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EXPLANATORY NOTE

1. ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY DISEASE.
2. DISEASES ARE INDICATED AT THE BEGINNING OF EACH GROUP.
3. MULTIPLE SUBJECT AREA, TWO OR MORE DISEASES COVERED IN ARTICLE.
4. UNDER DISEASE, ENTRIES ARE ARRANGED IN ALPHABETICAL ORDER BY AUTHOR'S NAME.
5. ON THE RIGHT MARGIN:
   - PIL - Article appears in a periodical (journal) in library.
   - PIL/A - Article authored by PIADL staff member(s).
   - NUMBER - Publication is available in "Reprint File" under indicated number.
   - LIBR. CLASSIF. CALL NUMBER - Book is available in library.
   - CIRC. FILE-Publication is in Circulating Files in library.

MULTIPLE SUBJECT AREA

ANDREWES, Sir C., and PEREIRA, H.G.
[Virus classification.]
Catalogued 29 diseases.
In: Viruses of Vertebrates, 3rd ed. London, BaillieresTindall, xii, 451 p., illus., 1972. QR 360 A4

ATANG, P.
Note de l'editeur. [Editorial comments.]
CBPP; Rinderpest.
Bull. Epizoot. Dis. Afr. [Vol. 20-Spec. Issue] 1-2(Fr.); 3-4(Engl.), June 1972. PIL

BARTELING, S.J.
The use of frozen cells in the agar-cell suspension titration technique. A reproducible system. Brief report.
FMD; VSV.
Arch. Gesamte Virusforsch. 38(2-3):271-273, 1972. PIL

CARBREY, E.A., and STEWART, W.C.
Applications of recommended fluorescent antibody techniques for viral diseases in veterinary diagnostic laboratories.
ASF; VSV; FMD; Cont. ecthyma.
Am. Assoc. Vet Lab. Diagn., 14th Annu. Meet.
In: U.S. Anim. Health Assoc., Proc. 75:564-573, 1971, publ. 1972. PIL

CHAMBRON, J., and DUTHE, M.P.
Resultats des travaux recents conduits a Dakar dans le but d'etudier selon la methode Australienne d'epreuve la valeur de l'immunite conferee par divers vaccins antiperipneumoniques utilisant les souches KH3J, T1 -et SR (streptomycino-resistante) actuellement utilisees en Afrique de l'Ouest.
CBPP; Rinderpest.
Bull. Epizoot. Dis. Afr. [Vol. 20-Spec. Issue] 47-55, June 1972. PIL

MULTIPLE SUBJECT AREA

COMMISSION OF THE EUROPEAN COMMUNITIES.
Properties of the virus of classical swine fever and differential diagnosis of classical and African swine fever. / Prefaced by L.G. Rabot, Director-General for Agriculture E.C. /
155 p., illus., October, 1971.
ASF; FMD; Teschen. SF 973 C43

DE CLERCQ, E.
Nucleic acids as interferon inducers.
VSV; Fowl plague.
In: Virus-Cell Interactions and Viral Anti-metabolites (Fed. Eur. Biochem. Soc., Proc., 7th Meet., 1971, v. 22) p. 65-86, ed. by D. Shugar. New York, Academic Press, viii, 231 p., illus., 1972. QR 360 Vi51

GIGSTAD, D.C., STONE, S.S., and DARDIRI, A.H.
Dermatropic bovine herpesviruses, bovine herpes virus, bovine herpes mammillitis and Allerton viruses. I. Serologic relationships as indicated by cross-reaction tests.
Bov. mamm.; Lumpy skin.
U.S. Anim. Health Assoc., Proc. 75:200-208, 1971, publ. 1972. PIL/A & #7360

HOFFMAN, R.K.
Toxic gases.
Scrapie; VEE.
In: Inhibition and Destr. of the Microb. Cell, p. 225-258, ed. by W.B. Hugo. New York, Academic Press, xiii, 819 p., illus., 1971. RA 761 H81

ISOUN, T.T., and MANN, E.D.
A stomatitis and pneumoenteritis complex of sheep in Nigeria.
Rinderpest; Cont. ecthyma.
Bull. Epizoot. Dis. Afr. 20(2):167-174, 1972. PIL

MORRIS, E.J., and DARLOW, H M.
Inactivation of viruses.
FMD; VEE.
In: Inhibition and Destr. of the Microb. Cell, p. 687-702, ed. by W.B. Hugo. New York, Academic Press, xiii, 819 p., illus., 1971. RA 761 H81

PAN AMERICAN HEALTH ORGANIZATION.
Identification of types and subtypes of vesicular stomatitis virus. p. 156-157

Determination of foot-and-mouth disease and vesicular stomatitis antibodies in the serum of cattle, horses, and sheep. p. 158-160

Stimulation of interferon production in animal hosts by various foot-and-mouth disease virus strains. p. 171-172

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PAN AMERICAN HEALTH ORGANIZATION (continued from p. 177)
FMD; VSV.
In: Res. in Prog. 1970; [a Summary], Washington, D.C., Pan American Health Organization, WHO, viii, 305 p., 1970. RA 10 PA443

PAN AMERICAN HEALTH ORGANIZATION. SPECIAL MEETING OF MINISTERS OF HEALTH OF THE AMERICAS. 3rd. Santiago, Chile, 2-9 October 1972.
Final report.
var. p. (REMSA3/30)
FMD; VEE. #3136

