

FD 107 Emerald

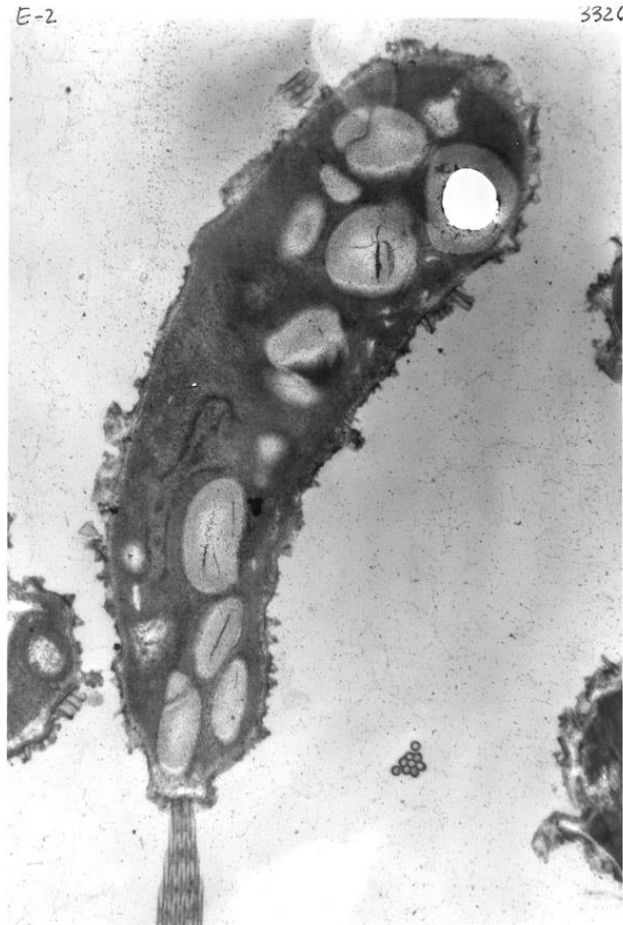
160909

# FD 107 Emerald

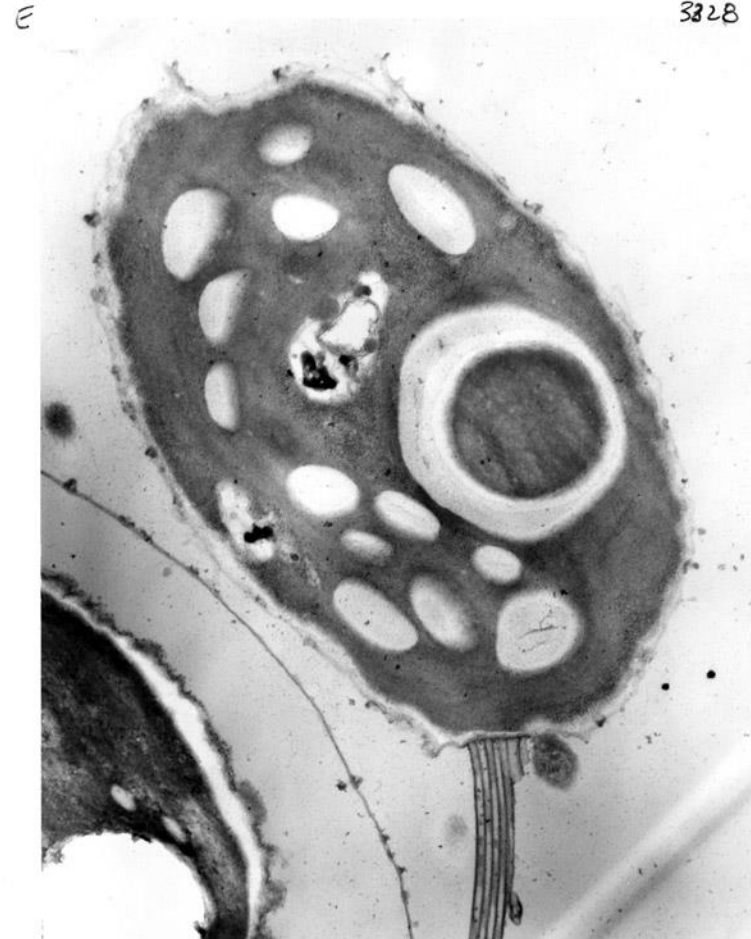
- I could not find the original ppt, so I have scanned all the images again and tried to put them into some sort of order....
- From Sal 120925: (on the images you will see a letter):
- E: 10 day primary infection from plaque plate (rep 1)
- I: 10 day primary infection from plaque plate (rep 2)
- E-2: 3 day secondary infection from liquid culture (rep 1)
- I-2: 3 day secondary infection from liquid culture (rep 2)
- 1- 3 day primary infection from plaque plate
- Plaque plate of pest Emerald grown on lawn of SE0107

