



Robert Hooke's microscope

# MICROGRAPHIA:

OR SOME

*Physiological Descriptions*

OF

## MINUTE BODIES

MADE BY

MAGNIFYING GLASSES.

WITH

OBSERVATIONS and INQUIRIES thereupon.

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By *R. HOOKE*, Fellow of the ROYAL SOCIETY.

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*Non possis oculo quantum contendere Linceus,  
Non tamen idcirco contemnas Lippus inungi.* Horat. Ep. lib. 1.

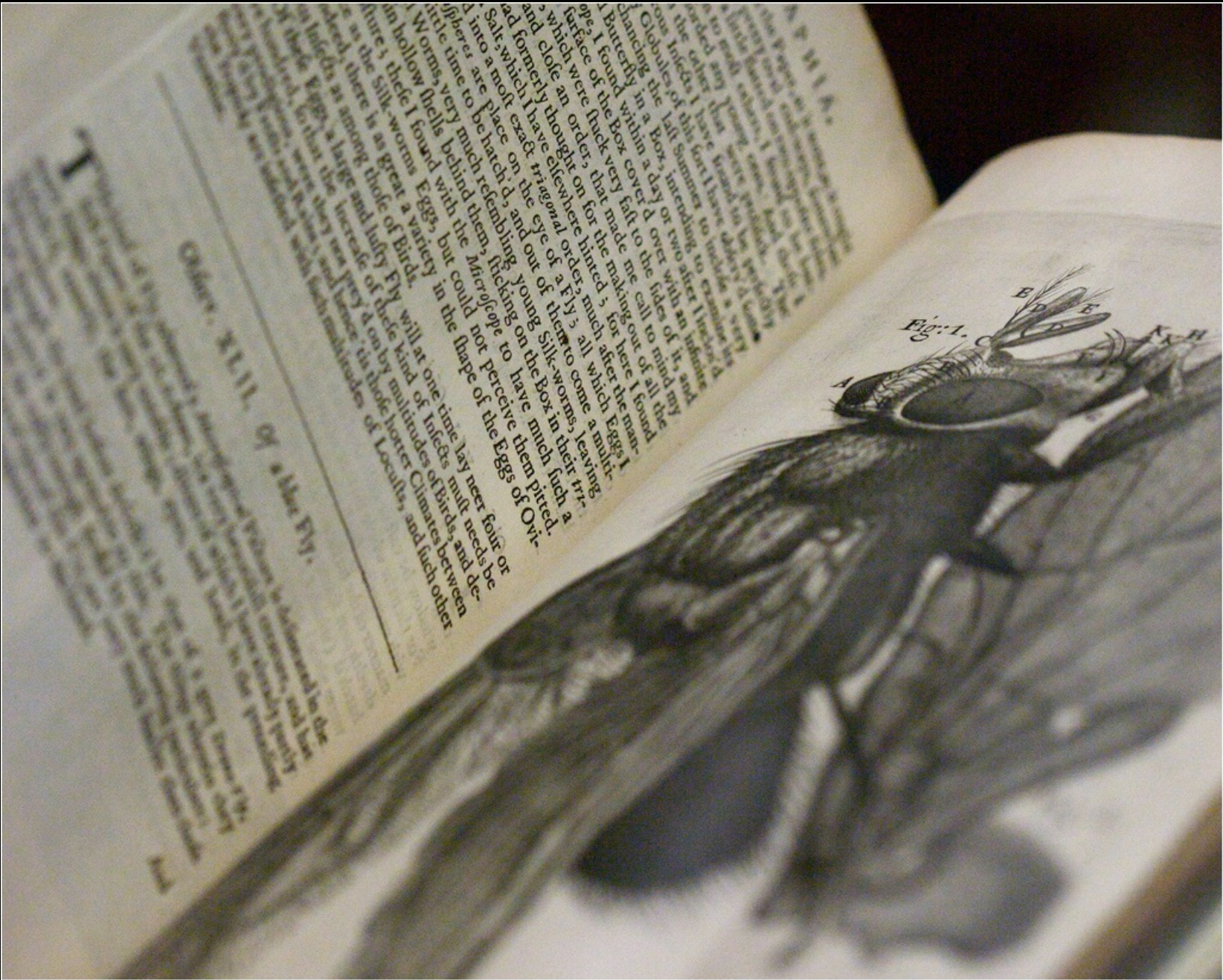
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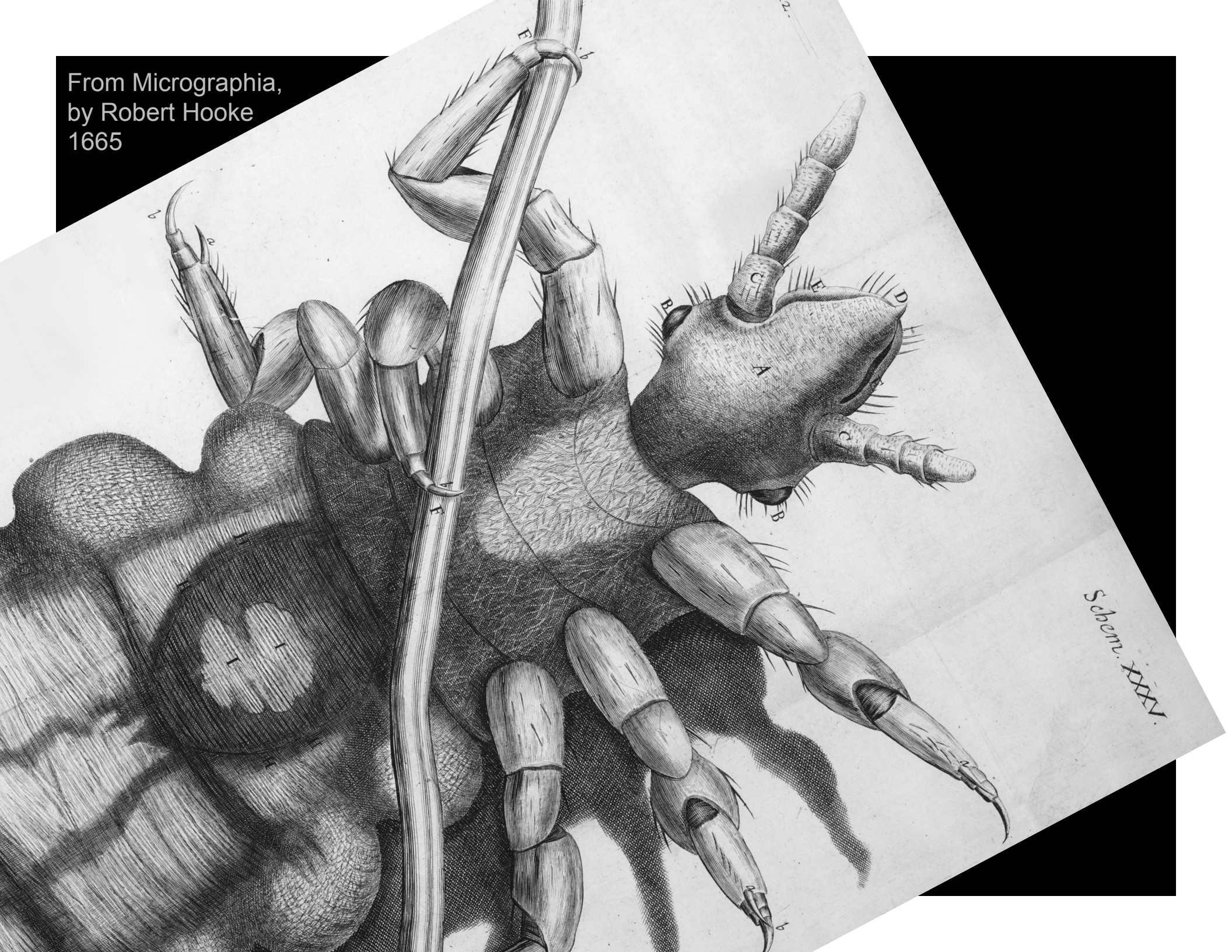
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LONDON, Printed by *Jo. Martyn*, and *Ja. Allestry*, Printers to the  
ROYAL SOCIETY, and are to be sold at their Shop at the *Bell* in  
*S. Paul's Church-yard.* M DC LX V.

