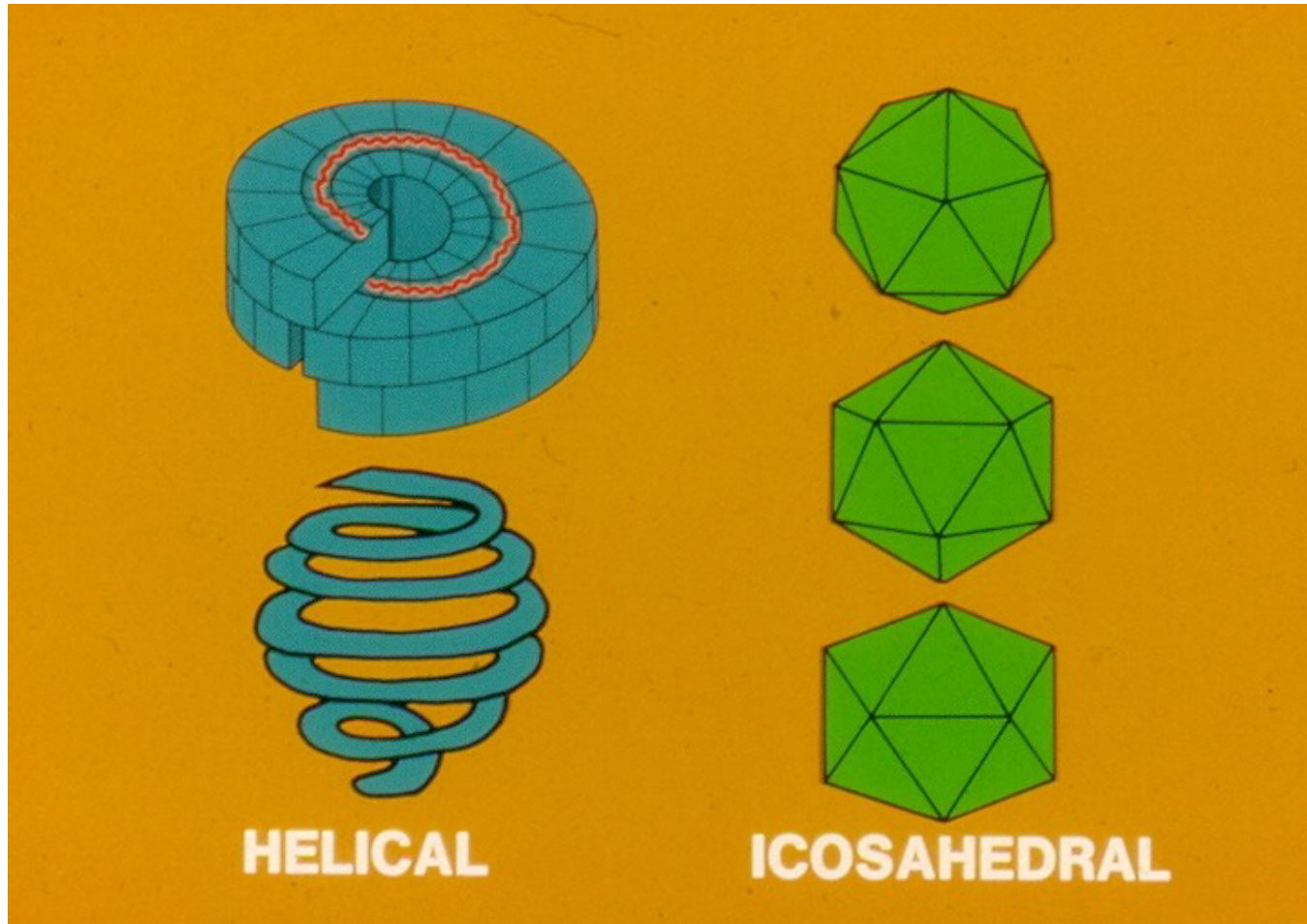


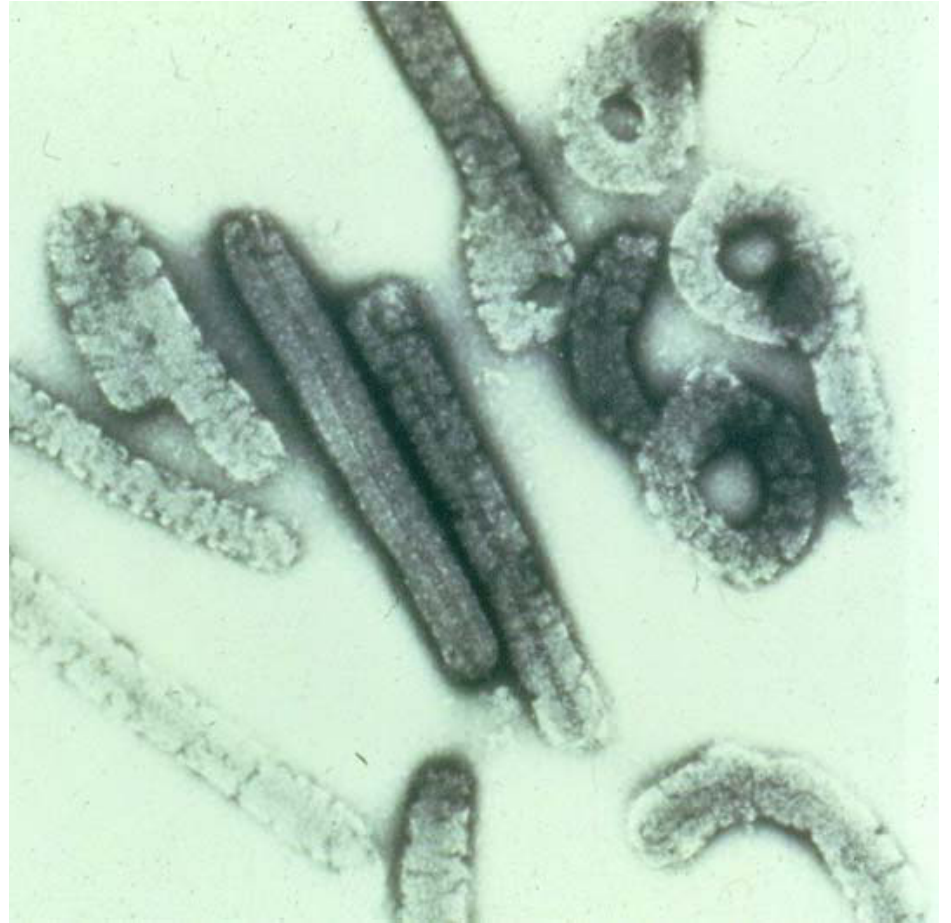
VIROLOGY

Virus Structure

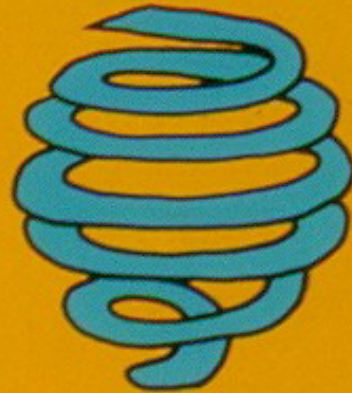
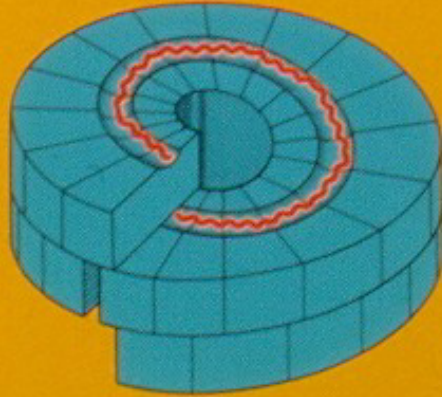
Virus Structure



Virus Structure

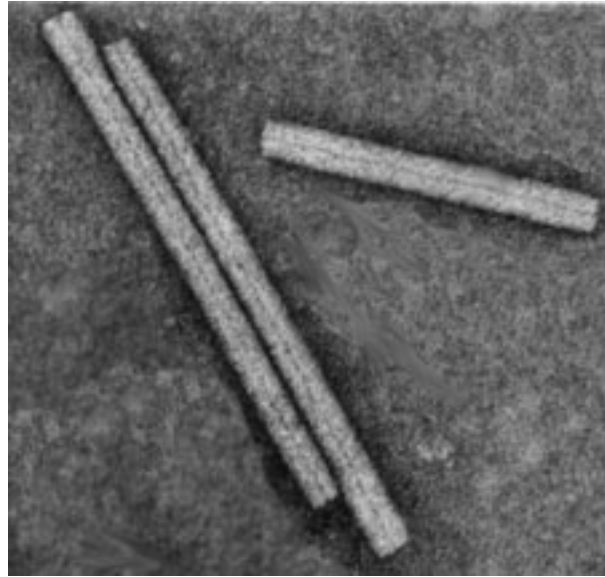
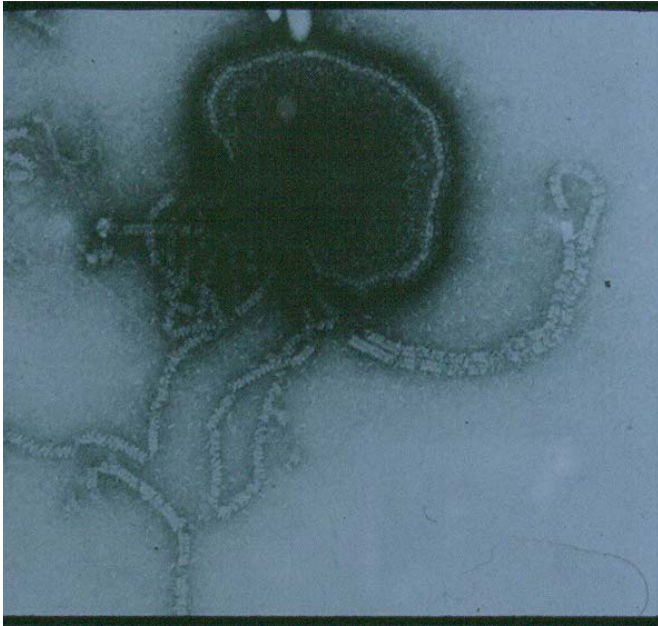