POSTE, G.
Mechanisms of virus-induced cell fusion.
Bov. mamm.; Cont. ecthyma; Rinderpest; ASF; Visna.
In: Int. Rev. Cytol. 33:157-252, ed. by G.H. Bourne, and J.F. Danielli. New York, Academic Press, ix, 369 p., illus., 1972. QH 540 I5

REYNOLDS, G.E.
Clinical aspects of bluetongue in Oregon cattle.
Bluetongue-Cattle; FMD; Rinderpest; VSV.
U.S. Anim. Health Assoc., Proc. 75:74-79, 1971, publ. 1972. PIL

ROTH, H.H.
Needs, priorities and development of wildlife disease research in relation to agricultural development in Africa.
FMD; Rinderpest; ASF; AHS; Wesselsbron; RVF.
J. Wildl. Dis. 8(4):369-374, 1972. PIL

SAULMON, E.E.
International aspects of animal disease control.
FMD; VEE; CBPP; Scrapie.
U.S. Anim. Health Assoc., Proc. 75:10-13, 1971, publ. 1972. PIL

SHAW, G.D.
Zambia: contagious bovine pleuro pneumonia 1970 outbreak: progress report April 1971.
CBPP; FMD.
Bull. Epizoot. Dis. Afr. [Vol. 20-Spec. Issue] 85-88, June 1972. PIL

SMITH, H.
Mechanisms of virus pathogenicity.
FMD; ASF; Rinderpest; VEE; VSV; Scrapie; Fowl plague.
Bacteriol. Rev. 36(3):291-310, 1972. PIL

MULTIPLE SUBJECT AREA

SMITH, H.A.
Veterinary pathology, [by] H.A. Smith, T.C. Jones [and] R.D. Hunt. 4th ed. Philadelphia, Lea & Febiger, viii, 1521 p., illus., 1972.
Catalogued 28 diseases. SF 769 S54

SOAVE, O.A.
Enfermedades infecciosas de los animales de laboratorio. Buenos Aires, Argentina, Centro Panamericano de Zoonosis, 90 p., illus., 1971.
Bov. mamm.; ASF; FMD; VES. #6079

SPIEGELMAN, S., and SCHLOM, J.
Reverse transcriptase in oncogenic RNA viruses.
Visna; VSV.
In: Virus-Cell Interactions and Viral Antimetabolites (Fed. Eur. Biochem. Soc., Proc. 7th Meet., 1971, v. 22) p. 115-133, ed. by D. Shugar. New York, Academic Press, viii, 231 p., illus., 1972. QR 360 Vi51

TCHAD. FORT-LAMY. LABORATOIRE DE RECHERCHES VETERINAIRES DE FARCHA. INSTITUT D'ELEVAGE ET DE MEDECINE VETERINAIRE DES PAYS TROPICAUX. REGION DE RECHERCHES VETERINAIRES ET ZOOTECHNIQUES D'AFRIQUE CENTRALE.
Rapport annuel 1971, 2 vols., 342 p., 1972.
Rinderpest; CBPP; ASF. #8470/3

TESSLER, J., and YEDLOUTSCHNIG, R.J.
Immunofluorescence for identifying *Mycoplasma mycoides* var. *mycoides* and *M. mycoides* var. *capri* strains.
CBPP; Caprine pleuropneumonia; Cont. agalactia. PIL/A &
Can. J. Comp. Med. 36(4):403-405, 1972. #

U.S. ANIMAL HEALTH ASSOCIATION. COMMITTEE ON FOREIGN ANIMAL DISEASES.
Report.
VEE; FMD; Rinderpest; CBPP; E.C. fever; ASF; VSV; VES.
U.S. Anim. Health Assoc., Proc. 75:209-221, 1971, publ. 1972. PIL

U.S. ANIMAL HEALTH ASSOCIATION. COMMITTEE ON INFECTIOUS DISEASES OF HORSES.
Report.
VEE; AHS.
U.S. Anim. Health Assoc., Proc. 75:262-264, 1971, publ. 1972. PIL

U.S. ANIMAL HEALTH ASSOCIATION. COMMITTEE OF INFECTIOUS DISEASES OF SHEEP AND GOATS.
Report.
Bluetongue-Cattle; Scrapie.
U.S. Anim. Health Assoc., Proc. 75:25-27, 1971, publ. 1972. PIL

MULTIPLE SUBJECT AREA

U.S. ANIMAL HEALTH ASSOCIATION. COMMITTEE ON PUBLIC HEALTH, RADIOLOGICAL FALLOUT AND TOXICOLOGY.
Report.
FMD; Rinderpest.
U.S. Anim. Health Assoc., Proc. 75:321-328, 1971, publ. 1972. PIL

U.S. ANIMAL HEALTH ASSOCIATION. COMMITTEE ON TRANSMISSIBLE DISEASES OF POULTRY.
Report.
Duck plague; VEE.
U.S. Anim. Health Assoc., Proc. 75:309-314, 1971, publ. 1972. PIL

U.S.D.A. ANIMAL AND PLANT HEALTH INSPECTION SERVICE. VETERINARY SERVICES. EMERGENCY PROGRAMS.
Foreign animal diseases report, October 1972.
VEE; VES; ASF; VSV; FMD. CIRC.FILE

