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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

AL-AUBAIDI, J.M., and others.*
Identification and characterization of Acholeplasma oculusi spec. nov. from the eyes of goats with keratoconjunctivitis.
Cont. agalactia; CCPP; CBPP.
Cornell Vet. 63(1):117-129, 1973. PIL/A & #7365
*A.H. Dardiri, C.C. Muscoplatt, and E.H. McCauley.

ALLISON, A.C., and others.*
Virus-associated immunopathology: animal models and implications for human disease: 1. Effects of viruses on the immune system, immune-complex diseases, and antibody-mediated immunologic injury.
VEE; ASF.
Bull. WHO 47(2):257-264, 1972. PIL
*

ANON.
Swine disease outbreak not FMD.
FMD; VSV; VES; Swine vesicular disease.
Fed. Vet. 29(12):6, 1972. PIL

CIRILLO, V.P., and RAZIN, S.
Distribution of a phosphoenolpyruvate-dependent sugar phosphotransferase system in mycoplasmas.
CBPP; CCPP; Cont. agalactia.
J. Bacteriol. 113(1):212-217, 1973. PIL

CRICK, J., and BROWN, F.
Interference as a measure of cross-relationships in the vesicular stomatitis group of rhabdo viruses.
VSV; FMD.
J. Gen. Virol. 18(1):79-82, 1973. PIL

MULTIPLE SUBJECT AREA

LEADER, R.W., and HURVITZ, A.I.
Interspecies patterns of slow virus diseases.
Scrapie; Visna.
In: Annu. Rev. Med., Vol. 23:191-200, ed. by A.C. De Graff. Palo Alto, Calif., Annu. Rev., Inc., ix, 515 p., illus., 1972.
Vet. Bull. 42(12):768(6826), 1972. PIL

MACKENZIE, R.B.
Public health importance of rodents in South America.
VEE; VSV; FMD.
Bull. WHO 47(2):161-169, 1972. PIL

MARTIN, W.B., and others.*
Viral infection of the bovine teat.
Bov. mamm.; FMD.
In: Int. Meet. Dis. Cattle, 7th, London, 1972. World Assoc. Buiatrics, p. 574-593, 1972 (Engl., ger., fr.).
Abstr. in: Vet. Bull. 43(2):82(690), 1973.
*I.M. Lauder, B. Martin, M. Murray, and H.M. Pirie. PIL

ONOVIRAN, O.
Immunity in contagious caprine pleuropneumonia.
CCPP; CBPP.
Res. Vet. Sci. 13(6):599-600, 1972. PIL

PICHLER, L.
Bestimmung der Dichte feliner Picornaviren im CsCl-Gradienten. [Buoyant density in CsCl of infectious feline picorna virus virions.]
VES; FMD; FPV.
Zentralbl. Bakteriol., Parasitenkd., Infektionskr. Hyg. Erste Abt. Orig.-Reihe A Med. Mikrobiol. Parasitol. 222(2):162-167, 1972. PIL

AFRICAN HORSE SICKNESS

DATT, N.S., and others.*
Studies on African horsesickness virus type IX ('Jaipur' strain): host-range pathogenicity including adaptation to guinea-pigs and mice.
Indian J. Anim. Sci. 42(6):438-441, 1972.
*C.L. Sehgal, G.L. Sharma, M.C. Pandey, and S. Kumar. PIL

DATT, N.S., and others.*
Studies on African horsesickness virus type IX ('Jaipur' strain): immunological studies with mouse-adapted virus.
Indian J. Anim. Sci. 42(6):442-445, 1972.
*C.L. Sehgal, G.L. Sharma, and S. Kumar. PIL

AFRICAN HORSE SICKNESS

KUMAR, S., and others.*
Studies on African horsesickness virus type IX ('Jaipur' strain): development of modified mouse strain vaccine.
Indian J. Anim. Sci. 42(6):446-449, 1972.
*N.S. Datt, R.N. Sharma, B.B.L. Mathur, and G.L. Sharma. PIL

AFRICAN SWINE FEVER

BODON, L.
African swine fever virus.
Magy. Allatorv. Lapja 27(8):423-424, 1972(Hung.).
Bibliogr. Agric. 37(1):52(003128), 1973. PIL

CONTAGIOUS BOVINE PLEUROPNEUMONIA

ANON.
Did you know?
("The eradication of contagious pleuropneumonia in Australia has been achieved throughout the commonwealth. ...")
Fed. Vet. 29(12):6, 1972. PIL