Virus Structure



HELICAL

Virus Structure

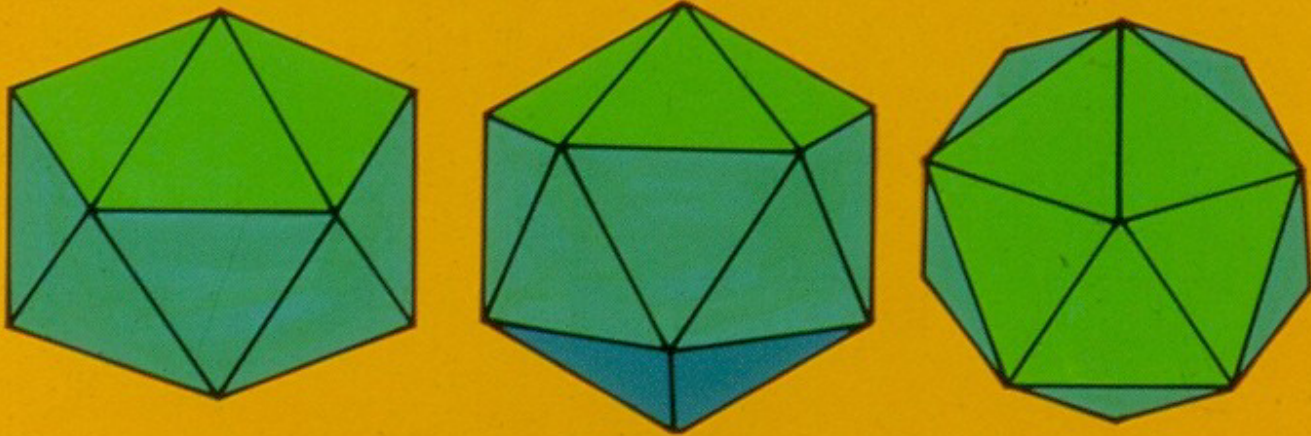


Helical Viruses

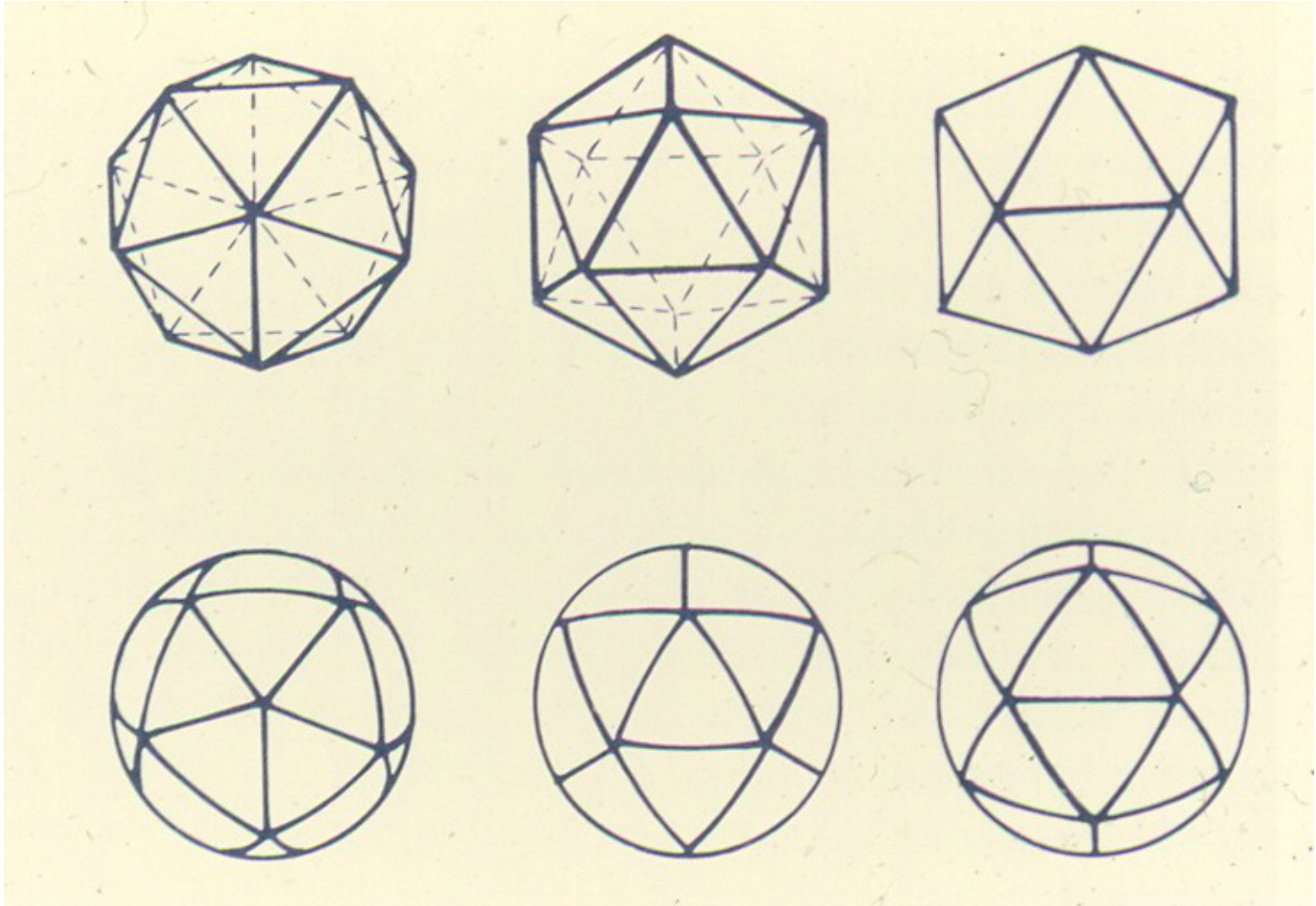


Virus Structure

ICOSAHEDRAL

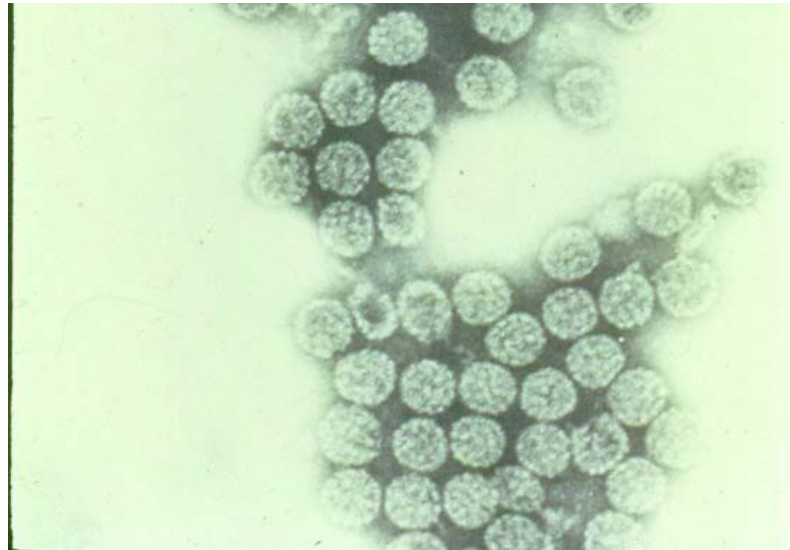
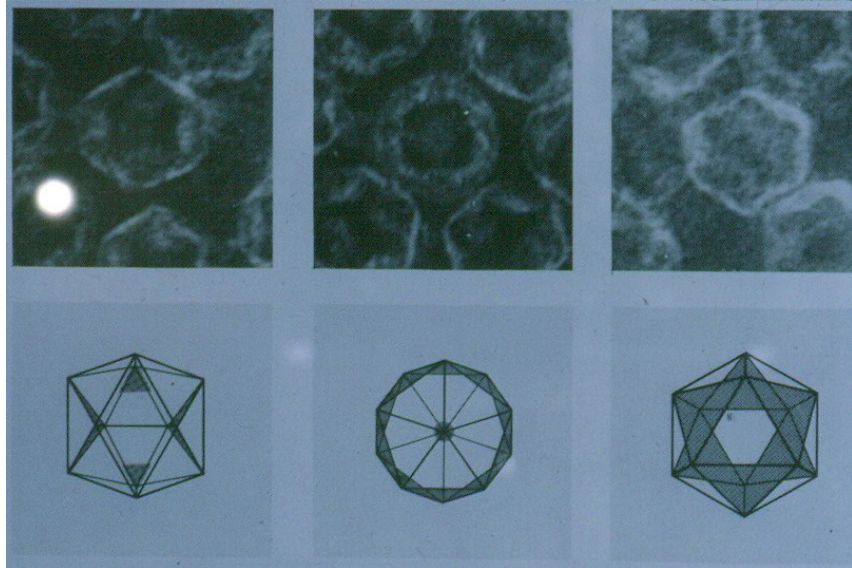
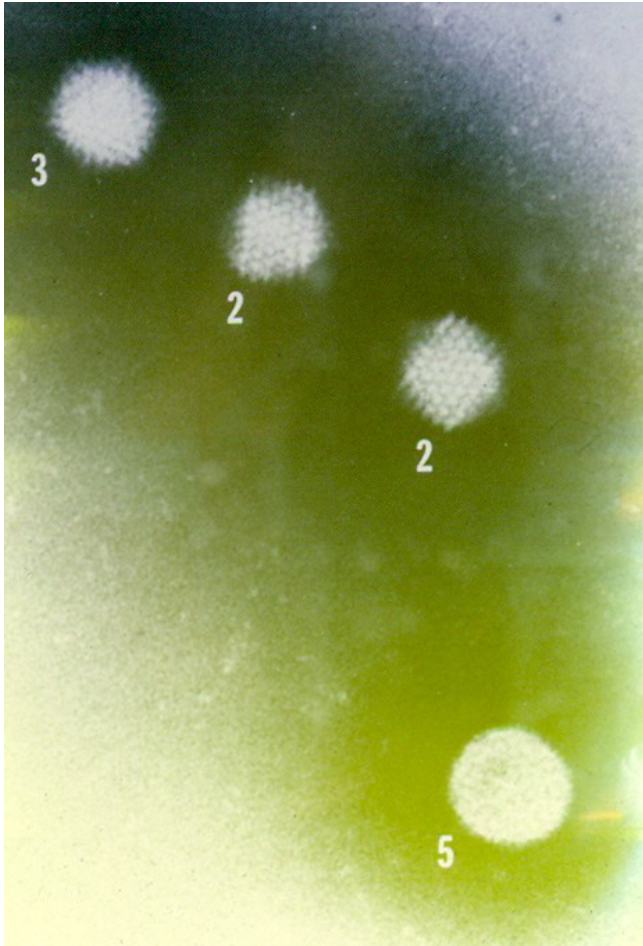