YEDLOUTSCHNIG, R.J., TAYLOR, W.D., and DARDIRI, A.H.
Isolation of Mycoplasma mycoides var. capri from goats in the United States.
Caprine pleuropneumonia; CBPP.
U.S. Anim. Health Assoc., Proc. 75:166-175, 1971, publ. 1972. PIL/A & #7359

AFRICAN HORSE SICKNESS

U.S. ANIMAL HEALTH ASSOCIATION. SUBCOMMITTEE ON INFECTIOUS DISEASES OF HORSES.
A prospectus and guidelines on African horse sickness — 1971.
U.S. Anim. Health Assoc., Proc. 75:265-269, 1971, publ. 1972. PIL

AFRICAN SWINE FEVER

SHARMAN, E.C.
African swine fever.
U.S. Anim. Health Assoc., Proc. 75:176-179, 1971, publ. 1972. PIL

U.S. ANIMAL HEALTH ASSOCIATION. COMMITTEE ON TRANSMISSIBLE DISEASES OF SWINE.
Report.
U.S. Anim. Health Assoc., Proc. 75:342-344, 1971, publ. 1972. PIL

BLUETONGUE DISEASE IN CATTLE (IBARAKI VIRUS)

ELS, H.J., and LECATSAS, G.
Morphological studies on simian virus S.A. 11 and the 'related' O agent.
J. Gen. Virol. 17(1):129-132, 1972. PIL

BLUETONGUE DISEASE IN CATTLE (IBARAKI VIRUS)

SOLIMAN, A.M., HAFEZ, S.M., and OZAWA, Y.
Recent epizootics of bluetongue in Egypt.
Bull. Epizoot. Dis. Afr. 20(2):105-112, 1972. PIL

BOVINE MAMMILLITIS

GIBBS, E.P.J., JOHNSON, R.H., and OSBORNE, A.D.
Field observations on the epidemiology of bovine herpes mammillitis.
Vet. Rec. 91(17):395-401, 1972. PIL

POSTE, G., and others.*
Effect of plasma membrane lipid composition on cellular susceptibility to virus-induced cell fusion.
J. Gen. Virol. 17(1):133-136, 1972.
*P. Reeve, D.J. Alexander, and G. Terry. PIL

SMITH, P.C., and others.*
A bovine herpesvirus associated with a disease of the upper respiratory tract of feedlot cattle.
J. Am. Vet. Med. Assoc. 161(10):1134-1141, 1972.
*R.C. Cutlip, A.E. Ritchie, and J.K. Young. PIL

CONTAGIOUS BOVINE PLEUROPNEUMONIA

DALEEL, E.E., and MUSTAFA, A.A.
Antigenic components [structure] of attenuated Mycoplasma mycoides var. mycoides (F. strain), grown in crude extract of (Gladysdale) virulent strain.
Bull. Epizoot. Dis. Afr. [Vol. 20-Spec. Issue] 33-35, June 1972. PIL

FAO/OIE/OAU MEETING OF THE EXPERT PANEL ON CONTAGIOUS BOVINE PLEUROPNEUMONIA. 4th. Paris, France, March 15-20, 1971.
Recommendations.
Bull. Epizoot. Dis. Afr. [Vol. 20-Spec. Issue] 101(Fr.); 102(Engl.), June 1972. PIL

ISOUN, T.T.
Contagious bovine pleuropneumonia in a beef herd of Ndama cattle in South Western Nigeria.
Bull. Epizoot. Dis. Afr. [Vol. 20-Spec. Issue] 23-29, June 1972. PIL

KARST, O.
Contagious bovine pleuropneumonia: lyophilised (T_1) vaccine.
Bull. Epizoot. Dis. Afr. [Vol. 20-Spec. Issue] 69-76, June 1972. PIL

MANILOFF, J., and MOROWITZ, H.J.
Cell biology of the mycoplasmas.
Bacteriol. Rev. 36(3):263-290, 1972. PIL

CONTAGIOUS BOVINE PLEUROPNEUMONIA

SHIFRINE, M., BAILEY, K.P., and STONE, S.S.
Contagious bovine pleuropneumonia: isolation of Mycoplasma mycoides var. mycoides from ticks collected from infected cattle and infection attempts using these ticks.
Bull. Epizoot. Dis. Afr. [Vol. 20-Spec. Issue] 43-45, June 1972. PIL/A & #

WHITTLESTONE, P., LEMCKE, R.M., and OLDS, R.J.
Respiratory disease in a colony of rats.
II. Isolation of Mycoplasma pulmonis from the natural disease, and the experimental disease induced with a cloned culture of this organism.
J. Hyg. (Camb.) 70(3):387-407, 1972. PIL

CONTAGIOUS ECTHYMA OF SHEEP

SAWHNEY, A.N., and DYAKOV, L.
Propagation of the virus Ecthyma contagiosum in chick embryo: histopathological change in the infected chorioallantoic membranes.
Indian J. Anim. Sci. 42(5):380-382, 1972. PIL

