Xiphinema* index. (In Hungarian). *Szőlő-és Gyümölcsterm.* **7**, 253-260.
Keywords: 2126/grapevine/yellow mosaic/fanleaf virus/transmission/*Xiphinema* index/vector/nematode/Czechoslovakia/Hungary
- Vanek, G.(1973). Therapy of grapevine viruses. (In Slovak). *Final report,Res.Inst.Viticult.Enology,Bratislava*
Keywords: 2110/grapevine/heat therapy/Czechoslovakia
- Vanek, G.(1973). Frequency of grapevine virus diseases on the main grapevine varieties in Czechoslovakia.(In Slovak, Eng., Russ. sum.). *Pol'nohospodárstvo* **19**, 684-692.
Keywords: 2111/grapevine/virus diseases/virus-like diseases/occurrence/Czechoslovakia
- Vanek, G. and Krivanek, V.(1973). *Plant Virology. Proceedings of the 7th Conference of the Czechoslovak Plant Virologists, High Tatras 1971.* (Bojnansky, V., Ed.) Slovak Academy of Sciences, Bratislava, Czechoslovakia. 471-477.
Keywords: 2123/grapevine/virus diseases/symptoms/Czechoslovakia

- Vanek, G., Sastinsky, J., and Mikusova, A.(1973). Testing grapevine clones on virus diseases. (In Slovak). *Vinohrad* **11**, 154-155.
Keywords: 2127/grapevine/indexing/virus diseases/Czechoslovakia
- Vanek, G.(1974). Biological diagnosis of virus diseases and determination of virus properties. Grapevine indicators. (In Slovak). *Final report, Res.Inst. Viticult.Enology, Bratislava*
Keywords: 2112/grapevine/indexing/mechanical transmission/herbaceous hosts/graft incompatibility/woody indicators/methods/Czechoslovakia
- Vanek, G.(1974). The wood grooving virus and dieback of grapevines. (In Slovak). *Vinohrad* **12**, 86-87.
Keywords: 2113/grapevine/stem pitting/stem grooving/rugose wood/symptoms/occurrence/Czechoslovakia
- Vanek, G.(1974). Therapy of virus-infected grapevine by high temperature. (In Slovak). *Vinohrad* **12**, 121-122.
Keywords: 2114/grapevine/heat therapy/Czechoslovakia
- Vanek, G.(1974). The occurrence of nematode vectors of virus diseases in our vineyards.(In Slovak). *Vinohrad* **12**, 135-136.
Keywords: 2115/grapevine/nematodes/vectors/nepoviruses/occurrence/Czechoslovakia
- Vanek, G.(1974). Causes of double forks on grapevine offshoots. (In Slovak). *Vinohrad* **12**, 240-241.
Keywords: 2116/grapevine/fanleaf/symptoms/Czechoslovakia
- Vanek, G.(1975). Differentiation of genetically fixed and virus-induced biological and economical properties of selected grapevines. (In Slovak). *Final report, Res.Inst. Viticult.Enology, Bratislava*
Keywords: 2117/grapevine/clonal selection/sanitary selection/economic importance/performance/Czechoslovakia
- Vanek, G.(1975). Vectors of grapevine virus diseases. (In Slovak). *Final report, Res.Inst. Viticult.Enology, Bratislava*
Keywords: 2118/grapevine/nepoviruses/nematodes/vectors/Czechoslovakia
- Vanek, G. and Pozdena, J.(1975). Rugosité du bois - nouvelle maladie à virus de la vigne en Tchécoslovaquie (Rugose wood - a new virus disease of grapevine in Czechoslovakia).(In French, Russ. Slovak sum.). *Progrès de la recherche viti-vinicole, Veda, Maison d'édition de l'Académie slovaque des sciences (Bratislava)* **7**, 133-142.
Keywords: 2125/grapevine/stem pitting/rugose wood/occurrence/symptoms/Czechoslovakia
Notes: Wood pitting of grapevine recorded in Czechoslovakia in 1970. Symptoms appear on the rootstock or on the scion.
- Vanek, G.(1976). Virus diseases and the possibility of their therapy in vineyards. (In Slovak). *Proc.Conf.for Scientific Development in Viticulture, Stary Smokovec, Czechoslovakia*
Keywords: 2119/grapevine/heat therapy/Czechoslovakia
- Vanek, G.(1976). Thermotherapy of grapevine in Czechoslovakia. (In Slovak). *Publications of the Res.Inst. Viticult.Enology, Bratislava*
Keywords: 2120/grapevine/heat therapy/Czechoslovakia
- Vanek, G. and Ulrychova, M.(1976). Some similarities between grapevine infectious necrosis and hop curl disease in which rickettsialike structure were found. *Proc.8th Conf.Czechoslovak Plant Virologists, Bratislava, 1975*
Keywords: 2128/grapevine/infectious necrosis/rickettsia-like organisms/etiology/Czechoslovakia