IKOEV, V.N., PILLE, E.R., and FEDOTOVA, Yu.M.
Izuchenie infitsirovannosti mikoplazmami krupnogo rogatogo skota. [Frequency of mycoplasma infection among cattle.]
Vopr. Virusol. 17(3):335-339, 1972 (Russ., with Engl. summ.).
Vet. Bull. 42(12):766(6804), 1972. PIL

CONTAGIOUS ECTHYMA OF SHEEP

MONLUX, W.S., and MONLUX, A.W.
Chronic infectious bacterial diseases that resemble neoplastic alterations: contagious ecthyma in sheep and goats.
In: Atlas of Meat Insp. Pathol., p. 85-119, [by] W.S. Monlux, and A.W. Monlux. Wash., D.C., U.S. Dep. Agric., Agric. Handb. No. 367, 178 p., illus., 1972. SF 769 M65

DUCK PLAGUE

REESE, K.M.
Duck plague hits refuge.
("...Lake Andes National Wildlife Refuge in South Dakota.")
Chem. Eng. News 51(9):64, 1973. PIL

EAST COAST FEVER

IRVIN, A.D., BROWN, C.G.D., and CRAWFORD, J.G.
Attempts to grow tissue culture cells, infected with Theileria parva, in laboratory animals.
Res. Vet. Sci. 13(6):589-590, 1972. PIL

EAST COAST FEVER

LAMY, L.H.
Protozoaires intracellulaires en culture cellulaire: interet-possibilites-limites. [Intracellular protozoa in cellular culture: interest, possibilities, limits.]
Annee Biol. 11(3/4):145-183, 1972 (Fr.).
Biol. Abstr. 55(1):385(3625), 1973. PIL

FOOT-AND-MOUTH DISEASE

BROOKSBY, J.B.
Swine vesicular disease: a statement from Pirbright.
Vet. Rec. 91(27):681-682, 1972. PIL

HEDJAZI, M., ANSARI, H., and NADALIAN, M. Gh.
Etude clinique de quelques enzooties de fievre aphteuse chez les agneaux et chevreaux a la mamelle en Iran. [Clinical study of some enzootics of foot and mouth disease in lambs and kids in Iran.]
Rev. Med. Vet. (Toulouse) 123(8-9):1085-1088, 1972 (Fr., with Engl. summ.). PIL &
Vet. Bull. 43(1):10(90), 1973. #6448

HOFF-JØRGENSEN, R., and LUND, E.
Studies on the inactivation of viruses by ethylene oxide.
Acta Vet. Scand. 13(4):520-527, 1972. PIL

IVANOVA, V.I., and others.*
Disinfection preservation of pigskins during brucellosis, listeriosis, foot and mouth disease, swine erysipelas, and Aujeszky's disease.
Tr. Vses. Nauchno-Issled. Inst. Vet. Sanit. 32:515-528, 1969 (Russ.).
Chem. Abstr. 78(7):122(39128h), 1973.
*T.A. Trzhetsetskaya, A.A. Shakhalin, and A.V. Stefanov. PIL

MAYR, A., and THEIN, P.
Problems in controlling foot-and-mouth disease by vaccination.
World Anim. Rev. No. 3:10-13, 1972. PIL

MURPHY, F.A., and others.*
Pathogenesis of Ross River virus infection in mice. II. Muscle, heart, and brown fat lesions.
J. Infect. Dis. 127(2):129-138, 1973.
*W.P. Taylor, C.A. Mims, and I.D. Marshall. PIL

PAPPOUS, C., and others.*
Trials of foot-and-mouth disease vaccine and potency tests in goats.
Bull. Hell. Vet. Med. Soc. 23(3):159-175, 1972(Greek).
Foot and Mouth Dis. Bull.(Wellcome Res. Labs.,Kent) 12(2):23(73/28), 1973. SF 793 W4 &
*D. Brovas, J. Karavalakis, and P. Stouraitis. #6340

FOOT-AND-MOUTH DISEASE

PUSTIGLIONE NETTO, L., and OLIVEIRA, D.
Ocorrencia da febre aftosa no Estado de Sao Paulo, no terceiro quadrimestre de 1971. [Outbreaks of foot and mouth disease in the State of Sao Paulo in the third quarter of 1971.]
Biologico (Sao Paulo) 38(5):153-155, 1972 (Port.).
Foot and Mouth Dis. Bull. (Wellcome Res. Labs., Kent) 12(1):17, 1973. SF 793 W4