Virus Structure

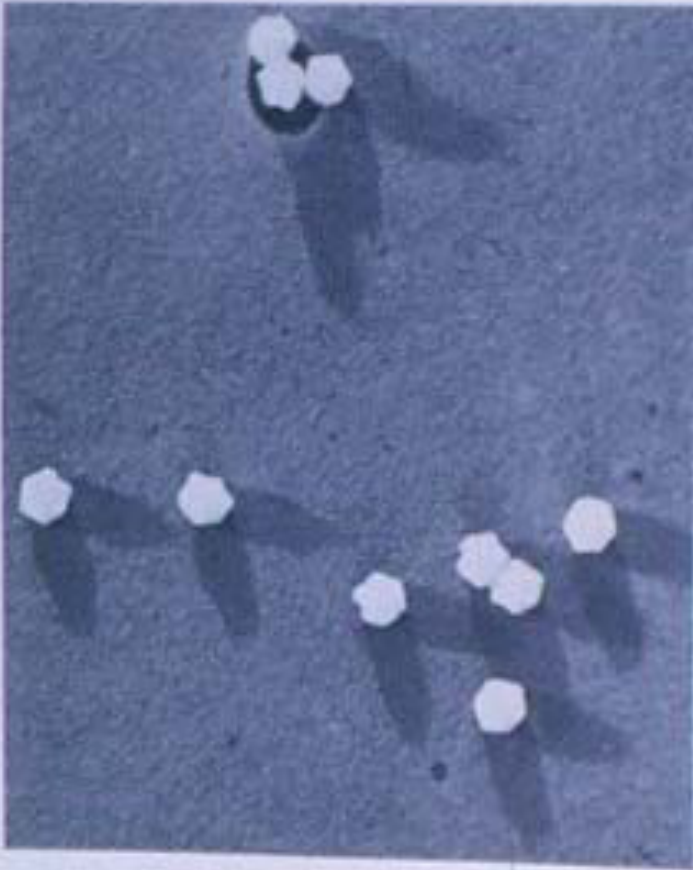


Symmetry: 5 : 3 : 2

Virus Structure



Virus Structure

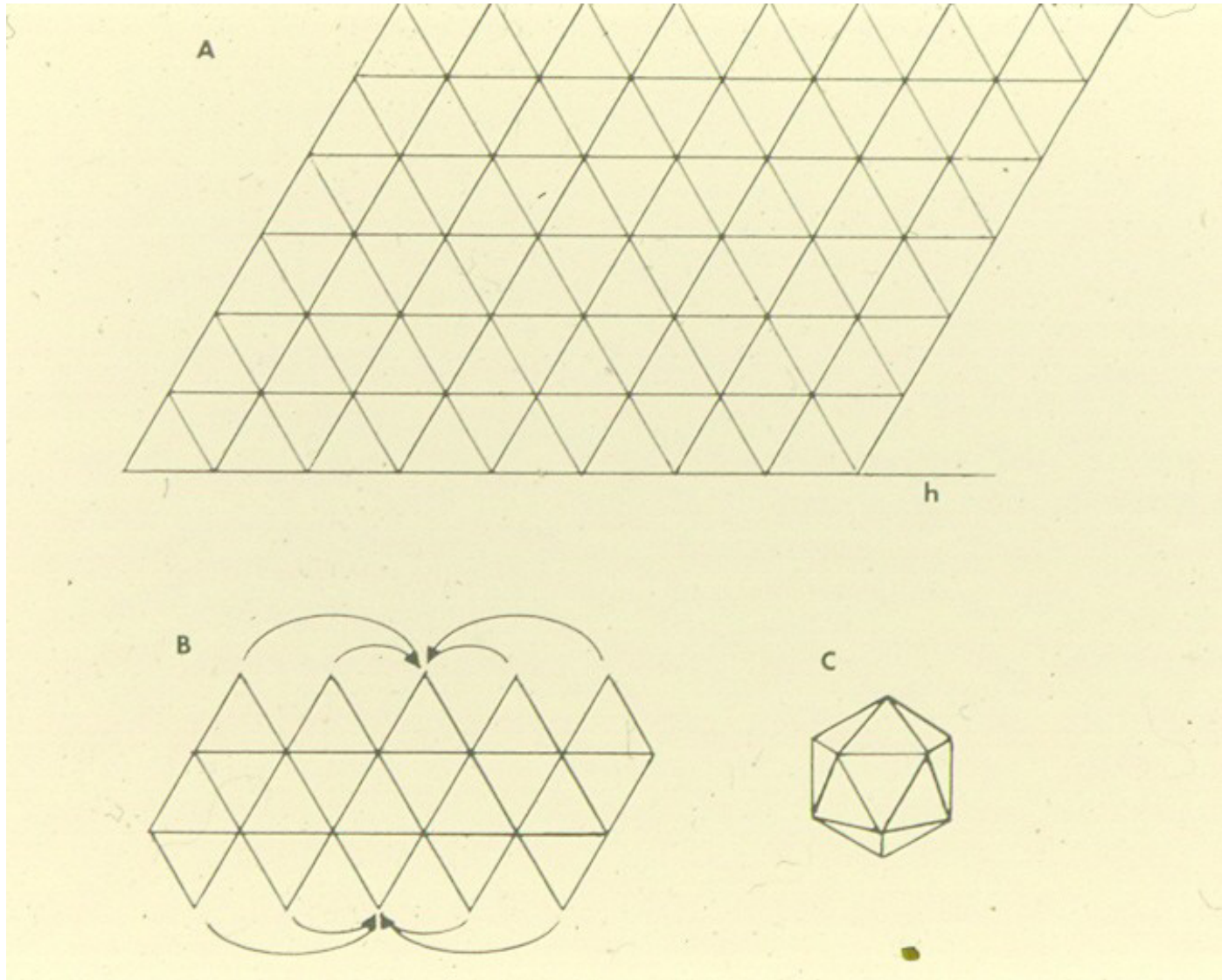


TIPULA IRIDESCENT VIRUS, an insect virus, is so large that its geometrically regular structure shows up clearly when specimens are shadowed with atoms of a heavy metal and enlarged in the electron microscope. In the doubly shadowed micrograph (left) the

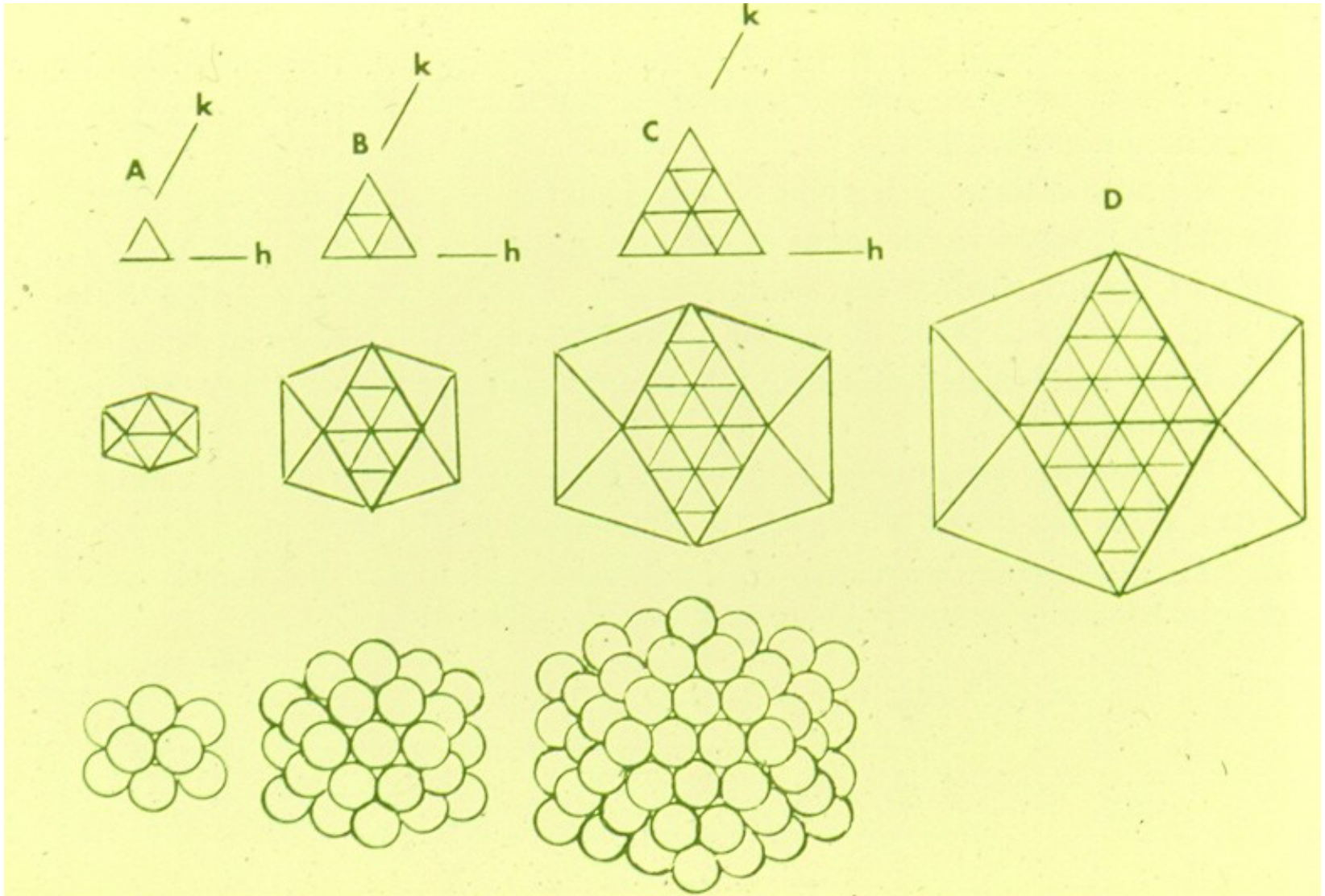


virus particles are enlarged about 50,000 diameters. The shadows indicate that each particle is a regular icosahedron (right). The micrograph was made by Kenneth Smith of the University of Cambridge and Rabley C. Williams of the University of California.