- Vanek, G.(1977). Studies on control methods for virus and rickettsia diseases. (In Russian). *Tag.Ber.Akad.Landw.Wiss.DDR,Berlin*. **152**, 107-110.
Keywords: 2121/virus diseases/plants/rickettsia-like organisms/control/Czechoslovakia
- Vanek, G.(1977). Prospects of producing high quality virus-free material for grapevine multiplication. (In Slovak). *Vinohrad* **15**, 103-104.
Keywords: 2122/grapevine/virus-free material/performance/economic importance/yield/quality/Czechoslovakia
- Vanek, G. and Vanekova, Z.(1977). *Ochrana vinica (Grapevine protection)*.(In Slovak)., Priroda, Bratislava, Czechoslovakia.
Keywords: 2129/grapevine/virus diseases/virus-like diseases/general/handbook/Czechoslovakia
Notes: 55 pages of this book are devoted to diseases of grapevine caused by viruses, mycoplasma and rickettsia. The text is illustrated by black-white photographs and colour paintings, and by schematic drawings and tables. The book is intended mainly for viticulturists.
- Vanek, G.(1979). Problems of technology of large-scale viticultural production with virus-free grapevines (In Russian, Eng., Fr., Slovak sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra* 147-154.
Keywords: 2751/grapevine/virus elimination/virus-free material/performance/Czechoslovakia
- Vanek, G.(1980). Study of the nutrition as a factor affecting the symptoms of grapevine virus diseases (In Slovak). *Proc.8th Conf.on Plant Protection,Prague* 143-144.
Keywords: 2752/grapevine/virus diseases/virus-like diseases/symptoms/nutrition/Czechoslovakia
- Vanek, G., Krivanek, V., and Mikusova, A.(1980). The economic value of virus-free grapevine clones (In Slovak). *Vinohrad* **18**, 14-15.
Keywords: 2758/grapevine/virus-free material/performance/economic importance/Czechoslovakia
- Vanek, G., Mikusova, A., Krivanek, V., and Bojnansky, V.(1980). Production values of virus-free grapevine clones (In Slovak, Eng., Germ., Russ. sum.). *Sb.UVTIZ-Ochrana Rostlin* **16**, 89-95.
Keywords: 2761/grapevine/virus-free material/performance/Czechoslovakia
- Vanek, G.(1981). Nutrition as a factor influencing the manifestations of viroses in grapevine (*Vitis* sp.) (Nutrition as a factor influencing the manifestation of viroses in grapevines (*Vitis* sp.)). *Sb.UVTIZ-Ochrana Rostlin* **17(2)**, 83-88.
Keywords: 2753/grapevine/fanleaf/leafroll/symptoms/nutrition/mineral deficiency/Czechoslovakia
- Vanek, G., Mikusova, A., and Krivanek, V.(1981). *Plant Virology.Proceedings of the 9th Conference of the Czechoslovak Plant Virologists, Brno, 1981*. (Polak, J., Brck, J., Chod, J., and Polak, Z., Eds.) USTAV Exp.Bot.CSAV, Prague, Czechoslovakia. 193-196.
Keywords: 2760/grapevine/virus diseases/heat therapy/leafroll/virus-free material/performance/Czechoslovakia
- Vanek, G., Mikusova, A., Pozdena, J., and Filigarova, M.(1982). Occurrence of lucerne mosaic virus in grapevine. (In Slovak). *Vinohrad* **20**, 82-83.
Keywords: 2762/grapevine/alfalfa mosaic virus/occurrence/Czechoslovakia
- Vanek, G.(1983). Causes of grapevine dieback in our vineyards and possibilities of protection.(In Slovak). *Vinohrad* **21**, 27-28.
Keywords: 2754/grapevine/dieback/control/Czechoslovakia
- Vanek, G.(1983). Present state of health improvement of grapevine concerning virus diseases (In Slovak). *Vinohrad* **21**, 99-101.
Keywords: 2755/grapevine/selection/virus diseases/virus-like diseases/Czechoslovakia

- Vanek, G.(1983). Recovery programme of grapevine from virus diseases, present state and perspectives (In Slovak). *Proc.Conf.on Biological Ways of Increasing Grapevine Yields,Strebské Pleso* 85-90.
Keywords: 2756/grapevine/selection/virus diseases/virus-like diseases/Czechoslovakia
- Vanek, G., Krivanek, V., and Mikusova, A.(1984). Possibilities of recovery of vineyards from virus diseases. (In Slovak). *Zb.Pokroky vo vinohradnickom a vinarskom vyskume.Priroda,Bratislava* 167-183.
Keywords: 2759/grapevine/virus diseases/virus-like diseases/selection/Czechoslovakia
- Varennnes, A.D. and Sequeira, O.A.d.(1981). The ELISA technique for detecting plant viruses. Its application to the culture of grapevine (*Vitis vinifera* L.) and hop (*Humulus lupulus* L.). (In Portuguese). *Primo Congresso de Fitiatria e Fitofarmacologia* **2**, 305-311.
Keywords: 2763/grapevine/viruses/detection/serology/ELISA/Portugal
- Varennnes, A.D. and Sequeira, O.A.d.(1982). Detection of CM 112 latent grapevine virus by enzyme-linked immunosorbent assay {ELISA}. Evaluation of short reaction times and re-use of y-globulin and conjugate. (In Portuguese). *Agronomia Lusit.* **41**, 269-277.
Keywords: 2764/grapevine/CM 112/Bulgarian latent virus/serology/detection/ELISA/Portugal
- Vega, E.(1978). Replantation des vignobles et désinfection du sol en Argentine (Replanting vineyards and soil disinfection in Argentina). *Bull.OIV* **51**, 250-262.
Keywords: 2131/grapevine/nepoviruses/soil disinfection/replanting/nematodes/Xiphinema index/Argentina
- Vega, J. and Alcalde, A.J.(1955). La "degeneracion infecciosa" de la vid en Mendoza. (The infectious degeneration of grapevine in Mendoza). *IDIA,Buenos Aires* (**85**), 2-16.
Keywords: grapevine/infectious degeneration/fanleaf/Mendoza
- Verderevskaja, T.D., Marinesku, V.G., and Semtschik, E.(1983). Aetiologie und Diagnose der Marmorierung der Weinrebe. *Arch.Phytopathol.Pflanzensch.* **19**, 221-226.
Keywords: 2767/grapevine/fleck/etiology/isometric particles/phloem/Moldavia
- Verderevskaya, T.D. and Marinesku, V.G.(1972). Methods of obtaining virus-free grapevines. (in Russian). *Sadovod.Vinogradar.i Vinodel.Moldavii (Horticulture,viticulture and enology of Moldavia)* **27**, 38-42.
Keywords: 2132/grapevine/sanitary selection/methods/Moldavia
- Veres, A.(1979). Grapevine virus diseases in Czechoslovakia (In Russian, Eng., Fr., Slovak sum.). *Proc.1st Conf.Grapevine Recovery and Innovation of Vineyards with Virus-free Material,Modra* 31-38.
Keywords: 2768/grapevine/virus diseases/virus-like diseases/Czechoslovakia
- Vetten, H.(1981). Indexing of nepoviruses on *Chenopodium quinoa* after elimination of virus inhibitors in grape leaf extracts. *Z.Pflanzenkrankh.Pflanzensch.* **88**, 99-110.
Keywords: 2769/grapevine/nepovirus/indexing/mechanical transmission/herbaceous hosts/*Chenopodium*/Germany
- Vetten, H.J. and Nienhaus, F.(1976). Probleme des Virusnachweises aus Reben (Virus detection in grapevines). *Mededel.Fac.Landbouwwetenschap.(Gent)* **41**, 755-764.
Keywords: 2134/grapevine/virus diseases/virus-like diseases/detection/Germany
Notes: Inhibitors in test plants which interfere with the indexing for grapevine viruses were isolated by chromatography and identified as flavonoids. Methods to remove inhibitors from extracts were exclusion chromatography by Sephadex gel and Controlled Pore Glass, and the application of different chemicals for extraction.

