DESIGNATION OF TYPES OF VIRUS TAXA, II.

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Since the publication of the previous list (Barkley. Int. Bull. Bact. Nomen. Tax. 8:117-130. 1958.) some additional material has come to hand which should be indicated. Further some corrections need to be made. The author is grateful to Dr. F.O. Holmes and to Mr. J. Cohn for pointing out some of the errors and ambiguities in the original paper.

The writer recently received a reprint of the article¹ by Zhdanov and Korenblit (Zhdanov and Korenblit, Zhurnal Microb. Epid. i Immuno-biol. 9:40-44. 1950.). Dr. Zhdanov has stated that the journal was printed and distributed in Russia. While there may be some question as to whether this constitutes valid publication, there are no specified repositories necessary for deposit of newly published names of viruses. The descriptions of these consist only of their common names in Russian, quite in contrast with the full characterization given by Zhdanov in his later publications (Zhdanov. Opred. Virusov. Chelov. i Zhivot. 348 pages. Moscow. 1953; Shdanow. Viren. 279 pages. Jena. 1957.). The present writer would consider a virus as having been described, if that virus may be identified from its description, however brief the description may be. (No one has proposed a realistic specification for the description of viruses; information on size, growth in embryonated eggs or in experimental animals, Latin descriptions, type cultures, electron photomicrographs, and experimental infections is desirable, but not always possible.)

Since the list originally published (Barkley, loc. cit. 1958.) includes only those names listed in Zhdanov and Korenblit (1950) as cited by Zhdanov (1953), some additional names published in 1950 but not cited by Zhdanov must be added.

Pagination corrections in the author's original list, with reference to the Ryzhkov publication of 1952 (Microbio-

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¹This separate of the publication is now deposited in the Library of Congress in Washington.

logiya 21:458-476.) are to be entered as follows: Page 466, Piesmaphilaceae, Quanjeriaceae, Piesmaphilus and Quanjeria; page 465, Aphidophilaceae and Aphidophilus. The entry Cycadinaefilaceae should be deleted.

The other corrections and additions are better treated as complete entries for each name, as indicated below. (The entries which should replace those in the earlier list are indicated by an asterisk.)

For completeness, and to avoid ambiguity, the work of Sh. D. Mochkovsky is included (Ch. D. Mochkovski.¹ Uspekhi sovremennoi biologii 19:1-44. 1945.), although the types for the entities listed therein, have for the most part, appeared in many works published subsequently.

Dr. Philip (C.B. Philip. Can. J. Microb. 2:261-270. 1956.) has designated types for most of the Rickettsiaceae taxa referred to by Zhdanov and Korenblit and by Zhdanov.

DESIGNATION OF TYPES FOR CERTAIN SUPRAGENERIC TAXA OF VIRUSES

Acarinophilaceae Ryzhkov, 1952 p. 466. Type genus:

Acarinophilus Ryzhkov

*Arthropodophilae Ryzhkov, 1950 pp. 14, 15. Type order:

Pantropales Ryzhkov (Page 16 as Arthrodophilaceae)

Bartonellaceae Mochkov., 1945 p. 18. Type genus, monotype: Bartonella Strong, Tyzzer, et al.

*Beijerinckiales Ryzhkov, 1952 p. 465. Type family:

Crystallococcaceae Ryzhkov

Chlamydozoa Mochkov., 1945 p. 18. Type family:

Chlamydozoaceae "Prowazek" ex Mochkov., 1945 p. 18.

Chlamydozoaceae Mochkov., 1945 p. 18. Type genus; monotype: Chlamydozoon "Prowazek" ex Mochkov.

Chlamydozoaceae Mochkov. ex Zhd. and K., 1950 p. 42 ex Zhd., 1953 p. 174. Type genus: Chlamydozoon Mochkov.

Cytoryctaceae Mochkov., 1945 p. 18. Type genus:

Cytoryctes Guarneiri

¹ The transliteration of Mochkovski as used here is the one used by that author himself (Mochkovski. 1945 p. 18).