EAST COAST FEVER

ANON.
Toward a control for East Coast fever.
World Farming 14(4):22, 1972. #6949

BROCKLESBY, D.W., SELLWOOD, S.A., and HARNESS, E.
Some characteristics of a strain of Theileria mutans (Theiler, 1906) isolated from cattle in county of Kent, England, and maintained in splenectomized calves.
Int. J. Parasitol. 2(2):265-271, 1972.
Bibliogr. Agric. 36(10):55(100172), 1972. PIL

BURRIDGE, M.J., and KIMBER, C.D.
The indirect fluorescent antibody test for experimental East Coast fever (Theileria parva infection of cattle). Detection of antibodies to schizonts in dried blood samples.
Z. Tropenmed. Parasitol. 23(3):328- , 1972.
Curr. Contents-Life Sci. 15(45):77, 1972. PIL

EPHEMERAL FEVER

MURPHY, F.A., and others.*
Bovine ephemeral fever virus in cell culture and mice.
Arch. Gesamte Virusforsch. 38(2-3):234-249, 1972.
*W.P. Taylor, C.A. Mims, and S.G. Whitfield. PIL

FOOT-AND-MOUTH DISEASE

ANON.
Temor de una epizootia de aftosa en Europa.
--Editorial.
Gac. Vet. (B. Aires) 34(266):401-402, 1972. PIL

BALLARINI, G.
Hypersensitivity to carboxymethylcellulose
and iatrogenic allergy in cattle.
Clin. Vet. (Milano) 94:129-139, 1971(Ital., engl.).
Vet. Bull. 41(12):1026(6413), 1971. PIL

BARTON, R.J.
Anomalous behaviour of bovine serum albumin in
electrophoresis on non-denaturing
polyacrylamide gel.
Biochem. J. 129(4):983-985, 1972. PIL

BAUER, K., and EISSNER, G.
Untersuchungen über Persistenz und Desinfektion
von Maul-und Klauenseuche (MKS)-Virus in
Flüssigmist aus der Schwemmentmistung.
Berl. Münch. Tierärztl. Wochenschr. 85(19):
367-368, 1972 (Engl. summ.). PIL

BAYRAMOGLU, O., and ÜNLÜLEBLEBICI, N.
/ Studies on the inocuity and potency of the foot-
and-mouth disease vaccines on guinea pigs. /
English summary.
In: SAP Enst., 1967-1969, p. 247-288. Ankara,
/ Turkey /, 384 p., illus., 1969. SF 793 IN24

BERGAMINI, F.
Immunity in viral infections.
G. Mal. Infett. Parassit. 23(6):396-399, 1971.
Biores. Index 8(10):1861(80399), 1972. PIL

COTTRAL, G.E., and GAILIUNAS, P.
Experimental multiple infection of animals
with foot-and-mouth disease viruses.
U.S. Anim. Health Assoc., Proc. 75:441-465, 1971, PIL/A &
publ. 1972. #7357

DUDGEON, A.
Some thoughts on the effects of wind and weather
on the spread of disease.
Vet. Field Serv. Newsl. (Minist. Agric., Fisheries
and Food, Anim. Health Div.) (10):2-3, 1970. #6012

EROL, N., and ILERLE, M.A.
/ Cultivation of the virus of foot-and-mouth
disease on tongue epithelium. /
English summary.
In: SAP Enst., 1967-1969, p. 349-355. Ankara,
/ Turkey /, 384 p., illus., 1969. SF 793 IN24

FOOT-AND-MOUTH DISEASE

FALCONER, J.
The epizootiology and control of foot-and-mouth disease in Botswana.
Vet. Rec. 91(15):354-359, 1972. PIL

GALABOV, A., and others.*
Inhibitory effect of N-phenyl-N'-aryl- or alkylthiourea derivatives on the multiplication of some picornaviruses (Coxsackie B 1, ECHO 19, and foot-and-mouth disease virus) in cell cultures.
Arch. Gesamte Virusforsch. 38(2-3):159-166, 1972.
*L. Shindarov, G. Vassilev, and R. Vassileva. PIL

GOLDBLITH, S.A.
The inhibition and destruction of the microbial cell by radiations.
In: Inhibition and Destr. of the Microb. Cell, p. 285-305, ed. by W.B. Hugo. New York, Academic Press, xiii, 819 p., illus., 1971. RA 761 H81

KARAGÖZOGLU, A.G.
Sap Enstitüsünün tarihcesi ve genel durumu.
[The history and general knowledge of foot-and-mouth disease institute.]
English summary.
In: SAP Enst., 1967-1969, p. 8-14. Ankara, [Turkey], 384 p., illus., 1969. SF 793 IN24

KRASOV, V.M., and others.*
Action of physicochemical factors on foot-and-mouth disease virus RNA.
Tr. Kaz. Nauchno-Issled. Vet. Inst. 14:209-211, 1971 (Russ.). From Ref. Zh., Biol. Khim., Abstr. No. 10F802, 1972.
Chem. Abstr. 77(21):143-144(136420j), 1972.
*A.S. Malishevskaya, L.N. Rublev, and E.K. Semenova. PIL

LEE, W.H., and RIEMANN, H.