- Vetten, H.J.(1977). Virushemmende Prinzipien in der Rebe (*Vitis vinifera* L.) und Versuche zu deren Ausschaltung bei der mechanischen Uebertragung von Rebenviren (Inhibitory substances in grapevine and attempts to eliminate them prior to mechanical transmission of grapevine viruses). *Diss.Univ.Bonn* 1-131.
Keywords: 2133/grapevine/viruses/inhibitor/inoculation/mechanical transmission/Germany
Notes: Author identifies inhibitors in grape that interfere with sap inoculation as flavon glucosides and flavolanes. Phenolic compounds inhibit early stages of infection, but primarily they induce aggregations of virus particles. Action of nicotine reduces action of phenols. Improvements in mechanical sap inoculation are discussed.
- Vetten, H.J. and Stellmach, G.(1978). Neue Versuche zur Uebertragung von NEPO-Viren auf Reben durch mechanische Inokulation (New attempts to transmit nepoviruses to grapevine by mechanical inoculation). *Wein-Wiss.* **33**, 179-187.
Keywords: 2135/grapevine/nepoviruses/transmission/herbaceous hosts/mechanical transmission/methods/Germany
Notes: No improvement in the mechanical transmission of purified Nepoviruses to grapevine has been obtained.
- Viala, P. and Marsais, P.(1934). La biologie du *Pumilus medullae* cause du court-noué parasite de la vigne. (The biology of *Pumilus medullae*, cause of the parasitic court-noué of grapevine). *C.R.Acad.Agric.Fr.* **20**, 65
Keywords: grapevine/*Pumilus medullae*/court-noué/etiology/France
- Vidal, J.P.(1953). Fasciations et doubles-noeuds sur les sarments des cépages indigènes du Rif sont-ils des symptômes de dégénérescence infectieuse ? (Are fasciations and double-nodes on shoots of indigenous grapevine cultivar in the Rif symptoms of infectious degeneration?). *Progr.Agric.Vitic.* **1**, 154-159.
Keywords: grapevine/fanleaf/symptoms/double nodes/fasciations/Rif/Marocco
- Vidano, C.(1959). Le Cicaline italiane della vite. (The Italian grapevine leafhoppers). *Boll.Zoll.Agr.Bachic.* **1, S.III**, 61-115.
Keywords: leafhopper/grapevine/Italy
- Vidano, C.(1959). Possibili rapporti fra Emitteri Tiflocibidi e degenerazione infettiva della vite. (Possible relationships between typhlocybid leafhoppers and infectious degeneration of grapevine). *Not.Mal.Piante* **47-48 (N.S.26-27)**, 219-226.
Keywords: grapevine/infectious degeneration/fanleaf/leafhopper/typhlocybid/vector/hypothesis/Italy
- Vidano, C.(1962). Esiste in Europa la virosi della vite detta "Pierce's disease"? (Does Pierce's disease exist in Europe ?). *Atti Accad.Sci.Torino* **97**, 289-324.
Keywords: grapevine/Pierce's disease/occurrence/Europe/Italy
Notes: In Italian
- Vidano, C.(1964). Scoperta in Italia dello *Scaphoideus littoralis* Ball., cicalina americana collegata alla "Flavescence dorée" della vite. (Discovery in Italy of *Scaphoideus littoralis* Ball., an American leafhopper associated with the Flavescence dorée of grapevine). *Italia Agricola* **101**, 1031-1049.
Keywords: grapevine/*Scaphoideus littoralis*/occurrence/Italy
- Vidano, C.(1965). *Proceedings International Conference on Virus and Vector onm Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 73-80.
Keywords: grapevine/virus/vector/symptoms/leafhopper/frog hopper/feeding/Italy/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif.,6-10.9.1965.