Virus Structure

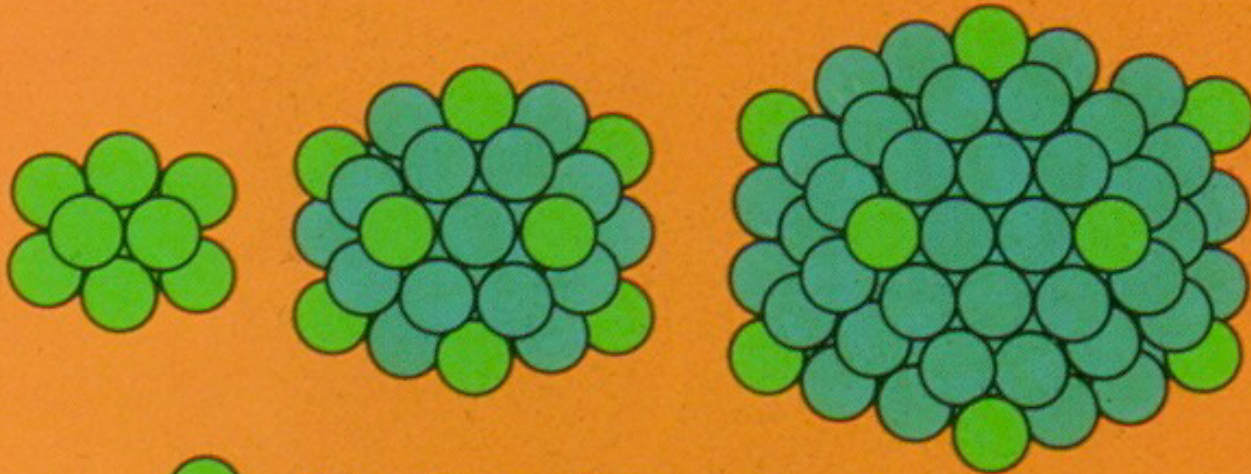




Virus Structure



Virus Structure

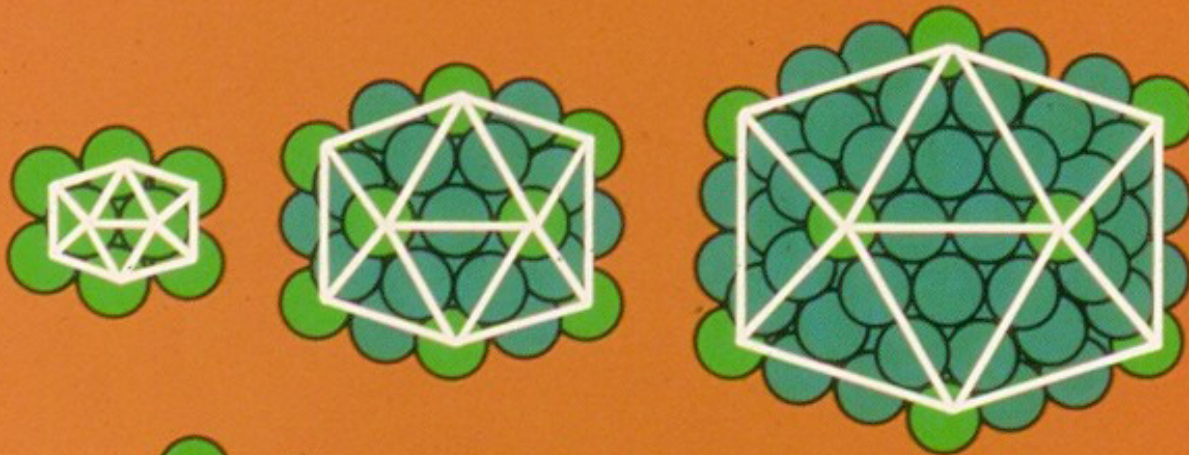
CAPSOMER ARRANGEMENT



-  **Penton, Capsomer**
(Surrounded by 5)
-  **Hexon Capsomer**
(Surrounded by 6)

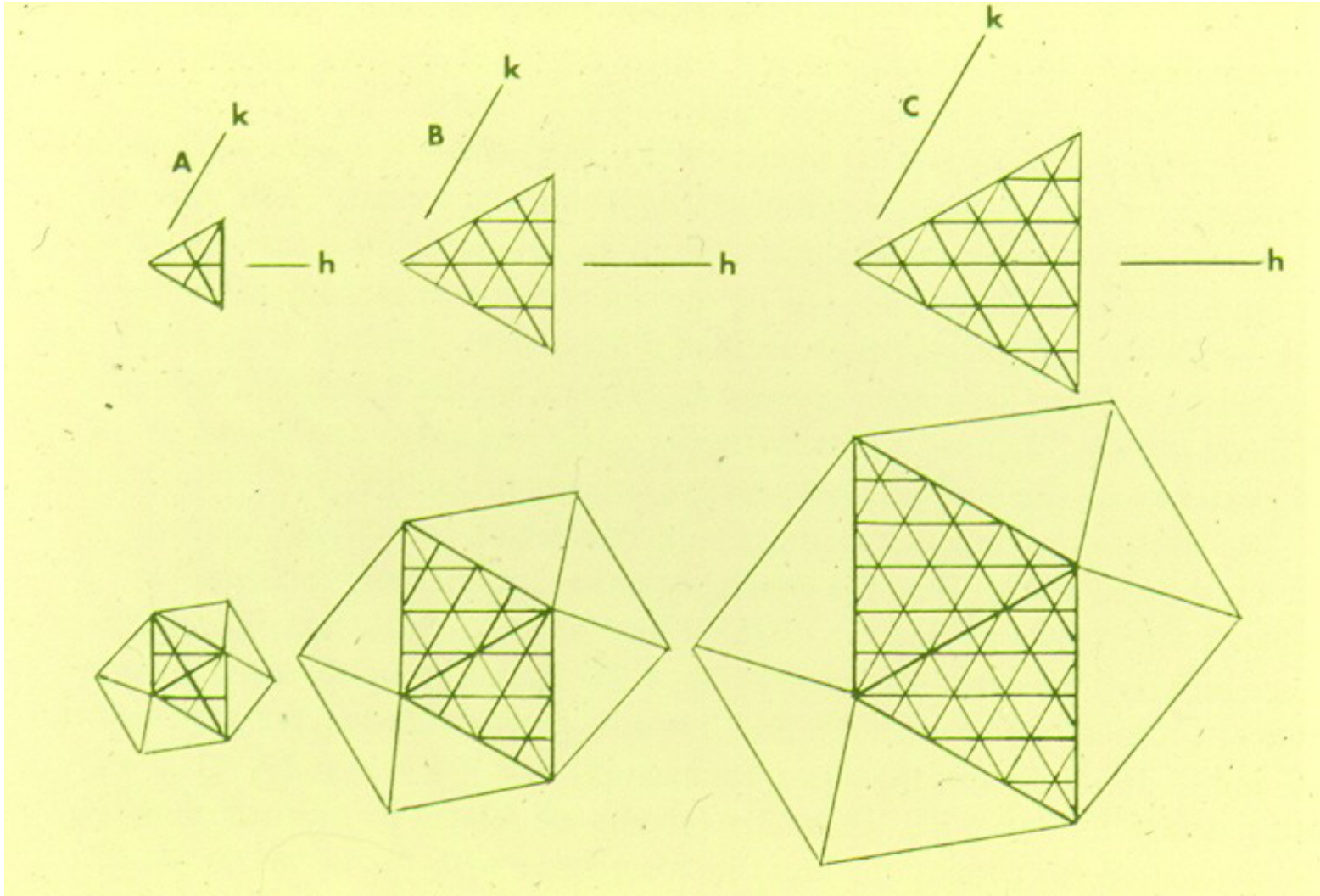
Virus Structure

CAPSOMER ARRANGEMENT



- Penton Capsomer
(Surrounded by 5)
- Hexon Capsomer
(Surrounded by 6)