The inhibition and destruction of Enterobacteriaceae of pathogenic and public health significance.
In: Inhibition and Destr. of the Microb. Cell, p. 399-418, ed. by W.B. Hugo. New York, Academic Press, xiii, 819 p., illus., 1971. RA 761 H81

McVICAR, J.W., and SUTMOLLER, P.
Foot-and-mouth disease in sheep and goats: early virus growth in the pharynx and udder.
U.S. Anim. Health Assoc., Proc. 75:194-199, 1971, publ. 1972. PIL/A & #7354

FOOT-AND-MOUTH DISEASE

MAGLIONE, L., BECCARIA, E., and ABATE, D.
Foot-and-mouth disease in the year 1970 in Sicily; investigation on the role of sheep in spreading the disease.
Atti Soc. Ital. Sci. Vet. 25:508-510, 1971.
Biolog. Index 8(10):1851(79980), 1972. PIL

NAZLIOGLU, M., and ÖRÜN, H.
[Study on the epizootiology, control measures and economic losses of foot-and-mouth disease in Turkey.]
English summary.
In: SAP Enst., 1967-1969, p. 15-69. Ankara, [Turkey], 384 p., illus., 1969. SF 793 IN24

ORAL, M., and BOZ, C.
[Comparative study of immunity in Turkish cattle inoculated with native and foreign originated different foot-and-mouth disease vaccines.]
English summary.
In: SAP Enst., 1967-1969, p. 289-313. Ankara, [Turkey], 384 p., illus., 1969. SF 793 IN24

ORAL, M., and BOZ, C.
[Work on the identification of variants of A type of foot-and-mouth disease virus which have caused outbreaks in Turkey.]
English summary.
In: SAP Enst., 1967-1969, p. 92-103. Ankara, [Turkey], 384 p., illus., 1969. SF 793 IN24

ORAL, M., and BOZ, C.
[Work on type identification of the virus of foot-and-mouth disease. Occurred in Turkey during 1961-1969.]
English summary.
In: SAP Enst., 1967-1969, p. 70-83. Ankara, [Turkey], 384 p., illus., 1969. SF 793 IN24

ORAL, M., BOZ, C., and GIRARD, H.C.
[A comparative study of O type virus of foot-and-mouth disease. Occurred in Turkey and Europe.]
English summary.
In: SAP Enst., 1967-1969, p. 84-91. Ankara, [Turkey], 384 p., illus., 1969. SF 793 IN24

PAN AMERICAN HEALTH ORGANIZATION.
Identification of types and subtypes of foot-and-mouth disease virus. p. 152-153
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Laboratory control of FMD vaccines. p. 169-170
In: Res. in Prog. 1970; [a Summary]. Washington, D.C., Pan American Health Organization, WHO, viii, 305 p., 1970. RA 10 PA443

PEACOCK, W.L., and HICKEY, B.D.
Disinfectant compositions.
Brit. J.286,978 (Cl. A 61L), 31 Aug. 1972, Appl 45,204/69, 12 Sep. 1969, 3 pp.
Chem. Abstr. 77(20):272(130633j), 1972. PIL

PUSTIGLIONE NETTO, L., and others.*
Pesquisa de animais portadores de virus da febre aftosa, a partir de bovinos normais destinados ao abate. [Research on carriers of foot-and-mouth disease virus among apparently healthy cattle destined to slaughter.]
English abstract.
Arq. Inst. Biol. (Sao Paulo) 39(2):125-130, 1972.
*R.M. Belem, O. Suga, and O. Yida. S 191 B2

REDA, I.M., and WITTMANN, G.
Die Verwendung von $CrCl_3$ zur Kopplung von Maul-und-Klauenseuche-Virus an Erythrozyten und deren Eignung für die passive Hämagglutination und Immunhämolyse. [The use of $CrCl_3$ for coupling of foot-and-mouth disease virus to erythrocytes, and the ability of these sensitized erythrocytes to react in passive hemagglutination (PHA) and passive immunohemolysis (PIH).]
English summary.
Arch. Gesamte Virusforsch. 38(2-3):205-215, 1972. PIL

RODRIGUES, M.A. La R., and CASTRO, M.P. de
Perda de susceptibilidade ao virus da febre aftosa, em celulas IB-RS-2 cultivadas na presenca de soro bovino. [Loss in susceptibility to foot-and-mouth disease virus in IB-RS-2 cells cultivated in presence of bovine serum.]
English abstract.
Arq. Inst. Biol. (Sao Paulo) 39(2):85-81, 1972. S 191 B2

RWEYEMAMU, M.M., and LORETU, K.
Observations on foot-and-mouth disease in Tanzania.
Bull. Epizoot. Dis. Afr. 20(2):101-104, 1972. PIL

SELLERS, R.F., and HERNIMAN, K.A.J.
The effects of spraying on the amounts of airborne foot-and-mouth disease virus present in loose-boxes.
J. Hyg. (Camb.) 70(3):551-556, 1972. PIL

FOOT-AND-MOUTH DISEASE

SENTÜRK, M.
/ General knowledge about sterilization and the filtration of media for large scale virus production. /
English summary.
In: SAP Enst., 1967-1969, p. 324-337. Ankara, / Turkey /, 384 p., illus., 1969. SF 793 IN24

SMITH, D.F.G.
Erosion of the Field Service.
Vet Rec. 91(17):416-417, 1972. PIL

SÜTCÜ, M., OKAY, G., and SENTÜRK, M.
/ Research on the growth of foot-and-mouth disease virus types on tissue culture and on the antigenic and immunological properties of culture virus types. /
English summary
In: SAP Enst., 1967-1969, p. 110-141. Ankara, / Turkey /, 384 p., illus., 1969. SF 793 IN24