- Vidano, C.(1966). Scoperta della ecologia ampelophila del cicadellide *Scaphoideus littoralis* Ball nella regione neartica originaria (On the ecology of the leafhopper *Scaphoideus littoralis* Ball in its nearctic region of origin). *Ann.Fac.Sci.Agr.Univ.Studi,Torino*. **3**, 297-302.
Keywords: grapevine/flavescence dorée/vector/*Scaphoideus littoralis*/biology/North America/Italy
- Vindimian, M.E. and Roncador, I.(1979). Le malattie della vite da virus, micoplasmi e rickettsie (Virus diseases of grapevine, mycoplasma and rickettsia). *Esperienze e Ricerche,Sta.Sper.Agrar.Forest.di S.Michele all'Adige* 93-136.
Keywords: 2770/grapevine/virus diseases/virus-like diseases/mycoplasma-like organisms/rickettsia-like organisms/review/Italy
- Von Der Brelie, D. and Nienhaus, F.(1978). Simple methods for early detection of grapevine leafroll disease. *Z.Pflanzenkrankh.Pflanzensch.* **85**, 745-747.
Keywords: 2136/grapevine/leafroll/detection/colour test/Germany
Notes: Staining flavan derivatives in tissues and extracts of grapevine leaves with p-di-methylaminocinnamaldehyde (DMACA) allows the differentiation between healthy and leafroll-diseased vines before symptom development.
- Von Der Brelie, D.(1980). *Histologische, cytologische und biochemische Untersuchungen über die infektiöse Blattrollkrankheit der Rebe (Vitis vinifera L.). (Histological, cotological and biochemical study of grapevine leafroll).*, PhD Thesis, Friedrich-Wilhelm-Universität, Bonn, Germany.
Keywords: 2771/grapevine/leafroll/histology/cytology/biochemistry/Germany
- Von Der Brelie, D. and Nienhaus, F.(1982). Histological and cytological studies on the infectious leafroll disease of the grapevine. *Z.Pflanzenkrankh.Pflanzensch.* **89**, 508-517.
Keywords: 2772/grapevine/leafroll/histology/cytology/Germany
- Von Der Brelie, D. and Nienhaus, F.(1982). Investigations on the etiology of grapevine leafroll disease. *Z.Pflanzenkrankh.Pflanzensch.* **89**, 682-684.
Keywords: 2773/grapevine/leafroll/etiology/closterovirus-like particles/Germany
- Vovlas, N., Inserra, R., and Lamberti, F.(1975). Risanamento di piantoni di Arancio amaro, Olivo e Vite infestati da nematodi. *Atti Giorn.Fitopatol.*
Keywords: 2137/grapevine/nematodes/Xiphinema index/control/Italy
Notes: Sanitation of citrus, olive and grapevine stocks infested by plant parasitic nematodes. Results of control trials of *Xiphinema index* on grapevine rootstocks are reported.
- Vovlas, N. and Savino, V.(1976). Il virus dell'arricciamento della vite associato ad una reticolatura fogliare gialla della cv. Corinthiaki in Grecia (Fanleaf virus associated with a veinbanding symptom of cv. Corinthiaki in Greece). *Phytopathol.Mediterr.* **15**, 132-134.
Keywords: 2138/grapevine/veinbanding/fanleaf virus/Greece
Notes: An isolate of grapevine fanleaf virus serologically like common isolates was recovered from cv. Corinthiaki from Greece. The vines displayed a very striking yellow netting of the leaf veins, little leaf malformation and no apparent reduction of the yield.
- Vrdoljak, M. and Wrischer, M.(1972). Ultrastructural changes in plants infected by grapevine fanleaf virus. (In Croatian, Eng. sum.). *Mikrobiologija* **9**, 197-200.
Keywords: 1999/grapevine/virus-like diseases/symptoms/serology/tobacco ringspot virus/Yugoslavia
- Vrdoljak, M.(1973). Preliminary report on a virus isolate from grapevine. *Riv.Patol.Veg.,Ser.IV* **9(3)**, 263-265.
Keywords: 1998/grapevine/tomato ringspot virus/serology/occurrence/Yugoslavia
Notes: Symptoms, transmission to indicator plants, and serological comparisons are given. Virus reaction to tomato ringspot virus antisera preliminary, and not confirmed.

- Vrdoljak, M. and Wrischer, M.(1975). Fine structure changes in different host plants induced by grapevine fanleaf virus. *Phytopathol.Z.* **84**, 97-104.
Keywords: 2000/grapevine/fanleaf virus/ultrastructure/electron microscopy/host plants/Yugoslavia
Notes: Cytopathological changes induced by GFV in locally and systemically infected leaves of *Nicotiana clevelandii* and *Petunia hybrida* are reported.
- Vrdoljak, M. and Saric, A.(1981). Electrophoretic investigation of some grapevine fanleaf virus isolates. *Acta Bot.Croatica* **40**, 51-51.
Keywords: 2774/grapevine/fanleaf virus/strains/electrophoresis/Yugoslavia
- Vuittenez, A.(1952). Transmission par double greffage d'une panachure infectieuse de la vigne. (Transmission of an infectious "panachure" of grapevine by double grafting). *C.R.Acad.Sci.,Paris* **234**, 1084-1086.
Keywords: grapevine/yellow mosaic/graft transmission/France
- Vuittenez, A.(1952). Sur la présence de cordons endovasculaires chez les vignes atteintes de panachure et leur apparition dans des boutures inoculées par greffage. (Presence of trabeculae in grapevines with panachure/yellow mosaic, and their development in cuttings inoculated by grafting). *C.R.Acad.Sci.,Paris* **234**, 1205-1207.
Keywords: grapevine/yellow mosaic/trabeculae/graft transmission/France
- Vuittenez, A.(1954). Observations sur le diagnostic anatomique de la dégénérescence infectieuse. (Observations on the anatomical diagnosis of infectious degeneration). *C.R.Acad.Agric.Fr.* **40**, 146-150.
Keywords: grapevine/fanleaf/diagnosis/trabeculae/France
- Vuittenez, A.(1956). Variation des symptômes de la dégénérescence infectieuse de la vigne. Interprétation d'expériences de transmission de la maladie par greffage. (Variation of symptoms of infectious degeneration. Interpretation of experiments of transmission of the disease by grafting). *C.R.Acad.Sci.,Paris* **243**, 516-517.
Keywords: grapevine/infectious degeneration/fanleaf/diagnosis/methods/France
- Vuittenez, A.(1957). Lutte préventive contre le court-noué de la vigne par désinfection chimique du sol avant plantation. (Preventive control of grapevine fanleaf by soil chemical disinfection before planting). *C.R.Acad.Agric.Fr.* **43**, 185
Keywords: grapevine/fanleaf/court-noué/soil disinfection/France
- Vuittenez, A.(1958). Activité comparée des fumigants, des insecticides et de divers produits appliqués en traitement du sol sur les contaminations par la dégénérescence infectieuse de la vigne.(Comparative activity of fumigants, insecticides and various products, applied as soil treatments, on the contamination by infectious degeneration of grapevine). *C.R.Acad.Agric.Fr.* **44**, 901-907.
Keywords: grapevine/dégénérescence infectieuse/fanleaf/control/soil treatment/France
- Vuittenez, A.(1958). Transmission par greffage d'une virose du type "Enroulement foliaire" commune dans les vignobles de l'Est et du Centre-Est de la France.(Graft transmission of a virus disease of the type leafroll, common in eastern and east-central France). *C.R.Acad.Agric.Fr.* **44**, 313-316.
Keywords: grapevine/enroulement/leafroll/graft transmission/France
- Vuittenez, A.(1959). Etude sur l'inactivation de divers virus phytopathogènes en présence de tissus de vigne, et tentatives de transmission des virus de la "dégénérescence infectieuse" à des plantes-tests herbacées. (Study on the inactivation of some phytopathogenic viruses in the presence of grapevine tissues, and attempts to transmit viruses of the infectious degeneration to herbaceous test-plants). *C.R.Acad.Agric.Fr.* **45**, 123-130.