From Micrographia, by Robert Hooke, 1665



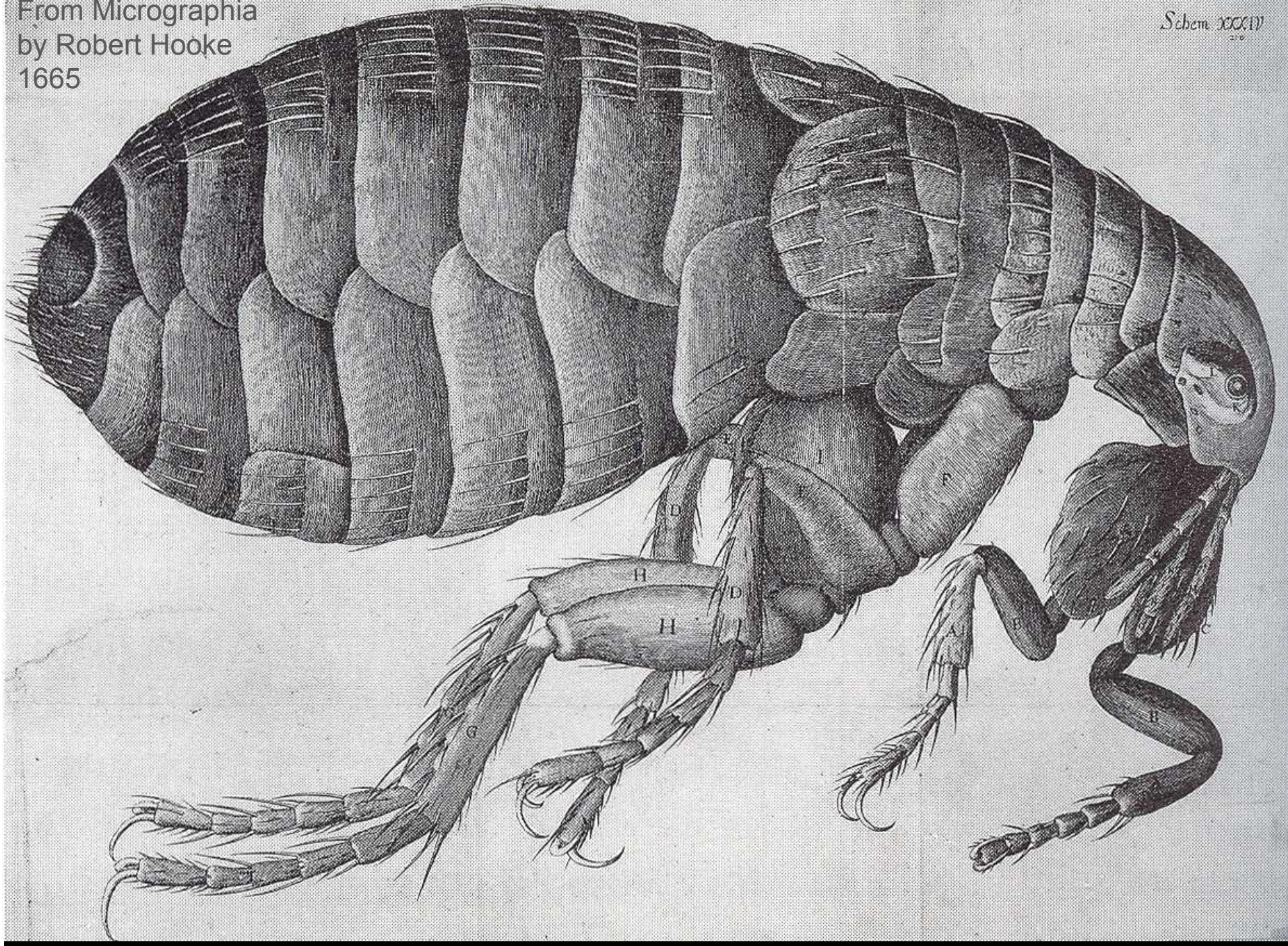
From Micrographia,  
by Robert Hooke  
1665



Schem. XXXV

From Micrographia  
by Robert Hooke  
1665

Schem. XXXIV  
278



Tab. 10619



310  
M. 10619  
The flea is a small insect which is very common in warm climates. It is a blood-sucking parasite which is very troublesome to man and animals. It is very difficult to destroy and its life is very long. It is very common in warm climates and is very troublesome to man and animals. It is very difficult to destroy and its life is very long.