SUTMOLLER, P., and TRAUTMAN, R.
Computer retrieval of animal disease research records.
U.S. Anim. Health Assoc. Proc. 75:180-193, 1971, publ. 1972. PIL/A & #7358

SYREWICZ, J.J., and others.*
Purification of large amounts of murine ribonucleic acid tumor viruses produced in roller bottle cultures.
Appl. Microbiol. 24(3):488-494, 1972.
*R.B. Naso, C.S. Wang, and R.B. Arlinghaus. PIL

TRUEMAN, J.R.
The halogens.
In: Inhibition and Destr. of the Microb. Cell, p. 137-183, ed. by W.B. Hugo. New York, Academic Press, xiii, 819 p., illus., 1971. RA 761 H81

ÜNLÜLEBLEBICI, N., and others.*
/ The studies on the potency and the challenges by homologous and heterologous viruses of foot-and-mouth disease vaccines prepared with A. Polatli and A. Mahmatli strains. /
English summary.
In: SAP Enst., 1967-1969, p. 314-323. Ankara, / Turkey /, 384 p., illus., 1969. SF 793 IN24

FOWL PLAGUE

ASADULLAEV, T.A.
/ The effect of nucleic acid and protein metabolism inhibitors on myxovirus reproduction. /
Tr. Nauchno-Issled. Inst. Virusol. Mikrobiol. Gig. 30:60-63, 1970. Transl. from Ref. Th. Biol., No. 9:B284, 1971.
Biol. Abstr. 54(8):4507(46644), 1972. PIL

FOWL PLAGUE

GERMANOV, A.B., SOKOLOV, M.I., and PARASIUK, N.A.
The application of DEAE-cellulose column chromatography to the selection of S^+ revertants and determination of reversion frequency in populations of S^- mutants of fowl plague virus.
J. Gen. Virol. 17(1):49-54, 1972. PIL

HARKNESS, J.W., and others.*
Studies on relationships between human and porcine influenza: 1. Serological evidence of infection in swine in Great Britain with an influenza A virus antigenically like human Hong Kong/68 virus.
Bull. WHO 46(6):709-719, 1972.
*G.C. Schild, P.H. Lamont, and C.M. Brand. PIL

JURCINA, A., and MICHALOV, J.
Dynamics of antibody formation against the nondistintegrated and disintegrated virus of fowl plague.
Folia Vet. 16(1-2):111-117, 1972 (Slov.).
Chem. Abstr. 77(21):303(138244d), 1972. PIL

PODCHERNYAEVA, R. Ya., and others.*
Study of interspecies recombination of influenza AO and fowl plague viruses.
Vopr. Virusol. (5):559- , 1972 (Russ.).
Curr. Contents-Life Sci. 15(47):51, 1972.
*M.I. Sokolov, V.K. Blinova, A.G. Uzunova, and S.V. Lavrov. PIL

SCHILD, G.C., and others.*
Studies on relationships between human and porcine influenza: 2. Immunological comparisons of human A/Hong Kong/68 virus with influenza A viruses of porcine origin.
Bull. WHO 46(6):721-728, 1972.
*C.M. Brand, J.W. Harkness, and P.H. Lamont. PIL

RIFT VALLEY FEVER

REA, G.B.
Inter-relationship of the diagnostic laboratories and regulatory medicine.
Am. Assoc. Vet. Lab. Diagn., 14th Annu. Meet.
In: U.S. Anim. Health Assoc., Proc. 75:545-549, 1971, publ. 1972. PIL

SCRAPIE

CHANTAL, J.
Slow virus infections.II. Interest in comparative pathology. English summary.
Rev. Med. Vet. (Toulouse) 123(New Ser.) 35(3): 373-389, 1972 (Fr.).
Bibliogr. Agric. 36(10):58(100352), 1972. PIL

VENEZUELAN EQUINE ENCEPHALOMYELITIS

PAN AMERICAN HEALTH ORGANIZATION.
Studies on arthropod-borne viruses. p. 146-148
Heron ecology and North American encephalitis viruses. p. 149-151
In: Res. in Prog. 1970; [a Summary]. Washington, D.C., Pan American Health Organization, WHO, viii, 305 p., 1970. RA 10 PA443

SEATON, V.A.
Need for personnel safety and health programs in veterinary diagnostic laboratories.
Am. Assoc. Vet. Lab. Diagn., 14th Annu. Meet.
In: U.S. Anim. Health Assoc., Proc. 75:532-535, 1971, publ. 1972. PIL

SPERTZEL, R.O.
Overview of the 1971 Texas Venezuelan equine encephalomyelitis epizootic.
U.S. Anim. Health Assoc., Proc. 75:162-165, 1971, publ. 1972. PIL

SUMMERS, P.W. [prep.]
Bibliography on Venezuelan equine encephalomyelitis (VEE); Supplement 1. Frederick, Md., U.S. Army Med. Res., Inst. Infect. Dis., 21 p., 1972. #5662/D-1

U.S. ANIMAL AND PLANT HEALTH INSPECTION SERVICE.
VETERINARY SERVICES.
VEE of horses...a disease on the move.
Washington, D.C., U.S. Gov. Print. Off., 6 p., 1972 (U.S. Dep. Agric. - Program Aid No. 1004). GOV.PUBL.DRWR.