Keywords: grapevine/inactivation/viruses/mechanical transmission/fanleaf/dégénérescence infectieuse/infectious degeneration/France

Vuittenez, A.(1960). Nouvelles observations sur l'activité des traitements chimiques du sol pour l'éradication des virus de la dégénérescence infectieuse. (New observations on the activity of soil treatments for eradicating the viruses of infectious degeneration). *C.R.Acad.Agric.Fr.* **46**, 89-96.

Keywords: grapevine/infectious degeneration/control/soil treatment/fumigation/France

Vuittenez, A.(1960). Mise en évidence chez les vignes atteintes de dégénérescence infectieuse d'un virus transmissible mécaniquement aux Chénopodes (*Chenopodium amaranticolor* et *C. quinoa*). (Detection of a virus transmissible to *Chenopodium amaranticolor* and *C. quinoa* in grapevines with infectious degeneration). *C.R.Acad.Sci.,Paris* **251**, 783-785.

Keywords: grapevine/infectious degeneration/dégénérescence infectieuse/fanleaf/fanleaf virus/mechanical transmission/*Chenopodium amaranticolor*/*Chenopodium quinoa*/France

Vuittenez, A., Paquier, and Kuszala, J.(1962). Essai de guérison de vignes atteintes de dégénérescence infectieuse par thermothérapie. (Attempts to cure grapevines affected with infectious degeneration by using heat treatment). *Virologie appliquée,INRA Versailles* **(3)**, 23-26.

Keywords: grapevine/infectious degeneration/dégénérescence infectieuse/heat therapy/control/France

Vuittenez, A.(1963). Isolement, propriétés physiques et sérologiques du virus de la dégénérescence infectieuse chez les chénopodes et la vigne. (Isolation, physical and serological properties of fanleaf virus in *Chenopodium* and grapevine). *Virologie appliquée,INRA Versailles* **(4)**, 133-142.

Keywords: grapevine/fanleaf virus/isolation/properties/serology/*Chenopodium*/France

Vuittenez, A.(1963). Etudes sur la transmission mécanique, les propriétés physiques et sérologiques du virus de la dégénérescence infectieuse, applications possibles au diagnostic de la maladie chez la vigne. (Studies on mechanical transmission, physical and serological properties of fanleaf virus, possible applications to the diagnosis of the disease in grapevines). *C.R.Acad.Agric.Fr.* **49**, 795-810.

Keywords: grapevine/infectious degeneration/dégénérescence infectieuse/fanleaf/mechanical transmission/serology/properties/diagnosis/France

Vuittenez, A., Munck, M.C., and Kuszala, J.(1964). Souches de virus à haute agressivité isolées de vignes atteintes de dégénérescence infectieuse. (Highly aggressive virus strains isolated from grapevines with infectious degeneration). *Virologie appliquée,INRA Versailles* **(5)**, 69-78.

Keywords: grapevine/infectious degeneration/dégénérescence infectieuse/fanleaf/fanleaf virus/strain/France

Vuittenez, A. and Legin, R.(1964). Recherches sur les vecteurs naturels de la dégénérescence infectieuse. Confirmation de la transmission du virus par *Xiphinema index* (Thorne et Allen) et de l'activité parasitaire de ce nématode sur la vigne. (Research on natural vectors of infectious degeneration. Confirmation of the transmission of the virus by *Xiphinema index* (Thorne et Allen) and of the parasitic activity of this nematode on grapevine). *C.R.Acad.Agric.Fr.* **50**, 286-306.

Keywords: grapevine/infectious degeneration/dégénérescence infectieuse/fanleaf/nematode/*Xiphinema index*/transmission/France

Vuittenez, A., Munck, M.C., and Kuszala, J.(1964). Mise en évidence du virus de la dégénérescence infectieuse par test sérologique et observation des particules caractéristiques dans des extraits de feuilles de vigne malades. (Serological detection of fanleaf virus and observation of typical particles in extracts of diseased grapevines). *C.R.Acad.Sci.,Paris* **259**, 2156-2158.