BACTERIOLOGICAL NOMENCLATURE AND TAXONOMY

- Ehrlichaceae Mochkov., 1945 p. 18. Type genus:
Ehrlichia Mochkov.
- *Flagellophoraceae Ryzhkov, 1950 p. 19. Type genus:
Flagellophorus Ryzhkov (as Flageliophoraceae p. 19)
- Haemorrhagogenaceae Zhd. and K., 1950 p. 44. Type
genus: Haemorrhagogenes Zhd. and K. (as Haemorrh-
hagenes p. 44)
- Hepatophilaceae Zhd. and K., 1950 p. 44. Type genus:
Hepatophilus Zhd. and K.
- Ivanovskaja Sukhov, 1956 p. 264. Type class: Gamaleyae
Ryzhkov
- Ivanovskya Ryzhkov, 1950 p. 12. Type class: Gamaleyae
Ryzhkov
- *Latentiaceae Ryzhkov, 1950 p. 18. Type genus: Latentia
Ryzhkov
- *Leptomotropaceae Ryzhkov, 1952 p. 466. Type genus:
Leptomotropus Ryzhkov (as Leptomotropiaceae p. 46.)
- *Leptomotropales Ryzhkov, 1952 p. 466. Type family:
Leptomotropaceae Ryzhkov (as Leptomotropiales p. 466.)
- Macrovinrineae Zhd. and K., 1950 p. 43. Type family:
Strongyloplasmaceae Zhd. and K. non Lipschütz
- Mesovirineae Zhd. and K., 1950 p. 43. Type family:
Pneumophilaceae Zhd. and K.
- Microviraceae Zhd. and K., 1950 p. 44. Type genus,
monotype: Microvirus Zhd. and K.
- Microvirineae Zhd. and K., 1950 p. 44. Type family,
monotype: Microviraceae Zhd. and K.
- *Myelinophagaceae Ryzhkov, 1950 p. 19. Type genus:
Myelinophagus Ryzhkov
- Neuromyophilaceae Zhd., 1953 p. 303. Type genus:
Myelophilus Zhd.
- Neurophilaceae Zhd. and K., 1950 p. 44. Type genus:
Neurophilus Zhd. and K.
- Neuroryctaceae Mochkov., 1945 p. 18. Type genus,
monotype: Neuroryctes Calkins
- *Neurotropaceae Ryzhkov, 1950 p. 17. Type genus:
Neurotropus Ryzhkov (as Neurotropiaceae p. 17)
- *Neurotropales Ryzhkov, 1950 pp. 15, 17. Type family:
Neurotropaceae Ryzhkov (as Neurotropiales pp. 15, 17)
- *Pneumotropaceae Ryzhkov, 1950 p. 18. Type genus:
Pneumotropus Ryzhkov (as Pneumotropiceae p. 18)
- *Pantropaceae Ryzhkov, 1950 p. 16. Type genus:
Pantropus Ryzhkov (as Pantropiaceae p. 16)

- *Pantropales Ryzhkov, 1950 p. 16. Type family:
Pantropaceae Ryzhkov (as Pantropiales p. 16)
Viralia Zhd. and K., 1950 p. 42. Type order:
Protophytovirales Zhd. and K.
Viscerophilaceae Zhd. and K., 1950 p. 44. Type genus:
Viscerophilus Zhd. and K.
Zoovirales Zhd. and K., 1950 p. 42. Type family:
Rickettsiaceae Pinkerton
Zooviralia Zhd., 1953 p. 147. Type order:
Rickettsiales Bengston

DESIGNATIONS OF TYPE SPECIES
 FOR CERTAIN GENERA AND
 SUBGENERA OF THE VIRUSES

- Acarinaphilus Ryzhkov, 1952 p. 466. Type species:
Acarinaphilus antholysatus Ryzhkov
Aëdephilus Ryzhkov, 1952 p. 466. Type species:
Aëdephilus dengue Ryzhkov
Aëgyptionella Carpano ex Mochkovski, 1945 p. 18. Type
 species, monotype: Aëgyptionella pullorum Carpano
Bartonella Strong, Tyzzer et al ex Mochkov., 1945 p. 18.
 Type species, monotype: Bartonella bacilliformis
 Strong, Tyzzer et al.
Borreliota Goodpasture ex Mochkov., 1945 p. 18. Type
 species, monotype: Borreliota avium Goodpasture
Chlamydozoon Mochkov. ex Zhd. and K., 1950 p. 43 ex
 Zhd., 1953 p. 189. Type species: Chlamydozoon
trachomatis Mochkov.
Chlamydozoon "Prowazek" ex Mochkov., 1945 p. 18, sed
non Chlamydozoon Halberstaedter and von Prowazek!
 Type species: Chlamydozoon trachomatis "Prowazek"
 ex Mochkov.
Coxiella Zhd. and K., 1950 p. 42. Type species, mono-
 type: Coxiella diaporica Zhd. and K. (as Cexiella dia-
parica, cf. Philip p. 265)
Coxiella Zhd., 1953 p. 163. Type species, monotype:
Coxiella diaporica Zhd. (cf. Philip p. 265)
 *Crystallococcus Ryzhkov, 1952 p. 465. Type species:
Crystallococcus lycopersici (not C. tabaci, see
 Ryzhkov)