RICE, J.M., and others.*
Oncogenic water-soluble polycations. I. Induction of sarcomas in mice by diethylaminoethyl-dextran.
J. Natl. Cancer Inst. 50(2):387-401, 1973.
*J.K. Davidson, R.M. Madison, E.W. Kingsbury, and W. Turner. PIL

SHARMA, N.C., and SANE, C.R.
Semen picture in Holstein, Jersey and Murrah bulls affected with foot-and-mouth disease in India: a note.
Indian J. Anim. Sci. 42(6):415, 1972. PIL

STOTT, E.J., and KILLINGTON, R.A.
The polypeptides of three rhinoviruses.
J. Gen. Virol. 18(1):65-68, 1973. PIL

USTENKO, V.S.
Veterinary treatment of animals at a locus of foot and mouth disease.
Tr. Vses. Nauchno-Issled. Inst. Vet. Sanit. 32:437-444, 1969 (Russ.).
Chem. Abstr. 78(7):122(39123c), 1973. PIL

VALETTE, L.R., and others.*
Multiple vaccine for simultaneous immunization against hoof-and-mouth disease, brucellosis, and possible rabies.
Ger. 1,960,713 (Cl. A 61k), 21 Sep. 1972, Lux. Appl. 57,465,04 Dec. 1968, 4 p.
Chem. Abstr. 78(7):331(41469p), 1973.
*J. Fontaine, H.G. Petermann, and J. Terre. PIL

WHITE, E.G.
Swill and animal disease.
Vet. Rec. 91(27):685-686, 1972. PIL

FOWL PLAGUE

BECHT, H., and ROTT, R.
Purification of influenza virus hemagglutinin by affinity chromatography.
Med. Microbiol. Immunol. 158(2):67-70, 1972. PIL

FOWL PLAGUE

GERMANOV, A.B., and others.*
Some biological and physico-chemical properties of plaque mutants of fowl plague virus. Brief report.
Arch. Gesamte Virusforsch. 39(4):389-392, 1972.
*M.I. Sokolov, I.A. Myasnikova, N.A. Parasiuk, T.V. Vorontsova, and G.V. Kornilaeva. PIL

HEIDEL, G.
Zur Chemoprophylaxe und-therapie von Viruserkrankungen. [Concerning chemoprophylaxis and therapy of virus diseases.]
Z. Gesamte Hyg. Grenzgeb. 18(2):124-130, 1972 (Ger., with Russ. summ.). PIL &
Biol. Abstr. 54(11):5756(59201), 1972. #6420

KILBOURNE, E.D., BUTLER, W.T., and ROSSEN, R.D.
Specific immunity in influenza--Summary of Influenza Workshop III. Held at the University of Washington Continuing Education Center, Lake Wilderness near Seattle, May 22-23, 1972.
J. Infect. Dis. 127(2):220-236, 1973. PIL

PORTNER, A., and BUSSELL, R.H.
Measles virus ribonucleic acid and protein synthesis: effects of 6-azauridine and cycloheximide on viral replication.
J. Virol. 11(1):46-53, 1973. PIL

LUMPY SKIN DISEASE

STEWART, G.H.
Dermatophilosis: a skin disease of animals and man. Part II.
Vet. Rec. 91(23):555-561, 1972. PIL

RINDERPEST

RAMACHANDRAN, S., and SCOTT, G.R.
The detection of rinderpest antibodies in the sera of Indian cattle and buffaloes by the measles haemagglutination-inhibition test.
Indian Vet. J. 49(10):1060-1062, 1972. PIL

SHEEP POX

KHAN, M.A.
A note on the use of aluminium hydroxide gel adsorbed sheep pox vaccine in infected and uninfected flocks.
Indian Vet. J. 49(11):1159-1162, 1972. PIL

SHEEP POX

SEN, A.K., and UPPAL, P.K.
Adaptation of sheep-pox virus in embryonated eggs.
Indian J. Anim. Sci. 42(6):427, 1972. PIL

VENEZUELAN EQUINE ENCEPHALOMYELITIS

JOCHIM, M.M., BARBER, T.L., and LUEDKE, A.J.
Venezuelan equine encephalomyelitis: antibody response in vaccinated horses and resistance to infection with virulent virus.
J. Am. Vet. Med. Assoc. 162(4):280-283, 1973. PIL