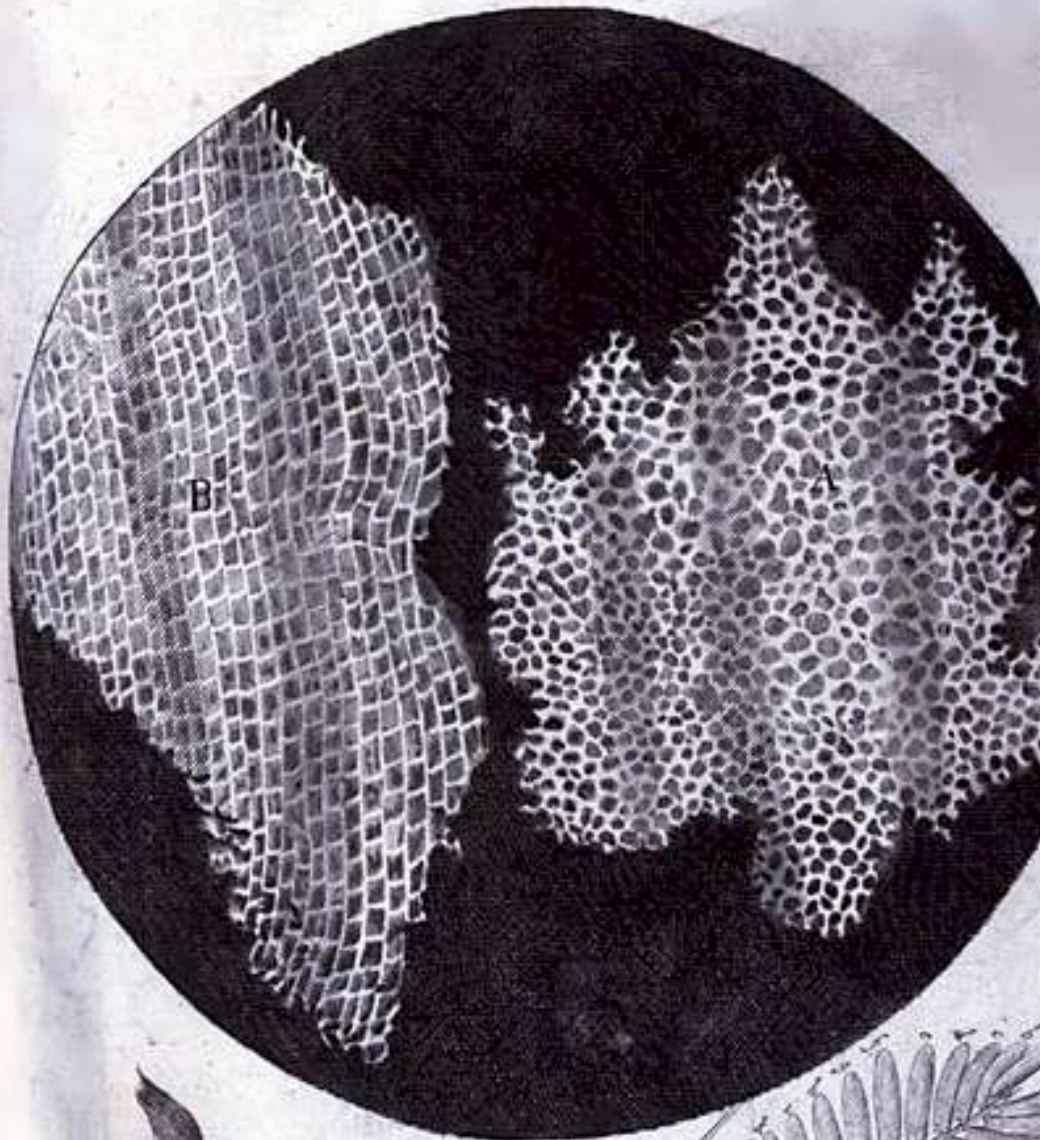
From Micrographia  
by Robert Hooke  
1665