Keywords: grapevine/infectious degeneration/dégénérescence infectieuse/serology/detection/particles/fanleaf/France

- Vuittenez, A.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 139-150.
Keywords: grapevine/fanleaf virus/symptoms/vector/transmission/herbaceous hosts/indexing/purification/soil transmission/soil fumigation/Xiphinema index/control/selection/France/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Vuittenez, A.(1965). *Proceedings International Conference on Virus and Vector on Perennial Hosts, with Special Reference to Vitis*. (Hewitt, W.B., Ed.) University of California, Division of Agricultural Sciences, Davis, Calif., USA. 364-371.
Keywords: grapevine/fanleaf/court-noué/identification/methods/comparison/mechanical inoculation/serology/France/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Vuittenez, A.(1965). *Virus Diseases of Small Fruits and Grapevines (A Handbook)*. (Frazier, N.W., Ed.) University of California, Division of Agricultural Sciences, Berkeley, Calif., USA. 217-228.
Keywords: grapevine/fanleaf virus/symptoms/detection/identification/transmission/geographical distribution/economic importance/herbaceous hosts/trabeculae/spread/soil transmission/soil fumigation/vector/Xiphinema index/heat therapy/control/France/meeting/ICVG
Notes: Proc. 2nd ICVG meeting, Davis, Calif., 6-10.9.1965.
- Vuittenez, A., Legin, R., and Kuszala, J.(1966). Observations sur une mosaïque de la Vigne, probablement indépendante du virus du Court-noué (Observation on a grapevine mosaic which is probably not due to fanleaf virus). *Ann.Epiphyt.* **17 (No hors série)**, 67-73.
Keywords: grapevine/vein mosaic/symptoms/France
Notes: In French. First description of vein mosaic.
- Vuittenez, A. and Kuszala, J.(1968). Etudes sur l'extraction du virus du Court-noué à partir des tissus de Vigne. 1e partie: méthodes de préparation des extraits destinés aux épreuves sérologiques d'immunodiffusion (Studies on fanleaf virus extraction from grapevine tissues. 1st part: methods for preparing extracts for serological immunodiffusion tests). *Ann.Epiphyt.* **19 (No hors série)**, 197-217.
Keywords: grapevine/fanleaf virus/extraction/serology/France
Notes: Special issue "Etudes de virologie".
- Vuittenez, A., Kuszala, J., Legin, R., and Munck, M.C.(1968). Versuche zur Charakterisierung (serologische und infektiöse Eigenschaften) neuer Virusisolate der Rebe; Zusammenhänge mit dem Fanleaf-Virus (Grape fanleaf virus) und dem Arabismosaik-Virus (Arabis mosaic virus) (Characterization based on serological and infectivity properties of new isolates of grape viruses; relationships with grapevine fanleaf and arabis mosaic viruses). *Weinberg u.Keller* **15**, 507-508.
Keywords: grapevine/nepovirus/fanleaf virus/arabis mosaic virus/serology/indexing/herbaceous hosts/France/meeting/ICVG
Notes: In German. Abstr. 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967.
- Vuittenez, A., Kuszala, J., Legin, R., and Munck, M.C.(1968). Propriétés sérologiques et infectieuses de certains isolats de virus obtenus de Vigne; rapports avec les virus du Court-noué (Grape fanleaf virus) et de la mosaïque de l'Arabis (Arabis mosaic virus)(Serological and infectivity properties of some virus isolates obtained from grapevine; relationships with fanleaf and arabis mosaic viruses). *Ann.Epiphyt.* **19 (No hors série)**, 219-224.
Keywords: grapevine/nepoviruses/fanleaf virus/arabis mosaic virus/serology/indexing/herbaceous hosts/France
Notes: Special issue "Etudes de virologie". In French.
- Vuittenez, A.(1970). Méthodes de diagnostic des viroses de la vigne (Diagnosis methods of grapevine viruses). *Progr.Agric.Vitic.* **87**, 379-387.

Keywords: 2139/grapevine/virus diseases/virus-like diseases/diagnosis/methods/France

Notes: A paper read at the International Conference on virus diseases of grapevine OIV/ICVG, Montpellier, France, June 1970. It is also published in the Bull. OIV 43, 926-943.

Vuittenez, A., Rüdel, M., and Brückbauer, H.(1970). Détection et étude sérologique du virus latent des taches annulaires du Fraisier (strawberry latent ringspot), du virus des anneaux noirs de la Tomate (tomato black ring), et du virus des taches annulaires du Framboisier (raspberry ringspot) chez des vignes du Palatinat (Detection and serological study of strawberry latent ringspot, tomato black ring and raspberry ringspot in grapevines from the Palatinate). *Ann.Phytopathol.* **2**, 279-327.

Keywords: grapevine/strawberry latent ringspot virus/tomato black ring virus/raspberry ringspot virus/nepoviruses/detection/serology/Germany/France

Vuittenez, A.(1971). *Plant Virology. Proceedings of the 7th Conference of Czechoslovak Plant Virologists, High Tatras 1971.* (Bojnansky, V., Ed.) Slovak Academy of Sciences, Bratislava, Czechoslovakia. 479-485.

Keywords: 2140/grapevine/viruses/detection/serology/France

Vuittenez, A.(1971). *Problems of viticulture.* (Nedelchev, N., Ed.) Zemizdat, Sofia, Bulgaria. 249-266.

Keywords: 2141/grapevine/virus diseases/virus-like diseases/diagnosis/heat therapy/control/soil disinfection/France/Bulgaria

Vuittenez, A. and Kuszala, J.(1972). Expérimentation d'améliorations récentes apportées aux techniques de détection des virus, chez la vigne, par des procédés physiques et sérologiques (Experimenting recent improvements in detection methods for grapevine viruses using physical and serological procedures). *Ann.Phytopathol.* **No. hors série**, 155-163.