VESICULAR STOMATITIS VIRUS

BACHENHEIMER, S.L., and ROIZMAN, B.
Ribonucleic acid synthesis in cells infected with herpes simplex virus. VI. Polyadenylic acid sequences in viral messenger ribonucleic acid.
J. Virol. 10(4):875-879, 1972. PIL

CARTER, W.A., and others.*
Structural requirements of the $rI_n \cdot rc_n$ complex for induction of human interferon.
J. Mol. Biol. 70(3):567-587, 1972.
*P.M. Pitha, L.W. Marshall, I. Tazawa, S. Tazawa, and P.O.P. Ts'o. PIL

DE CLERCQ, E.
Hyporeactivity to interferon production by double-stranded RNA associated with hyporeactivity to antiviral protection and hyporeactivity to toxicity.
Proc. Soc. Exp. Biol. Med. 141(1):340-345, 1972. PIL

DE CLERCQ, E., ŻMUDZKA, B., and SHUGAR, D.
Antiviral activity of polynucleotides: role of the 2'-hydroxyl and a pyrimidine 5-methyl.
FEBS (Fed.Eur.Biochem.Soc.) Lett. 24(1):137-140, 1972. PIL

VESICULAR STOMATITIS VIRUS

EHRENFELD, E., and SUMMERS, D.F.
Adenylate-rich sequences in vesicular stomatitis virus messenger ribonucleic acid.
J. Virol. 10(4):683-688, 1972. PIL

FARMILO, A.J., and STANNERS, C.P.
Mutant of vesicular stomatitis virus which allows deoxyribonucleic acid synthesis and division in cells synthesizing viral ribonucleic acid.
J. Virol. 10(4):605-613, 1972. PIL

HECHT, T.T., and SUMMERS, D.F.
Effect of vesicular stomatitis virus infection on the histocompatibility antigen of L cells.
J. Virol. 10(4):578-585, 1972. PIL

KERR, I.M., and others.*
Protein synthesis in interferon-treated and virus-infected cells.
In: Virus-Cell Interactions and Viral Antimetabolites (Fed. Eur. Biochem. Soc., Proc., 7th Meet., 1971, v. 22) p. 45-64, ed. by D. Shugar. New York, Academic Press, viii, 231 p., illus., 1972.
*P. Dobos, E.M. Martin, D.H. Metz, and M. Esteban. QR 360 Vi51

LEE, H.H., and TINSLEY, T.W.
Inhibition of certain deoxyribonucleic acid viruses by liver extracts.
Infect. Immun. 6(4):427-430, 1972. PIL

LEE, P.E., BOERJAN, M., and PETERS, D.
Electron microscopic evidence for a neuraminic acid in sow thistle yellow vein virus.
Virology 50(1):309-311, 1972. PIL

MARSHALL, S., and GILLESPIE, D.
Poly U tracts absent from viral RNA.
Nat. New Biol. (Lond.) 240 (97):43-45, 1972. PIL

MOEHRING, T.J., and MOEHRING, J.M.
Response of cultured mammalian cells to diphtheria toxin. IV. Isolation of KB cells resistant to diphtheria toxin.
Infect. Immun. 6(4):487-492, 1972. PIL

MOEHRING, T.J., and MOEHRING, J.M.
Response of cultured mammalian cells to diphtheria toxin. V. Concurrent resistance to ribonucleic acid viruses in diphtheria toxin-resistant KB cell strains.
Infect. Immun. 6(4):493-500, 1972. PIL

VESICULAR STOMATITIS VIRUS

MUDD, J.A.
Composition and replication of vesicular stomatitis virus.
--Thesis, Yeshiva Univ., New York, N.Y., 127 pp., 1970 (Engl.).
Diss. Abstr. Int. B Sci. Eng. 32(12)(Part 1); 7194, 1972. PIL &
Chem. Abstr. 77(21):214(137243r), 1972. #6070

OIE, H.K., and others.*
High interferon producing line of transformed murine cells.
J. Gen. Virol. 17(1):107-109, 1972.
*A.F. Gazdar, C.E. Buckler, and S. Baron. PIL

OSUNKOYA, B.O., and DAVID-WEST, T.S.
Telophase arrest of cultured cells by vesicular stomatitis virus.
Arch. Gesamte Virusforsch. 38(2-3):228-233, 1972. PIL

PERRAULT, J., and HOLLAND, J.J.
Absence of transcriptase activity or transcription-inhibiting ability in defective interfering particles of vesicular stomatitis virus.
Virology 50(1):159-170, 1972. PIL

PERRAULT, J., and HOLLAND, J.
Variability of vesicular stomatitis virus autointerference with different host cells and virus serotypes.
Virology 50(1):148-158, 1972. PIL

RANDLES, J.W., and FRANCKI, R.I.B.
Infectious nucleocapsid particles of lettuce necrotic yellows virus with RNA-dependent RNA polymerase activity.
Virology 50(1):297-300, 1972. PIL