Virus Structure

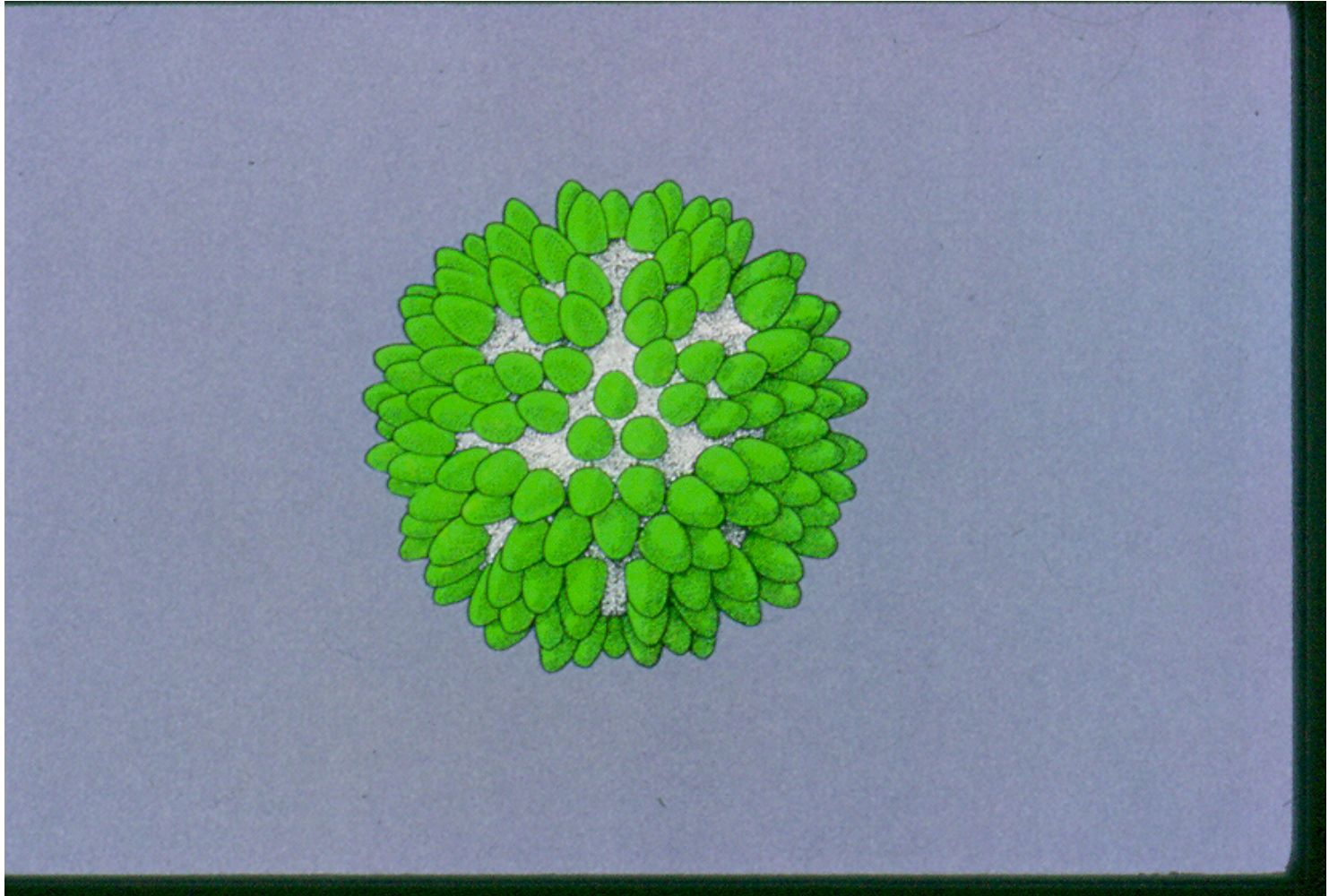


Virus Structure



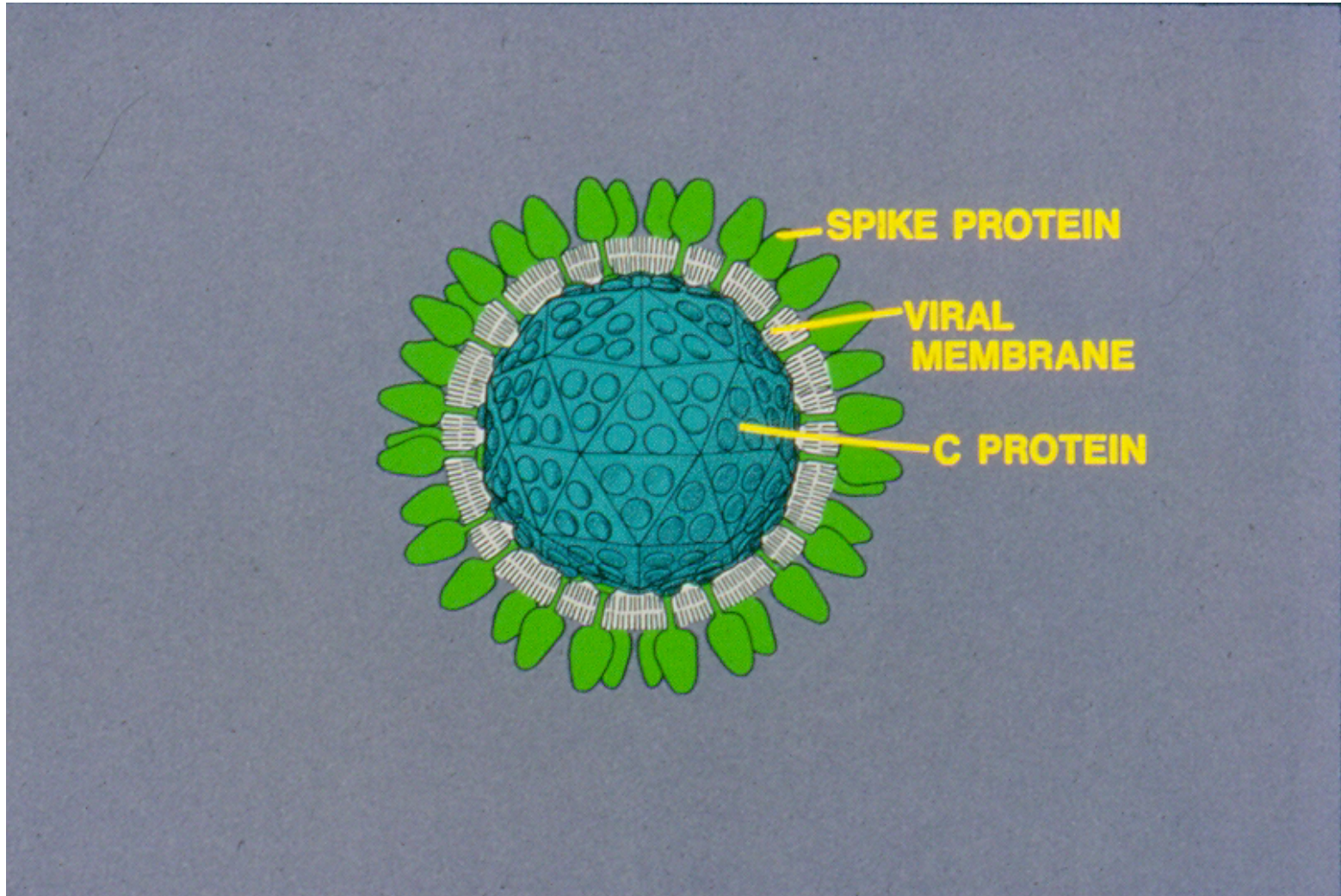
What is this???