Keywords: 2149/grapevine/viruses/detection/serology/France

Vuittenez, A., Legin, R., Kuszala, J., and Cardin-Munck, M.C.(1972). Les virus NEPO chez la vigne et leurs nématodes vecteurs (Grapevine nepoviruses and their vectors). *Ann.Phytopathol.* **4**, 373-392.

Keywords: 2153/grapevine/nepoviruses/nematodes/vectors/review/France

Vuittenez, A., Legin, R., Kuszala, J., and Cardin-Munck, M.C.(1972). Les virus NEPO chez la vigne et leurs nématodes vecteurs: résultats acquis et recherches en cours (Grapevine nepoviruses and their nematode vectors: results and current research). *Ann.Phytopathol.* **4**, 419-420.

Keywords: 2154/grapevine/nepoviruses/nematodes/vectors/France

Vuittenez, A.(1973). Erfahrungen mit dem Einsatz der Serologie bei der Gesundheitsselektion im französischen Weinbau (Use of serology in the sanitary selection in French viticulture). *Weinberg und Keller* **20**, 253-264.

Keywords: 2142/grapevine/sanitary selection/serology/France

Vuittenez, A.(1973). Methods of studying virus diseases of grapevines. *Riv.Patol.Veg.,Ser.IV* **9**, 123-131.

Keywords: 2143/grapevine/virus diseases/methods/France

Vuittenez, A.(1974). Tests virologiques et régénération par thermothérapie. Deux voies complémentaires pour la production de plants de vigne sans virus (Indexing and heat therapy. Two complementary ways for producing virus-free grapevines). *Colloque international de la multiplication de la Vigne,Dijon,1974* 34-41.

Keywords: 2144/grapevine/sanitary selection/heat therapy/France

Vuittenez, A., Bass, P., and Atteb, N.(1974). Application de la culture de fragments d'organes in vitro pour l'étude des virus chez la vigne et autres plantes hôtes expérimentales ligneuses ou herbacées (Use of in vitro culture of fragmented organs for studying viruses in grapevine and other

- experimental woody or herbaceous host plants). *Ann.Phytopathol.* **6**, 498-Abstract
Keywords: 2148/grapevine/in vitro culture/methods/France
- Vuittenez, A., Kuszala, J., and Pejcinovski, P.(1974). Etude de phénomènes d'interaction entre divers virus de type "Nepo" transmis expérimentalement par voie mécanique à *Chenopodium quinoa* (WILLD.).(Interaction phenomena between various nepoviruses transmitted mechanically to *Chenopodium quinoa*). *Ann.Phytopathol.* **6**, 485-Abstract
Keywords: 2152/grapevine/nepoviruses/interference/France
- Vuittenez, A. and Kuszala, J.(1975). Améliorations apportées aux techniques de diagnostic sérologique de virus des plantes ligneuses (Improved methods for serological detection of woody plant viruses). *Ann.Phytopathol.* **7**, 224-226.
Keywords: 2150/grapevine/viruses/serology/methods/France
- Vuittenez, A.(1976). Progrès dans les méthodes applicables à la sélection de la vigne pour la lutte contre les viroses et maladies similaires. *2e Symp.Internat.sur la sélection clonale de la Vigne.Le Grau du Roi,10-11 Sept.*
Keywords: 2145/grapevine/virus diseases/virus-like diseases/sanitary selection/control/France
- Vuittenez, A.(1976). Suspected virus diseases of the grapevine. *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 151-160.
Keywords: 2147/grapevine/virus-like diseases/fleck/vein mosaic/enation/yellow speckle/vein necrosis/infectious necrosis/corky bark/legno riccio/stem pitting/heat therapy/chemotherapy/antibiotics/spread/France
Notes: This paper reviews present knowledge on virus-like diseases of grapevine. It was the introductory lecture to session IV of the 6th Meeting of ICVG at Cordoba, Spain.
- Vuittenez, A., Kuszala, J., Legin, R., Stocky, G., Pejcinovski, P., and Heyd, J.C.H.(1976). Phénomènes d'interaction entre souches de virus NEPO infectant la vigne (Interaction phenomena between strains of nepovirus infecting grapevine). *Proc.6th meeting ICVG,Cordoba,Monografias INIA No 18,Ministerio de Agricult.,Madrid* 59-68.
Keywords: 2151/grapevine/nepoviruses/strains/interference/France
- Vuittenez, A.(1977). Méthodes de lutte contre les maladies à virus de la vigne (Methods for controlling virus diseases of grapevine). *Savjetovanje o ekscoriozi i virusnim bolestima vinove loze (Proc.Conf.on Excoriosis and Virus Diseases of Grapevine) Hepok,Mostar (Yugosl.)* 153-164 (Serbo).
Keywords: 2146/grapevine/virus diseases/virus-like diseases/control/methods/France
- Vuittenez, A.(1980). The new improvements of serological methods and their possible application to detect and identify viruses and virus-like diseases of the grapevine. *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 225-243.
Keywords: 2775/grapevine/virus diseases/virus-like diseases/serology/methods/review/France
- Vuittenez, A. and Stocky, G.(1980). Ultrastructure de vignes infectées par deux maladies de type viral: la mosaïque des nervures, ou la "feuille rouge" (Ultrastructure of vines infected with two virus-like diseases: vein mosaic and red leaf). *Proc.7th Meeting ICVG,Niagara Falls (Canada Agriculture,Research Branch)* 191-204.
Keywords: 2780/grapevine/vein mosaic/red leaf disease/ultrastructure/France
- Vuittenez, A. and Stocky, G.(1981). Ultrastructure of grapevines *Vitis* sp. infected by two virus- like diseases: vein mosaic or infectious chlorosis redleaf. *Agronomie* **1**, 431-432.
Keywords: 2781/grapevine/vein mosaic/red leaf disease/ultrastructure/France
- Vuittenez, A.(1982). Etat actuel des connaissances sur les maladies à virus de la vigne. Incidence sur la sélection et la multiplication (Present knowledge on grapevine virus diseases. Incidence on