LEONT'EVA, N.A., and others.*
Comparative study of the action of styrylquinolines on the reproduction of some group A arboviruses in cell culture.
Vopr. Med. Virusol. (12):235-237, 1971 (Russ.).
Chem. Abstr. 78(7):70(38511r), 1973.
*A.N. Fomina, Z.V. Idrisova, L.N. Yakhontov, A.K. Shubladze, and G.A. Galegov. PIL

LORD, R.D., and others.*
Ecological investigations of vertebrate hosts of Venezuelan equine encephalomyelitis virus in south Florida.
Am. J. Trop. Med. Hyg. 22(1):116-123, 1973.
*C.H. Calisher, W.D. Sudia, and T.H. Work. PIL

PINKOVSKY, D.D.
United States Air Force aerial spray activities in operation combat VEE.
Mosq. News 32(3):332-334, 1972.
Bibliogr. Agric. 37(1):137(008109), 1973. PIL

VESICULAR STOMATITIS VIRUS

ARSTILA, P.
Hemagglutinating defective T particle of vesicular stomatitis virus.
Scand. J. Clin. Lab. Invest., Suppl. 27(116): 86, 1971.
Biores. Index 8(12):2264(97980), 1972. PIL

BOUSQUET, C., and others.*
Caracterisation de l'interferon produit chez la souris infectee par Brucella melitensis.
[Characterization of the interferon induced in mice following infection with Brucella melitensis.]
English summary.
Ann. Microbiol. (Inst. Pasteur) 124 A(1):71-82, 1973.
*M. Ramuz, J.C. Serre, and J. Roux. PIL

VESICULAR STOMATITIS VIRUS

CHANY, C., and others.*
Mechanism of interferon uptake in parental and somatic monkey-mouse hybrid cells.
Proc. Natl. Acad. Sci. U.S.A. 70(2):557-561, 1973.
*A. Gregoire, M. Vignal, J. Lemaitre-Moncuit, P. Brown, F. Besancon, H. Suarez, and R. Cassingena. PIL

DAHL, H., and DEGRE, M.
A micro assay for mouse and human interferon.
Acta Pathol. Microbiol. Scand., Sect. B: Microbiol. Immunol. 80B(6):863-870, 1972. PIL

DENNIS, A.J., and others.*
Interferon induction in normal and leukemic human lymphocyte cultures by tilorone hydrochloride.
Proc. Soc. Exp. Biol. Med. 141(3):782-785, 1972.
*H.E. Wilson, A.D. Barker, and M.S. Rheins. PIL

EUSTATIA, J.M , and others.*
Viral replication in mouse macrophages.
Arch. Gesamte Virusforsch. 39(4):376-380, 1972.
*E. Maase, P. Van Helden, and J. Van Der Veen. PIL

EVERMANN, J.F., and TRUEBLOOD, M.S.
Characteristics of a paramyxovirus isolated from an aborted bovine fetus.
Cornell Vet. 63(1):17-28, 1973. PIL

FLAMAND, A.
Genetical behaviour of vesicular stomatitis virus during successive passages at high and low temperatures.
Mutat. Res. 17(2):177-184, 1973. PIL

GENTY, N., and BERREUR, P.
Metabolisme des acides ribonucleiques et des proteines de cellules d'embryon de poulet infectees par le virus de la stomatite vesiculaire: etude des effets de mutants thermosensibles. [Ribonucleic acid and protein metabolism following infection of chick embryo cells with vesicular stomatitis virus: studies with thermosensitive mutants.]
English summary.
Ann. Microbiol. (Inst. Pasteur) 124 A(1):133-145, 1973. PIL

HELLMANN, W., and KOHLHAGE, H.
Effects of splenectomy on production of virus induced interferon in rabbits.
Nat. New Biol. (Lond.) 241(112):239-240, 1973. PIL

HELLMANN, W., and KOHLHAGE, H.
Role of spleen in production of virus induced interferon in rabbits. Brief report.
Arch. Gesamte Virusforsch. 39(4):396-400, 1972. PIL

VESICULAR STOMATITIS VIRUS

KANADY, M.J., and SMITH, W.R.
Variations in the interferogenic responses of two strains of mice.
Proc. Soc. Exp. Biol. Med. 141(3):794-797, 1972. PIL

KILEY, M.P.
Ribonucleic acid species of vesicular stomatitis virus. --Thesis, 163 p., 1972 (Engl.).
Diss. Abstr. Int. B Sci. Eng. 33(2):791-792, 1972.
Chem. Abstr. 78(5):216(26161p), 1973. PIL