Virus Structure



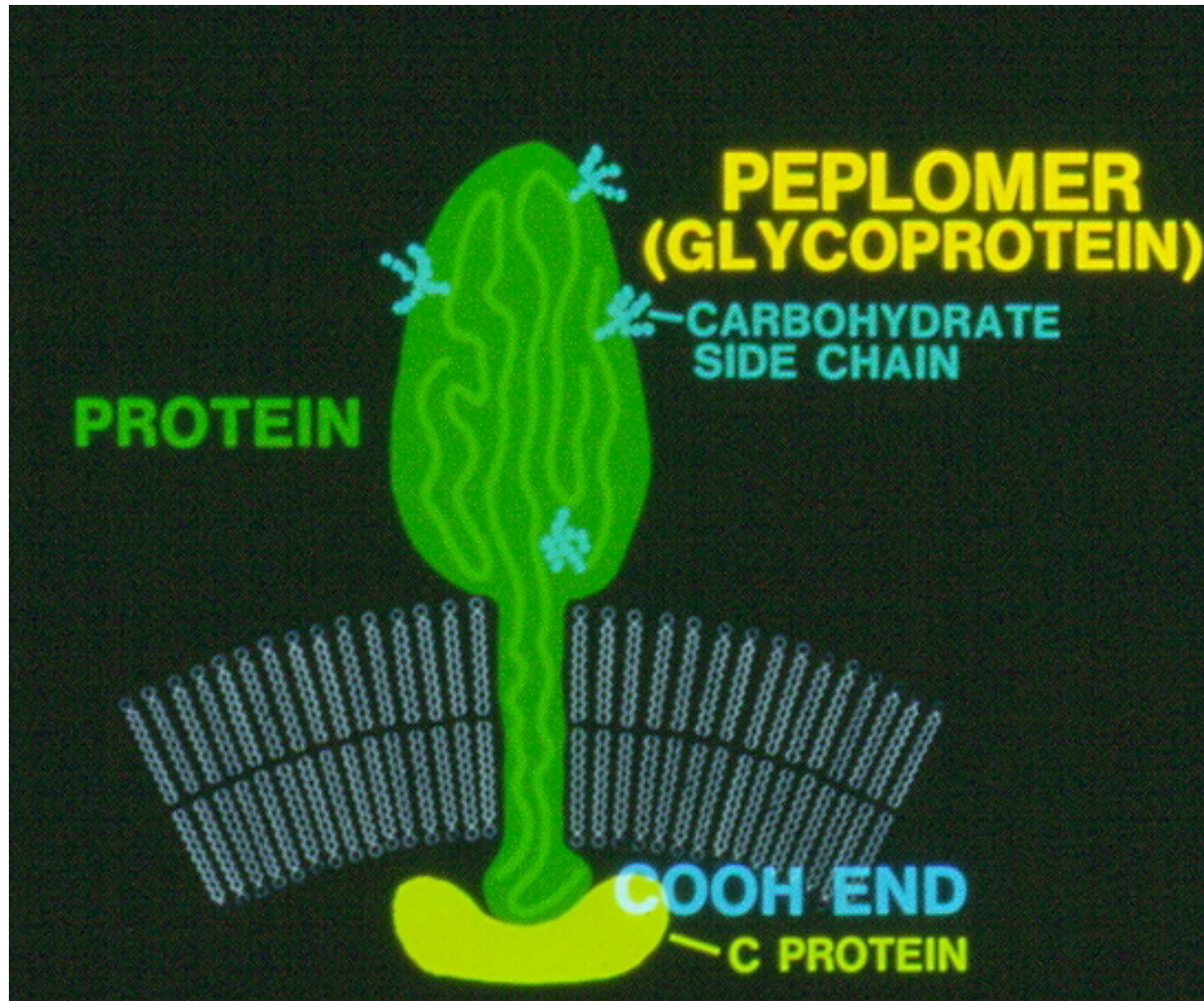
Budding of enveloped viruses

Virus Structure



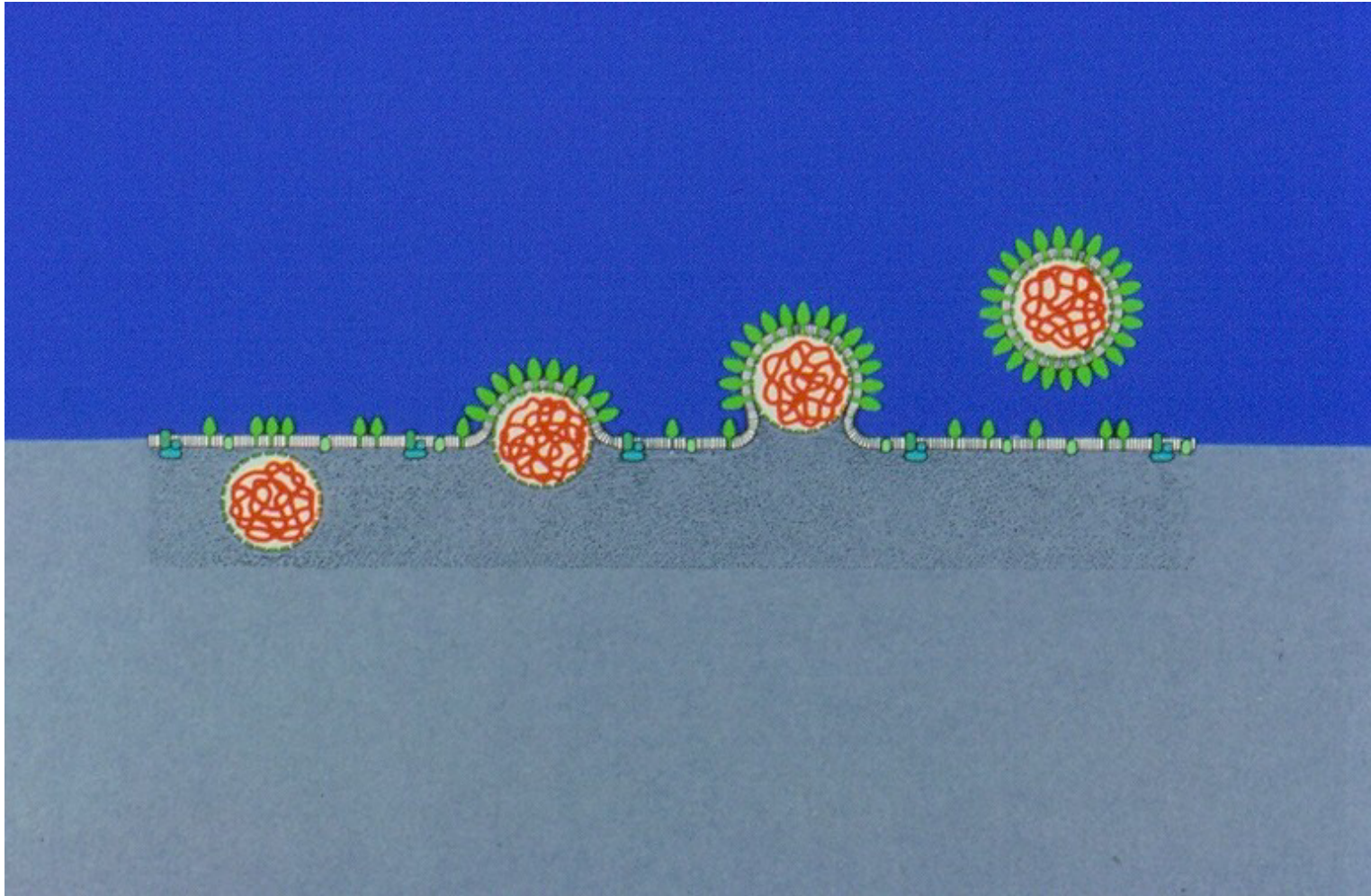
Budding of enveloped viruses

Virus Structure



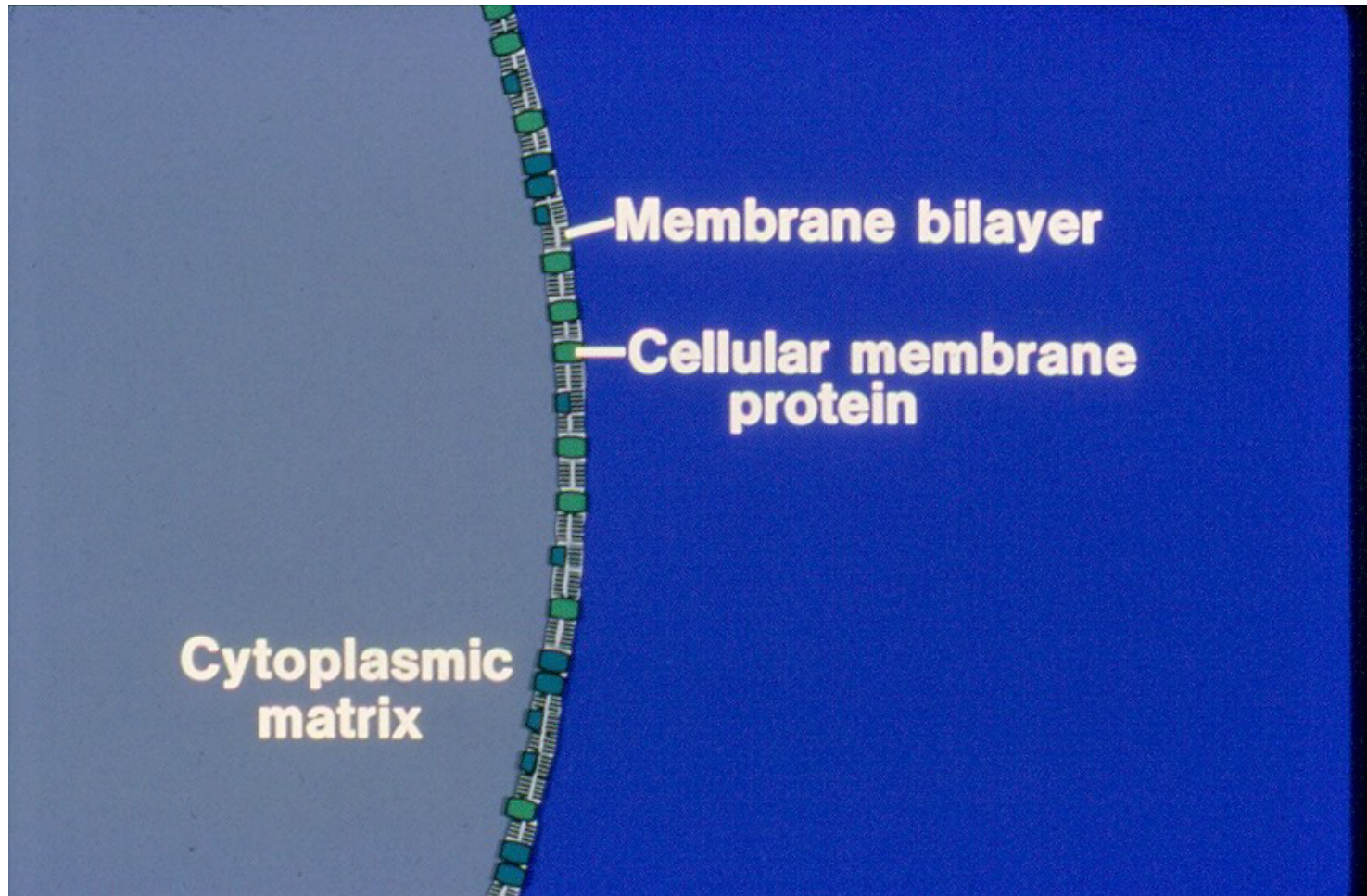
Budding of enveloped viruses

Virus Structure



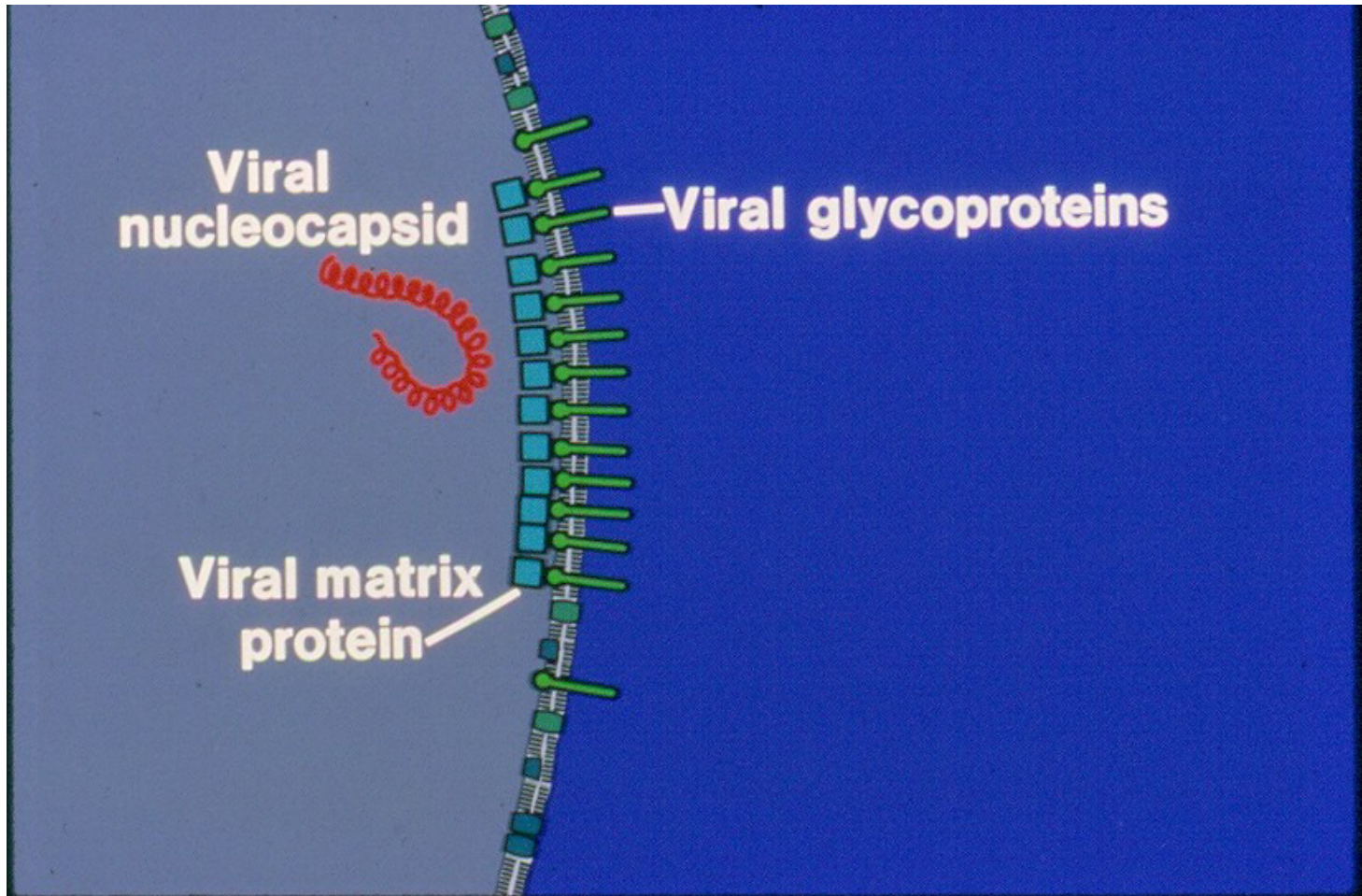
Budding of enveloped viruses

Virus Structure



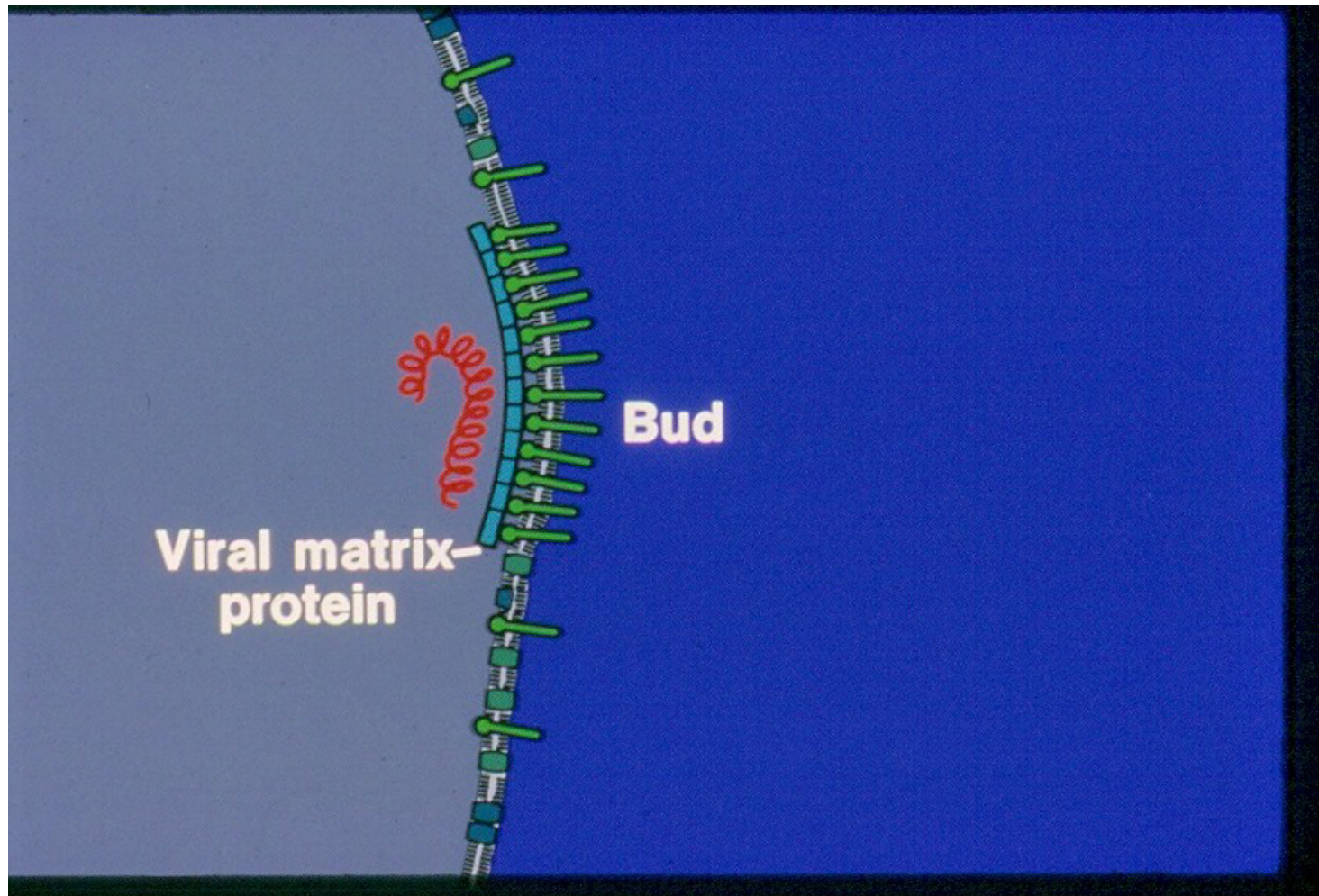
Budding of enveloped viruses

Virus Structure



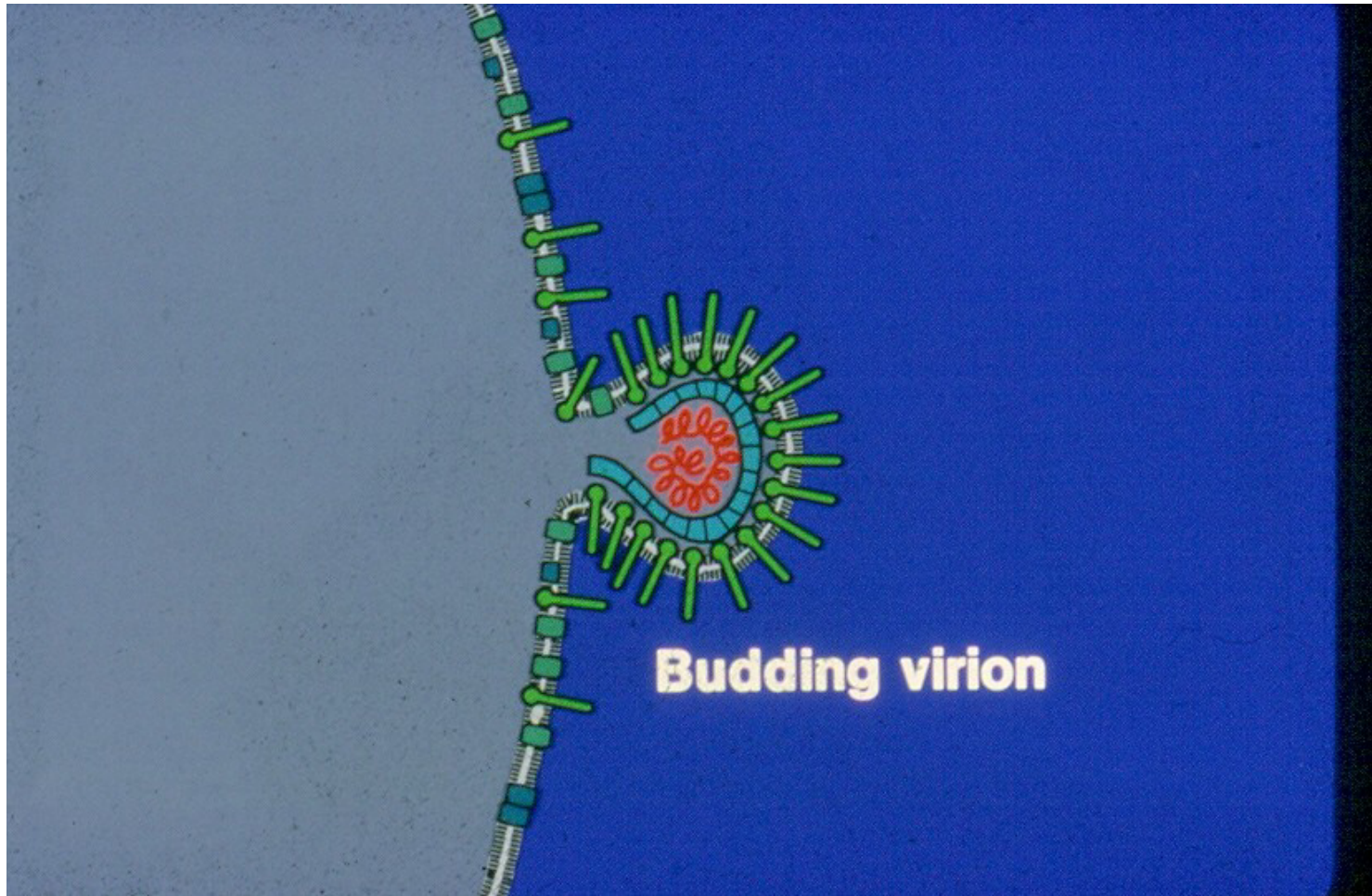