## OBSERV. XVIII.

### *Of the Schematisme or Texture of Cork, and of the Cells and Pores of some other such frothy Bodies.*

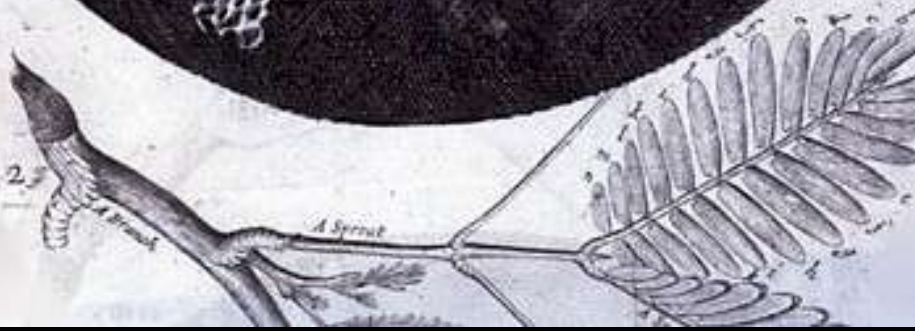
I took a good clear piece of Cork, and with a Pen-knife sharpen'd as keen as a Razor, I cut a piece of it off, and thereby left the surface of it exceeding smooth, then examining it very diligently with a *Microscope*, me thought I could perceive it to appear a little porous; but I could not so plainly distinguish them, as to be sure that they were pores, much less what Figure they were of: But judging from the lightness and yielding quality of the Cork, that certainly the texture could not be so curious, but that possibly, if I could use some further diligence, I might find it to be discernable with a *Microscope*, I with the same sharp Penknife, cut off from the former smooth surface an exceeding thin piece of it, and placing it on a black object Plate, because it was it self a white body, and casting the light on it with a deep *plano-convex Glass*, I could exceeding plainly perceive it to be all perforated and porous, much like a Honey-comb, but that the pores of it were not regular; yet it was not unlike a Honey-comb in these particulars.

Fig: 1.