KLEINMAN, L.F., and others.*
Herpes simplex virus replication in human lymphocyte cultures stimulated with phytomitogens and anti-lymphocyte globulin.
Proc. Soc. Exp. Biol. Med. 141(3):1095-1099, 1972.
*S. Kibrick, F. Ennis, and P. Polgar. PIL

LAMPSON, G.P., and others.*
The effect of altering the size of poly C on the toxicity and antigenicity of poly I:C.
Proc. Soc. Exp. Biol. Med. 141(3):1068-1072, 1972.
*M.M. Nemes, A. Kirk Field, A.A. Tytell, and M.R. Hilleman. PIL

SALVIN, S.B., YOUNGNER, J.S., and LEDERER, W.H.
Migration inhibitory factor and interferon in the circulation of mice with delayed hypersensitivity.
Infect. Immun. 7(1):68-75, 1973. PIL

SETTNES, O.P.
Some characteristics of the A antigen in Marek's disease virus— infected cell cultures.
Acta Pathol. Microbiol. Scand., Sect. B: Microbiol. Immunol. 80B(6):817-822, 1972. PIL

SHAYEGANI, M., and MUDD, S.
Lack of detectable circulating interferon in mice protected against vaccinia virus by induction and elicitation with bacterial systems.
Infect. Immun. 7(1):117-118, 1973. PIL

SOLOV'EV, V.D., and KHESIN, Ya. E.
Khronicheskaya infektsiya i protivovirusnyi immunitet kletok. [Chronic infestion and antiviral immunity of cells.]
Vestn. Akad. Med. Nauk SSSR 25(10):20-31, 1970 (Russ., with Engl. summ.).
Biol. Abstr. 54(11):5897-5898(60568), 1972. PIL

UEDA, M.
Temperature-sensitive mutants of influenza virus. Isolation and preliminary characterization.
Arch. Gesamte Virusforsch. 39(4):360-368, 1972. PIL

VESICULAR STOMATITIS VIRUS

WALLEN, W.C., DEAN, J.H., and LUCAS, D.O.
Interferon and the cellular immune response: separation of interferon-producing cells from DNA-synthetic cells.
Cell. Immunol. 6(1):110-122, 1973. PIL

WARE, B.R., and others.*
Molecular weights of vesicular stomatitis virus and its defective particles by laser light-scattering spectroscopy.
J. Virol. 11(1):141-145, 1973.
*T. Raj, W.H. Flygare, J.A. Lesnaw, and M.E. Reichmann. PIL

VISNA DISEASE

CARTER, M.F., BISWAL, N., and RAWLS, W.E.
Characterization of nucleic acid of Pichinde virus.
J. Virol. 11(1):61-68, 1973. PIL

MacINTYRE, E.H., WINTERSGILL, C.J., and THORMAR, H.
Transformation and complete virus production in human astrocytes infected with visna virus.
Biophys. Soc. Abstr., 16th Annu. Meet., Toronto, Canada, p. 111a(SaAM-D3), 1972. (Bound with: Biophys. J., Vol. 12, 1972.) PIL

TAKEMOTO, K.K., and others.*
Comparative studies on visna, progressive pneumonia, and Rous sarcoma viruses by electron microscopy.
J. Natl. Cancer Inst. 50(2):543-547, 1973.
*T. Aoki, C. Garon, and M.M. Sturm. PIL

MISCELLANEOUS

BAST, T.F., WHITNEY, E., and BENACH, J.L.
Considerations on the ecology of several arboviruses in Eastern Long Island.
Am. J. Trop. Med. Hyg. 22(1):109-115, 1973. PIL

BRAUN, W., and LEVY, H.B.
Interferon preparations as modifiers of immune responses.
Proc. Soc. Exp. Biol. Med. 141(3):769-773, 1972. PIL

CHERRY, J.D.
Hand, foot, and mouth disease.
Lancet I(7798):328-329, 1973. PIL

JENIS, E.H., and others.*
Subacute sclerosing panencephalitis; immunoultrastructural localization of measles-virus antigen.
Arch. Pathol. 95(2):81-89, 1973.
*M.R. Knieser, P.A. Rothouse, G.E. Jensen, and R.M. Scott. PIL

SJÖSTRÖM, M., THORNELL, L.-E., and HELLSTRÖM, S.
An efficient standardized method of staining thin sections for electron microscopy.
J. Ultrastruct. Res. 42(1-2):180-185, 1973. PIL