# Algal host- SEO107, a native desmid that is a proprietary strain

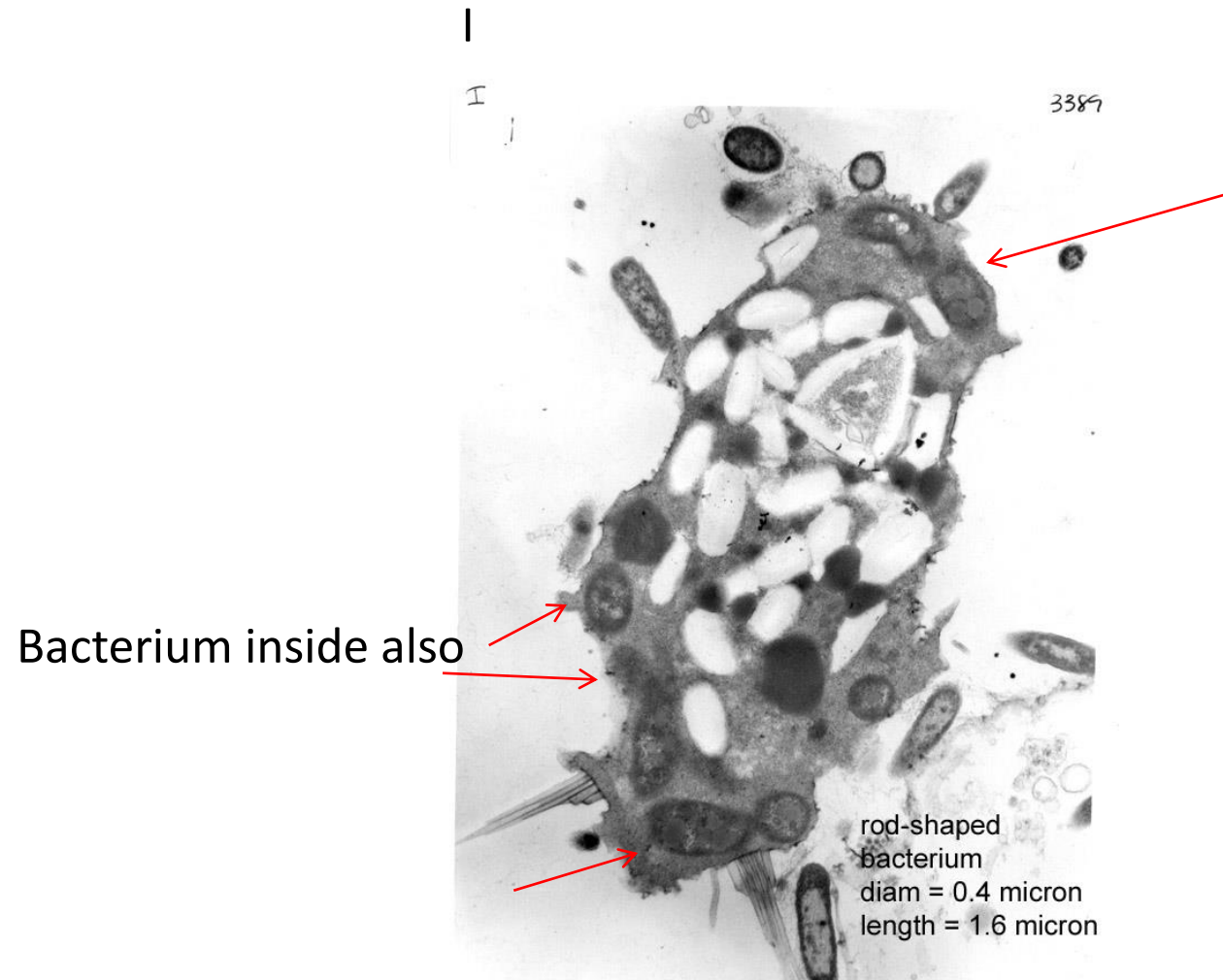
E-2