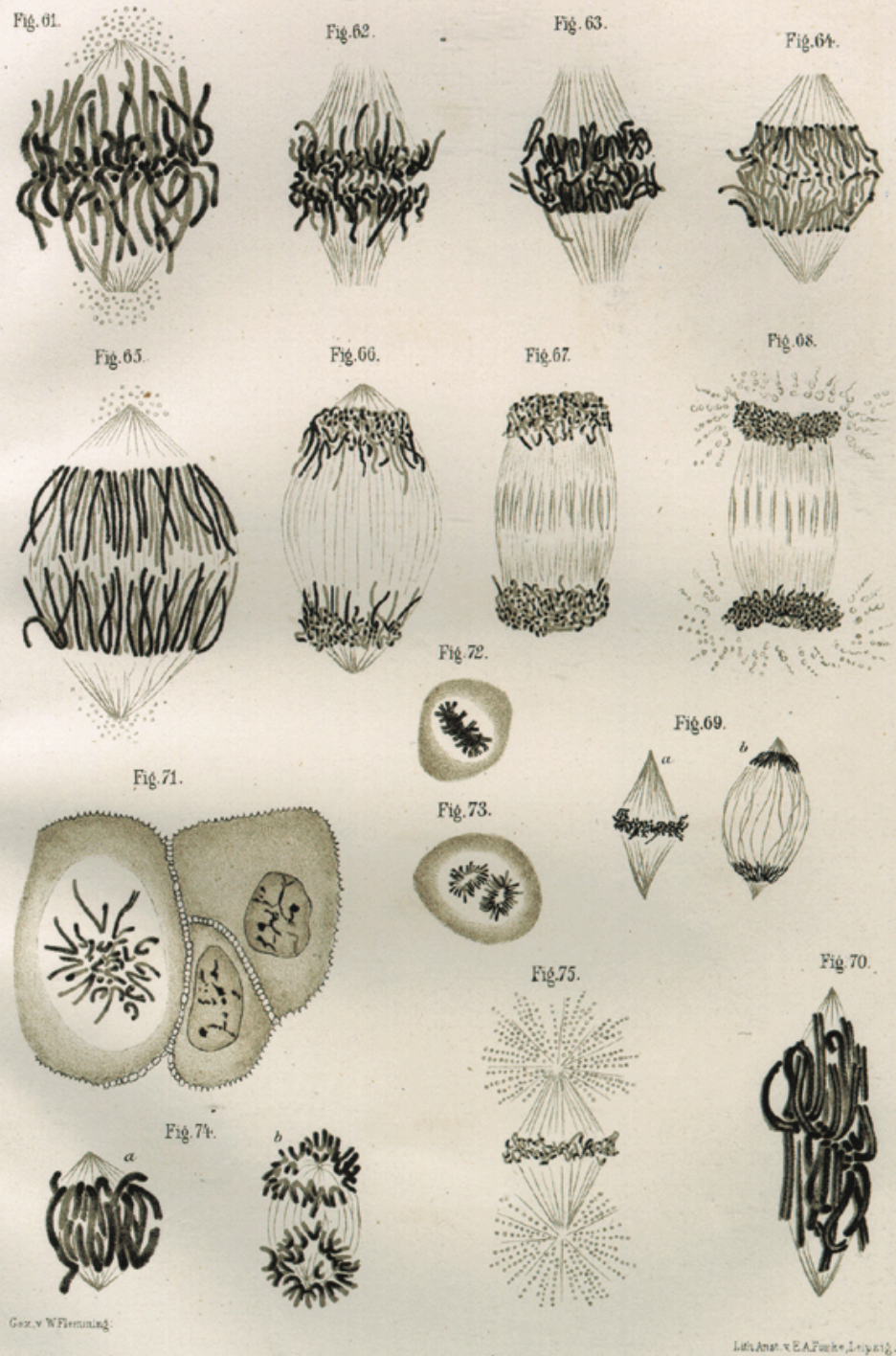


From Micrographia  
by Robert Hooke  
1665

Fig: 2





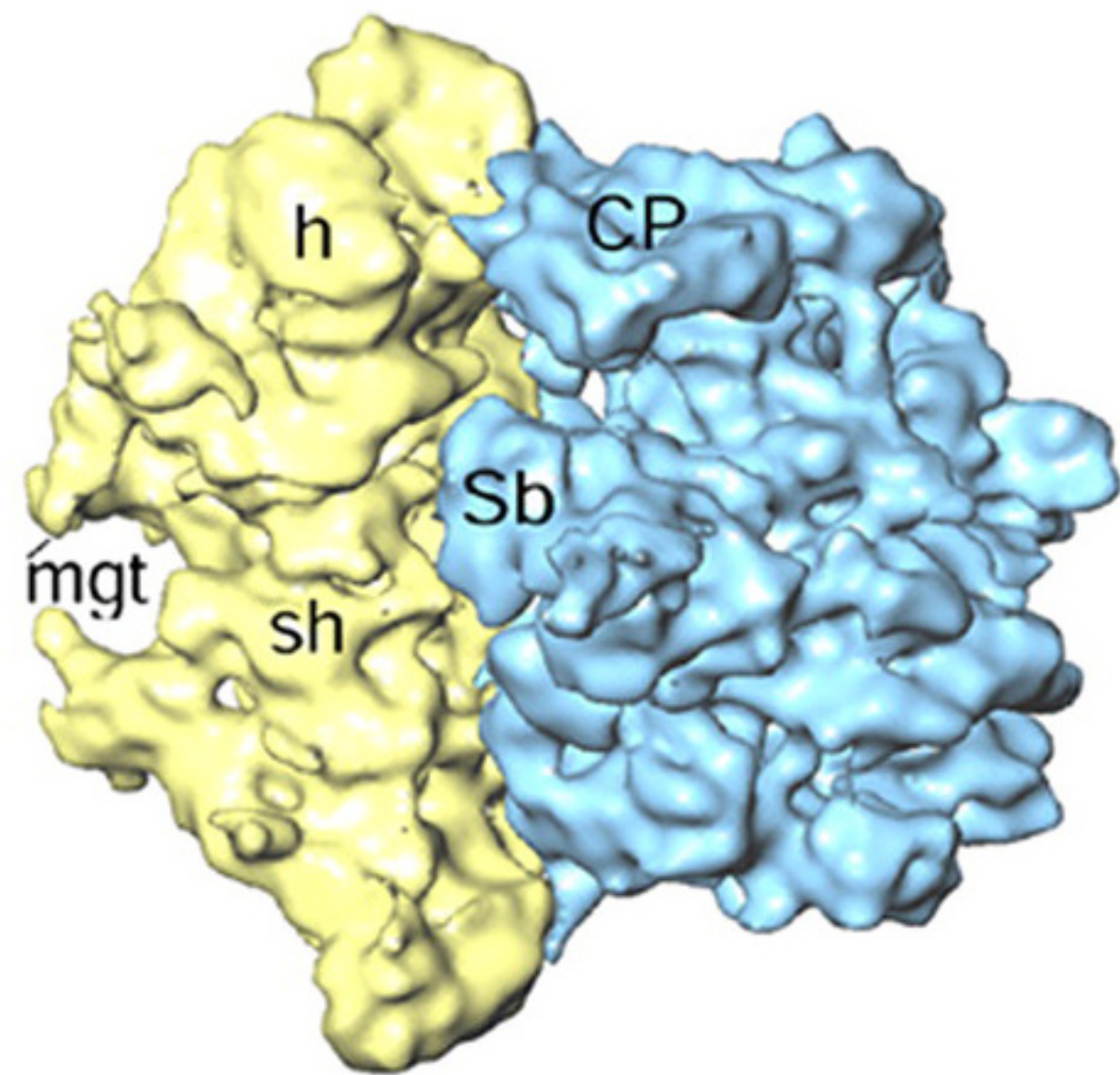