RAYBAUD, N., and others.*
Study of antivirus activity of mineral condensed polyanions: II. Effect on vesicular stomatitis virus.
Rev. Eur. Etud. Clin. Biol. 17(3):295-299, 1972.
Biol. Abstr. 54(8):4040(41925), 1972.
*C. Jasmin, J. Huppert, J.C. Chermann, G. Mathe, and M. Raynaud. PIL

REEDER, G.S., KNUDSON, D.L., and MacLEOD, R.
The ribonucleic acid of potato yellow dwarf virus.
Virology 50(1):301-304, 1972. PIL

SHIOKAWA, K., and YAOI, H.
Effects of sonication on physicochemical and biological properties of synthetic double-stranded polyribonucleotides as interferon inducer.
Arch. Gesamte Virusforsch. 38(2-3):109-124, 1972. PIL

VESICULAR STOMATITIS VIRUS

STANECK, L.D., and others.*
Arenaviruses: cellular response to long-term in vitro infection with Parana and lymphocytic choriomeningitis viruses.
Infect. Immun. 6(4):444-450, 1972.
*R.S. Trowbridge, R.M. Welsh, E.A. Wright, and C.J. Pfau. PIL

STEWART, W.E., II, DE CLERCQ, E., and DE SOMER, P.
Recovery of cell-bound interferon.
J. Virol. 10(4):707-712, 1972. PIL

STURMAN, L.S., and TAKEMOTO, K.K.
Enhanced growth of a murine coronavirus in transformed mouse cells.
Infect. Immun. 6(4):501-507, 1972. PIL

USKAVITCH, R., comp.
Vesicular stomatitis virus; a bibliography, Supplement No. 3, October 1971 - September 1972. Greenport, L.I., N.Y., U.S. Dep. Agric., Agric. Res. Serv., Plum Island Anim. Dis. Lab., 34 p., 1972. #5769/3

VERNON, S.K., NEURATH, A.R., and RUBIN, B.A.
Electron microscopic studies on the structure of rabies virus.
J. Ultrastruct. Res. 41(1-2):29-42, 1972. PIL

VILCEK, J., BARMAK, S.L., and HAVELL, E.A.
Control of interferon synthesis: effect of diethylaminoethyl-dextran on induction by polyinosinic-polycytidylic acid.
J. Virol. 10(4):614-621, 1972. PIL

WUNNER, W.H., and PRINGLE, C.R.
Protein synthesis in BHK21 cells infected with vesicular stomatitis virus. II. ts mutants of the New Jersey serotype.
Virology 50(1):250-253, 1972. PIL

YOUNGNER, J.S.
Bacterial lipopolysaccharide: oral route for interferon production in mice.
Infect. Immun. 6(4):646-647, 1972. PIL

ZAHARIJA, I.
Vesiculous stomatitis, stomatitis vesicularis (specifica), pseudo-foot-and-mouth disease. English summary.
Vet. Glas. 26(3):201-206, 1972 (Croat.).
Bibliogr. Agric. 36(10):58(100395), 1972. PIL

ZAVADA, J.
VSV pseudotype particles with the coat of avian myeloblastosis virus.
Nat. New Biol. (Lond.) 240(99):122-124, 1972. PIL

VESICULAR STOMATITIS VIRUS

ZAVADA, J., and others.*
VSV pseudotype produced in cell line derived from human mammary carcinoma.
Nat. New Biol. (Lond.) 240(99):124-125, 1972.
*Z. Zavadova, A. Malir, and A. Kocent. PIL

VISNA DISEASE

FILIPPI, P., and others.*
L'ARN polymerase ARN dependante du virus visna. Etude des produits de la reaction.
C.R. Ser. D - Sci. Nat. (Paris) 275(14):1571- , 1972.
Curr. Contents-Life Sci. 15(46):M5, 1972.
*M. Brahic, J. Tamalet, and L. Delbecchi. PIL

KLEMENT, V., and McALLISTER, R.M.
Syncytial cytopathic effect in KB cells of a C-type RNA virus isolated from human rhabdomyosarcoma.
Virology 50(1):305-308, 1972. PIL

MISCELLANEOUS

BAXBY, D.
Smallpox-like viruses from camels in Iran.
Lancet 2(7786):1063-1065, 1972. PIL

BERGAN, T., and LYSTAD, A.
Evaluation of disinfectant inactivators.
Acta Pathol. Microbiol. Scand. Sect. B: Microbiol. Immunol. 80B(4):507-510, 1972. PIL

COMPANS, R.W., CONTENT, J., and DUESBERG, P.H.
Structure of the ribonucleoprotein of influenza virus.
J. Virol. 10(4):795-800, 1972. PIL

ENGLAND, B.
Concentration of reovirus and adenovirus from sewage and effluents by protamine sulfate (salmine) treatment.
Appl. Microbiol. 24(3):510-512, 1972. PIL

HAMBLING, M.H.
Hand, foot, and mouth disease associated with Coxsackie A9 virus.
Lancet 2(7783):931, 1972. PIL

TRAUTMAN, R.
Computer simulation of radial immunodiffusion. I. Selection of an algorithm for the diffusion process.
Biophys. J. 12(11):1474-1495, 1972. PIL/A & #

TURNER, G.S.
Rabies vaccines and interferon.
J. Hyg. (Camb.) 70(3):445-453, 1972. PIL