BACTERIOLOGICAL NOMENCLATURE
AND TAXONOMY

- Cytoectes Tyzzer ex Mochkov., 1945 p. 18. Type species, monotype: Cytoectes microti Tyzzer
- Cytoryctes Guarnieri ex Mochkov., 1945 p. 18. Type species: Cytoryctes variolae Guarnieri
- Dermacentroxenus Wolbach ex Mochkov., 1945 p. 18. Type species: Dermacentroxenus rickettsi Wolbach and Todd
- Ehrlichia Mochkov., 1945 p. 18. Type species: Ehrlichia kurlovi Mochkov.
- Ehrlichia subg. Miyagawanella Mochkov., 1945 p. 18. Type species: Ehrlichia (Miyagawanella) lymphogranulomatosi Mauro ex Mochkov. (as Myiagawanella p. 18)
- Eperythrozoon Schilling ex Mochkov., 1945 p. 18. Type species: Eperythrozoon coccoides Schilling
- Grahamella Brumpt ex Mochkov., 1945 p. 18. Type species: Grahamella talpae Brumpt
- Haemorrhagogenes Zhd. and K., 1950 p. 44. Type species: Haemorrhagogenes sibiricus Zhd. and K. (as Haemorrhagenes p. 44)
- *Haemorrhagogenes Zhd., 1953 p. 282. Type species: Haemorrhagogenes sibiricus Zhd. and K. (not H. suis)
- Kurlovia Zhd. and K., 1950 p. 42 ex Zhd., 1953 p. 166. Type species: Kurlovia ruminantium Zhd. and K. (cf. Philip p. 265)
- Kurlovia subg. Cowdria Zhd. and K., 1950 ex Zhd., 1953 p. 166. Type species: Kurlovia (Cowdria) ruminantium Zhd. and K. (cf. Philip p. 265)
- Kurlovia subg. Ehrlichia Zhd. and K., 1950 p. 42 ex Zhd., 1953 p. 167. Type species: Kurlovia (Ehrlichia) canis Zhd. and K. (cf. Philip p. 265)
- *Löffleria Ryzhkov, 1950 p. 16. Type species, monotype: Löffleria bovi Ryzhkov (corrected from L. equi by Ryzhkov 1953 p. 159)²
- *Myelovirus Ryzhkov, 1952 p. 465. Type species: Myelovirus hominis Ryzhkov (not M. Mengo, see Ryzhkov)
- Neuroryctes Calkins ex Zhd. and K., 1950 p. 43. Type species: Neuroryctes rabiei Zhd. and K.
- *Neurotropus Ryzhkov, 1950 p. 16. Type species, monotype: Neurotropus americanus Ryzhkov (not N. hominis)

²Ryzhkov, W. L. Sowjetwissenschaft (Naturwissenschaftliche Abteilung) 6:151-173. 1953.

- *Pantropus Ryzhkov, 1950 p. 16. Type species:
Pantropus tchumakovi Ryzhkov (not P. dengue, see Ryzhkov)
- Photophilus Ryzhkov, 1952 p. 467. Type species:
Photophilus elegans Ryzhkov
- *Piesmaphilus Ryzhkov, 1952 p. 466. Type species:
Piesmaphilus europeus Ryzhkov
- Rickettsia da Rocha-Lima ex Mochkov., 1945 p. 18. Type species: Rickettsia prowazekii da Rocha-Lima
- Rickettsia subg. Acaroxenus Zhd. and K., 1950 p. 42.
 Type species, monotype: Rickettsia (Acaroxenus) varioleidis Zhd. and K. (cf. Philip p. 265)
- Rickettsia subg. Cowdria Mochkov., 1945 p. 18. Type species: Rickettsia (Cowdria) ruminantium (Cowdry) Mochkov.
- Rickettsia subg. Dermacentrexenus Zhd. and K., 1950 p. 42. Type species: Rickettsia (Dermacentrexenus) rickettsi Zhd. and K. (cf. Philip p. 264)
- Rickettsia subg. Gamasoxenus Zhd., 1953 p. 159. Type species, monotype: Rickettsia (Gamasoxenus) muris Zhd. (cf. Philip p. 264)
- Rickettsia subg. Ixodoxenus Zhd., 1953 p. 155. Type species: Rickettsia (Ixodoxenus) rickettsi Zhd. (cf. Philip p. 263)
- Rickettsiaformis Zhd. and K., 1950 p. 43 ex Zhd., 1953 p. 175. Type species: Rickettsiaformis lymphogranulomatis Zhd. and K. (cf. Philip p. 263)
- Strongyloplasma subg. Zoovariola Zhd. and K., 1950 p. 42. Type species: Strongyloplasma (Zoovariola) ovium Zhd. and K.
- Strongyloplasma Lipschütz ex Mochkov., 1945 p. 18.
 Type species, monotype: Strongyloplasma hominis Lipschütz
- Trombidoxenus Zhd. and K., 1950 p. 42 ex Zhd., 1953 p. 160. Type species, monotype: Trombidoxenus orientalis Zhd. and K. (cf. Philip p. 265)
- *Virothrix Ryzhkov, 1950 p. 16. Type species: Virothrix hominis Ryzhkov
- Virothrix Ryzhkov, 1952 p. 465 non Ryzhkov 1950 p. 16.
Virothrix ivanovskii Ryzhkov
- Wolhynia Zhd. and K., 1950 p. 42. Type species: Wolhynia quintanae Zhd. and K. (as Welhynia, cf. Philip p. 265)
- Wolhynia Zhd., 1953 p. 164. Type species: Wolhynia quintanae Zhd. (cf. Philip p. 265)