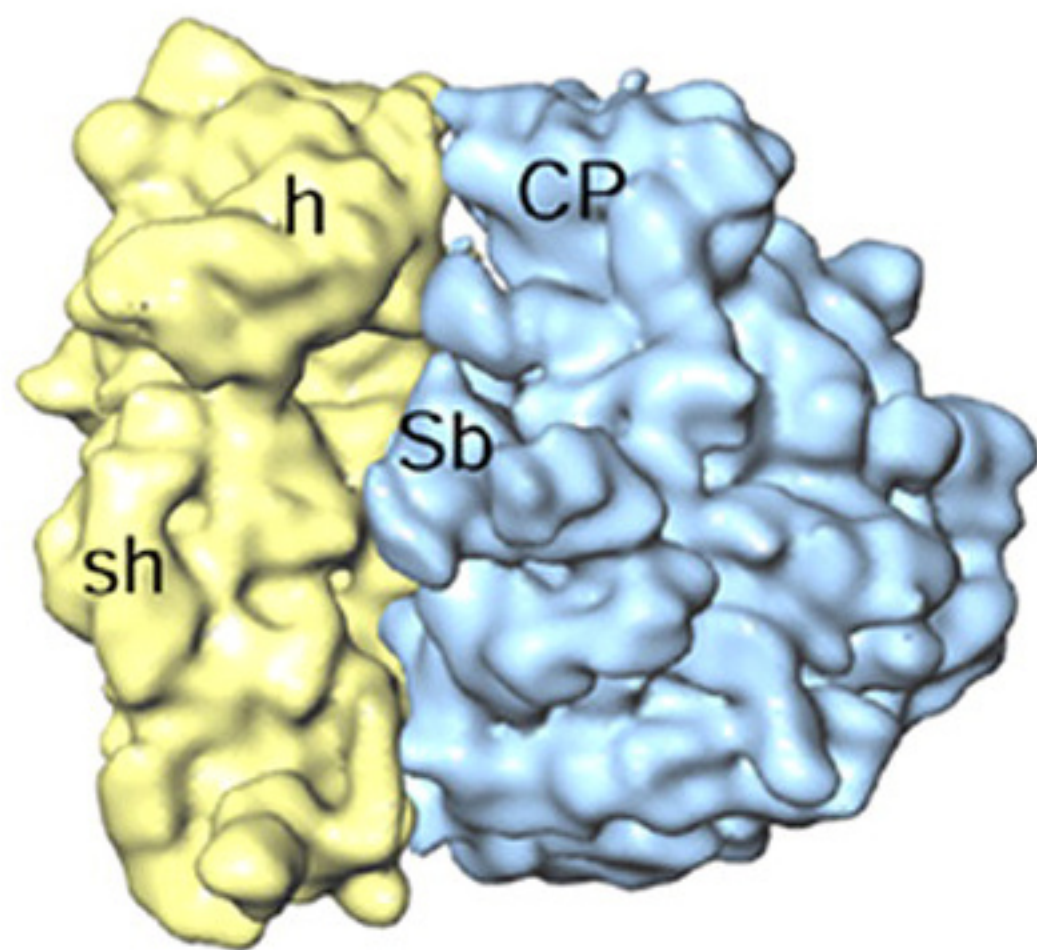
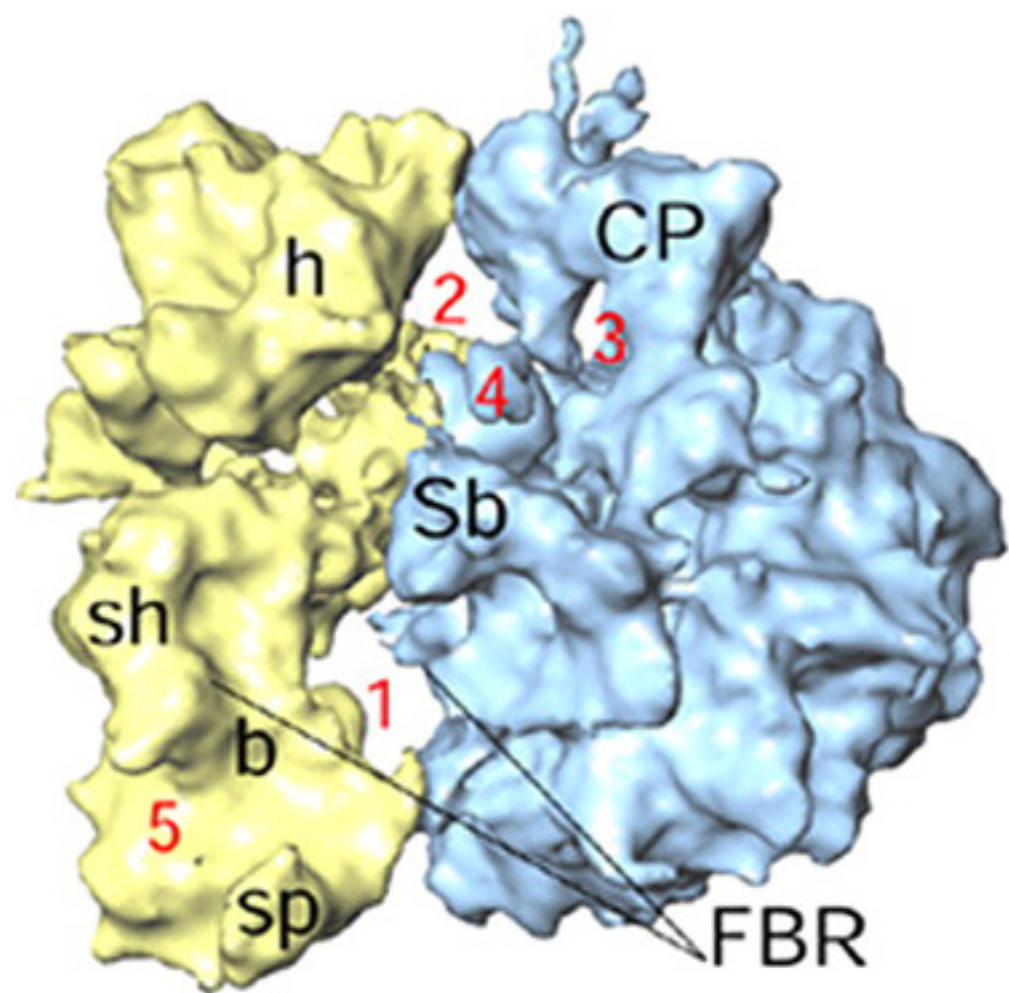


Mitosis illustration  
 By Walther Flemming,  
 ~1879

# eukaryotic: mitochondrial

# bacterial

# eukaryotic: nuclear





Lynn Margulis