Budding of enveloped viruses

Virus Structure



Budding of enveloped viruses

Virus Structure



Budding of enveloped viruses

Virus Structure



Budding of enveloped viruses

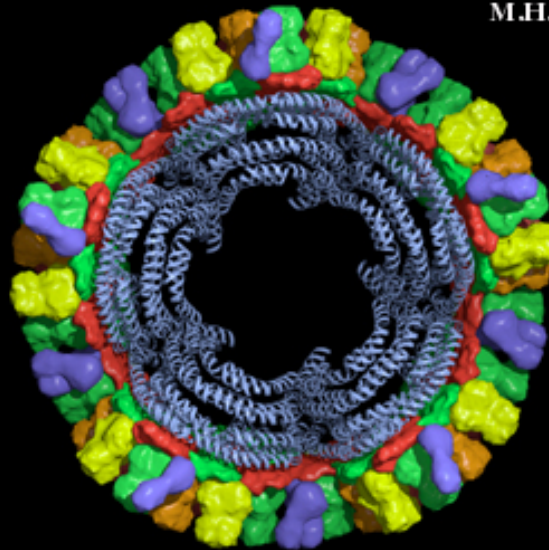
Virus Classification

Virus Taxonomy

Seventh Report of the International Committee
on Taxonomy of Viruses

Edited by

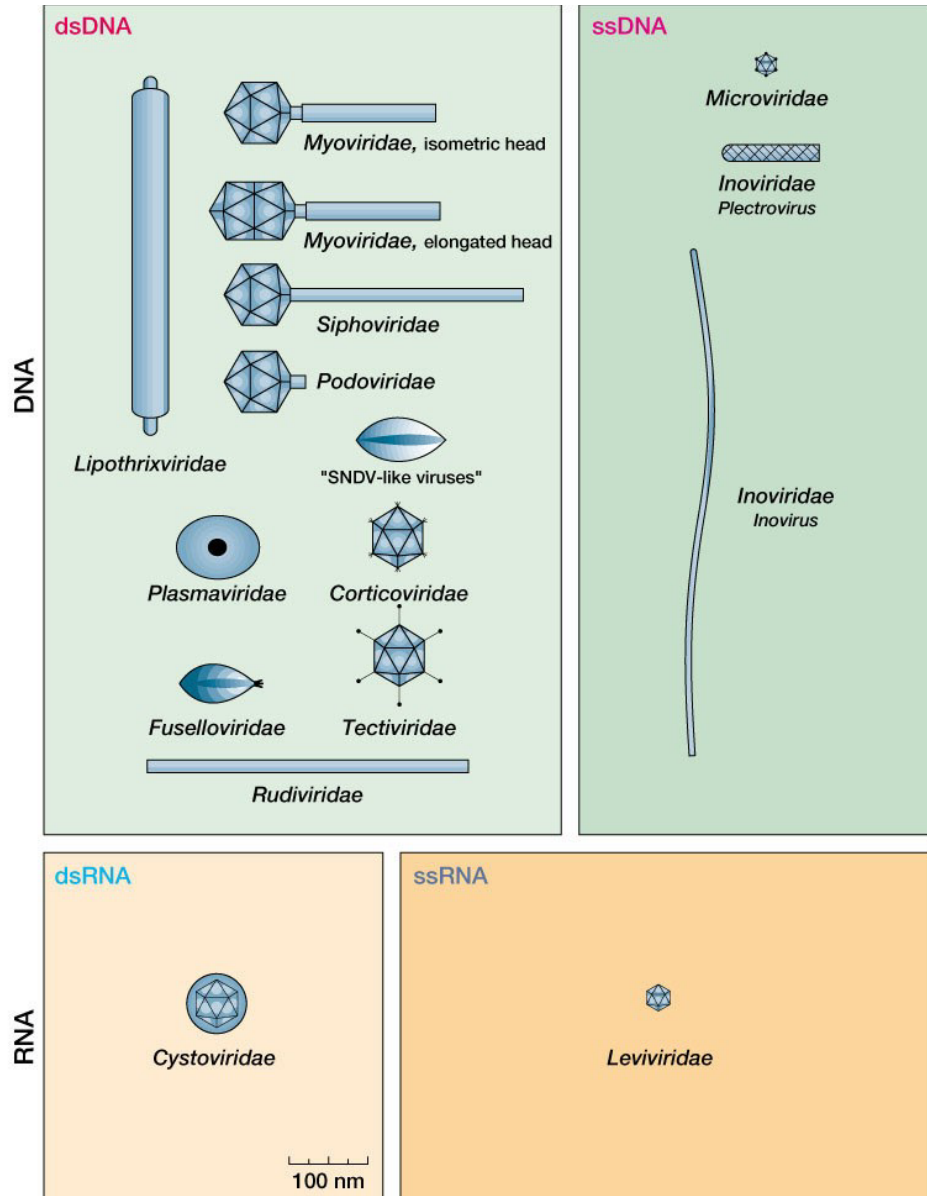
M.H.V. van Regenmortel
C.M. Fauquet
D.H.L. Bishop
E.B. Carsten
M.K. Estes
S.M. Lemon
J. Maniloff
M.A. Mayo
D.J. McGeoch
C.R. Pringle
R.B. Wickner