- selection and multiplication). *Ile Colloque International sur la Multiplication de la Vigne, Bordeaux* 23-25.
Keywords: 2776/grapevine/virus diseases/virus-like diseases/selection/multiplication/review/France
- Vuittenez, A.(1984). Inventaire des virus et des maladies de type viral étudiées en France à Colmar. *Progr.Agric.Vitic.* **101**, 497-498.
Keywords: 2777/grapevine/virus diseases/viruses/virus-like diseases/France
- Vuittenez, A.(1984). Essai de classification des principales viroses et maladies similaires de la vigne (Attempts to classify the main virus and virus-like diseases of grapevine). *Progr.Agric.Vitic.* **101**, 499-501.
Keywords: 2778/grapevine/virus diseases/virus-like diseases/classification/France
- Vuittenez, A.(1985). Additions to the inventory of virus-like diseases of grapevine of French or foreign origin studied in France, with special reference to those studied in the Station de Pathologie Végétale of INRA at Colmar. *Proc.8th Meeting ICVG,Bari.Phytopathol.Mediterr.* **24**, 114-122.
Keywords: 2779/grapevine/virus diseases/virus-like diseases/classification/France
- Walkey, D.G.A. and Webb, M.J.W.(1970). Tubular inclusionbodies in plants infected with viruses of the NEPO type. *J.Gen.Virol.* **7**, 159-166.
Keywords: nepoviruses/symptoms/ultrastructure
- Walter, B., Kuszala, J., and Vuittenez, A.(1979). Diagnostic sérologique par les tests PALLAS et ELISA. Application aux virus de la rhizomanie de la betterave et du court-noué de la vigne.(Serological diagnosis with PALLAS and ELISA procedures (Application to the viruses of beet rhizomania and grapevine court-noué). *Ann.Phytopathol.* **11**, 568-569.
Keywords: 2782/grapevine/court-noué/fanleaf virus/arabis mosaic virus/PALLAS/ELISA/comparison/France
- Walter, B., Vuittenez, A., Kuszala, J., Stocky, G., Burckard, J., and Van Regenmortel, M.H.V.(1984). Détection sérologique des virus du court-noué de la vigne par le test ELISA (Serological detection of court-noué viruses of grapevine by means of ELISA). *Agronomie* **4**, 527-534.
Keywords: 2783/grapevine/court-noué/fanleaf virus/arabis mosaic virus/serology/detection/ELISA/France
- Weischer, B.(1964). Nematoden als Vektoren von Pflanzenviren.(Nematodes as vectors of plant viruses). *Mitt.Biol.Bundesanst.f.Land-u.Forstwirtschaft* (**111**), 98-105.
Keywords: grapevine/nematode/vector/viruses/Germany
- Weischer, B.(1966). Ein Beitrag zur geographischen Verbreitung und Ökologie von Arten der Gattungen Xiphinema und Longidorus (Contribution to the study of geographical distribution and ecology of species of the genus Xiphinema and Longidorus). *Mitt.Biol.Bundesanst.Berlin-Dahlem* (**118**), 94-96.
Keywords: grapevine/nematode/Xiphinema/Longidorus/Germany
- Weischer, B.(1968). Das Vorkommen von Arten der Gattungen Xiphinema, Longidorus und Trichodorus (Nematoda) in Rebanlagen in Deutschland (Occurrence of nematodes of the genus Xiphinema, Longidorus and Trichodorus in vineyards in Germany). *Weinberg u.Keller* **15**, 540-542.
Keywords: grapevine/nematode/Xiphinema/Longidorus/Trichodorus/Germany/meeting/ICVG
Notes: Abstr. 3rd ICVG meeting, Bernkastel-Kues, Germany, 1967.
- Weischer, B.(1968). Virusübertragung durch Nematoden (Virus transmission by nematodes). *Mitt.Biol.Bundesanst.Berlin-Dahlem.* **128**, 24-38.
Keywords: grapevine/viruses/transmission/nematode/Xiphinema index/Longidorus/fanleaf virus/arabis mosaic virus/review/Germany

- Weischer, B.(1973). Recent studies on nematodes transmitting grapevine viruses. *Riv.Patol.Veg.,Ser.IV* **9**, 81-89.
Keywords: 2155/grapevine/nepoviruses/nematodes/vectors/review/Germany
Notes: Description and discussion of recent research on nematode vectors of viruses infecting grapevines with table on vector and virus.
- Weischer, B.(1974). Xiphinema-Arten europäischer Weinberge. *Weinberg und Keller* **21**, 61-76.
Keywords: 2156/grapevine/Xiphinema/classification/morphology/geographic distribution/Europe/Germany
Notes: Morphological characters, ecology and geographical distribution of Xiphinema spp. in European and Mediterranean vineyards.
- Weischer, B.(1975). *Nematode Vectors of Plant Viruses*. (Lamberti, F., Taylor, C.E., and Seinhorst, J.W., Eds.) Plenum Press, London and New York. 291-307.
Keywords: 2157/grapevine/nematodes/Xiphinema/Longidorus/biology/Germany
Notes: Review of ecological factors influencing nematodes of the genera Xiphinema and Longidorus.
- Weischer, B. and Wyss, U.(1976). Feeding behaviour and pathogenicity of Xiphinema index on grapevine roots. *Nematologica* **22**, 319-325.
Keywords: 2158/grapevine/nematode/Xiphinema index/feeding/viruses/transmission/Germany
Notes: Experimental studies on the feeding behaviour of X. index and biological changes caused by these nematodes on grape roots.
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