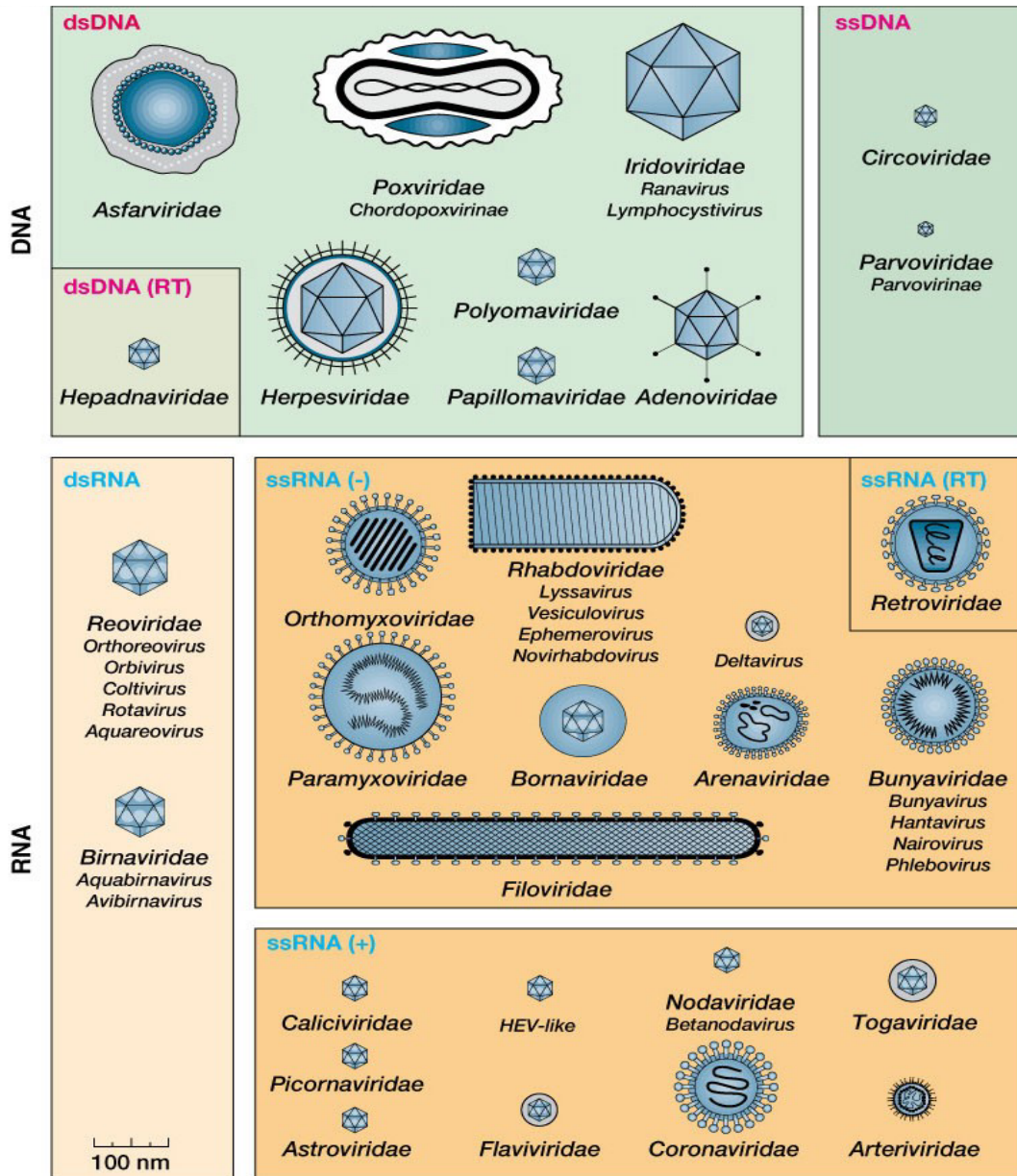
Virology Division

International Union of Microbiological Societies

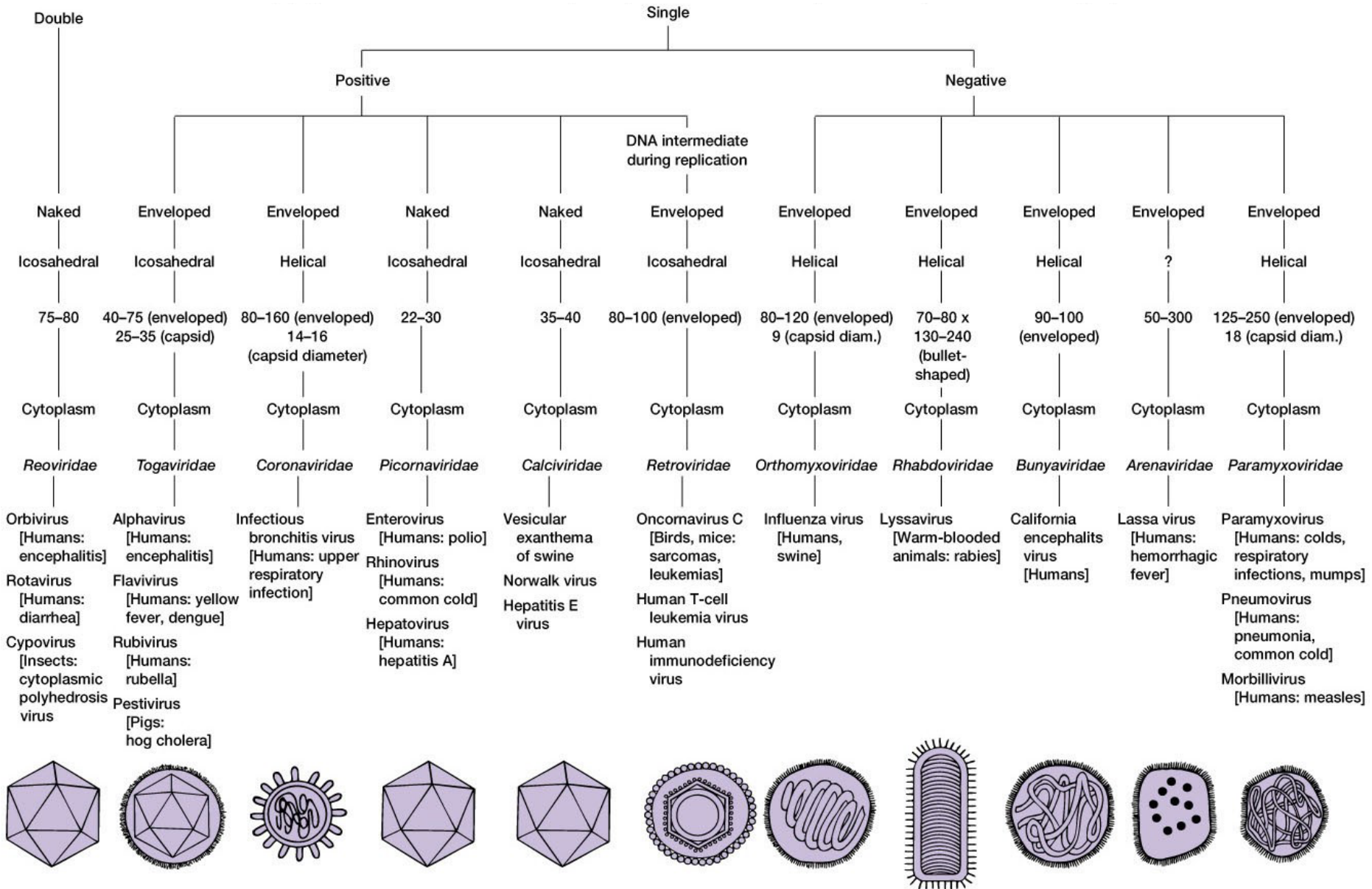
Virus Classification



Virus Classification



Virus Classification



Virus Classification

Strandedness

Enveloped or naked

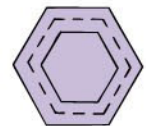
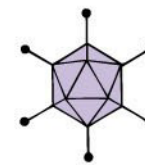
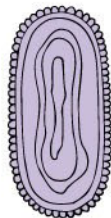
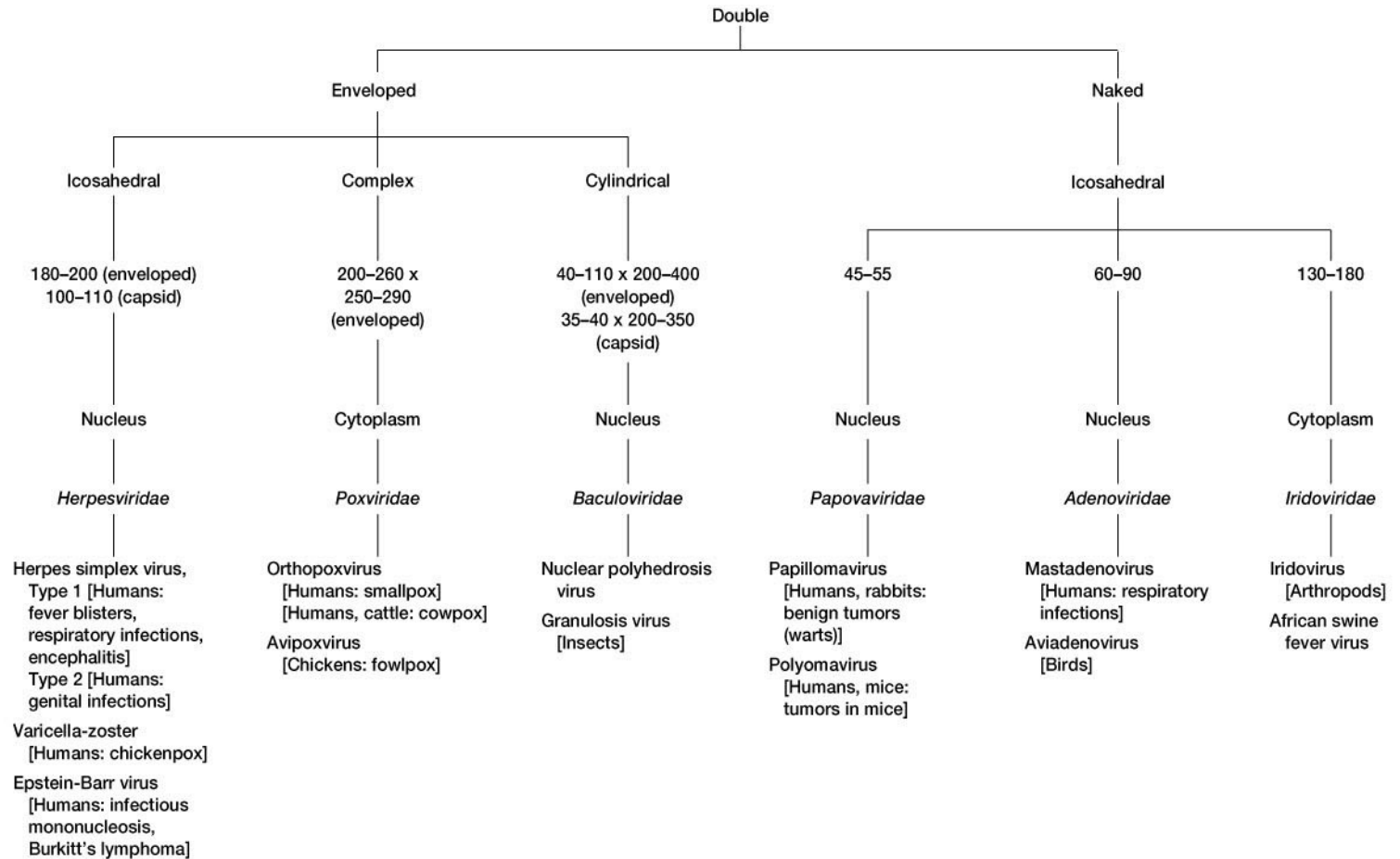
Capsid symmetry

Size (nm)

Site of capsid assembly

Virus family

Representative genera
[Host, disease]



(Continue on next page)

Virus Classification