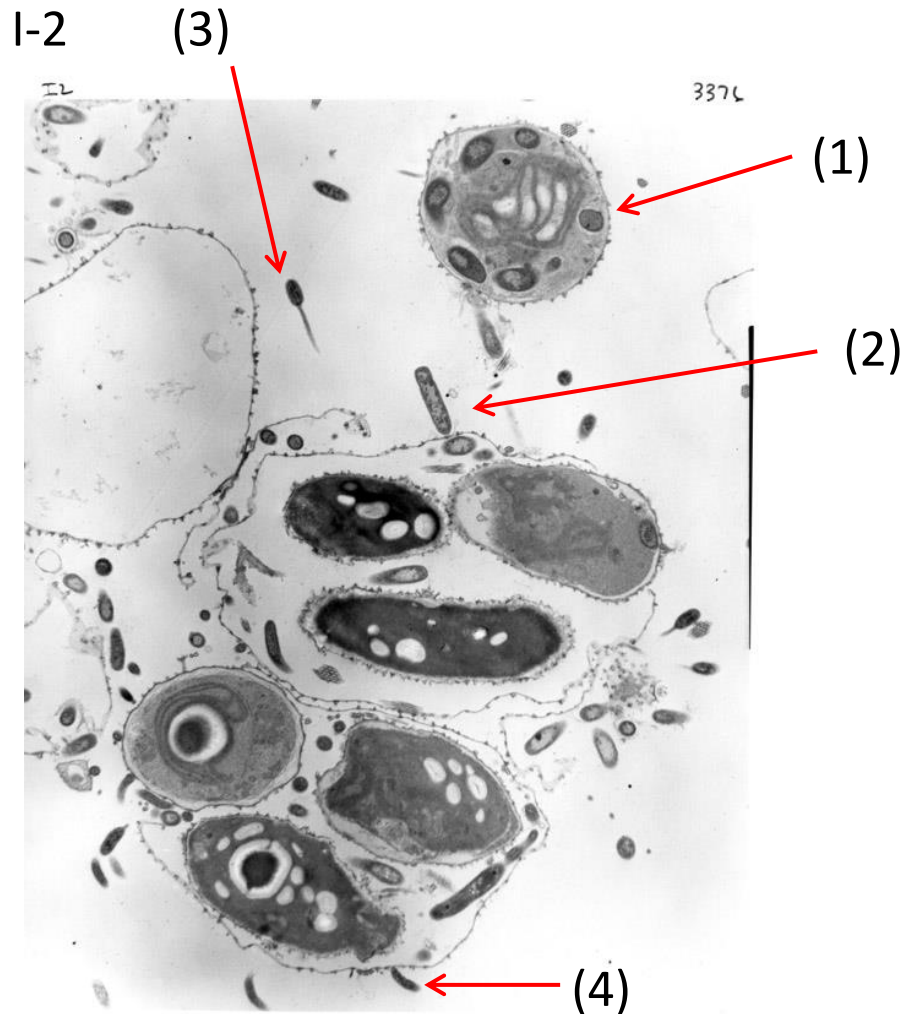
E



# Early bacterial infection



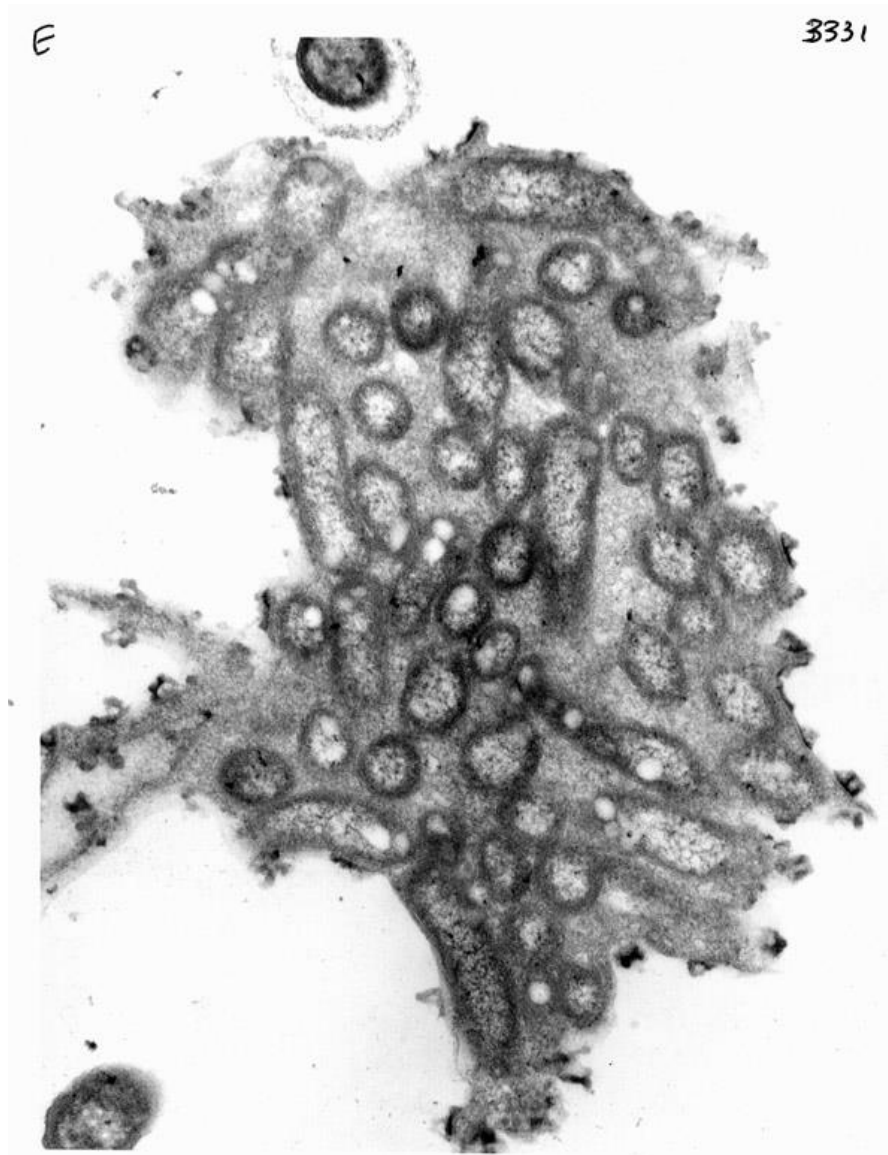
# Early bacterial infection



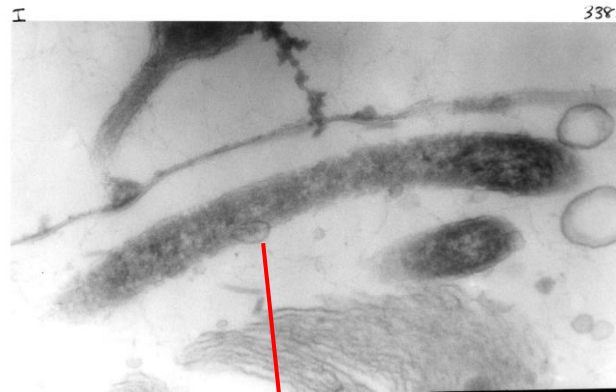
Maybe 4 different bacteria here:

- (1) inside;
- (2) rod outside;
- (3) flagellated;
- (4) vibriose

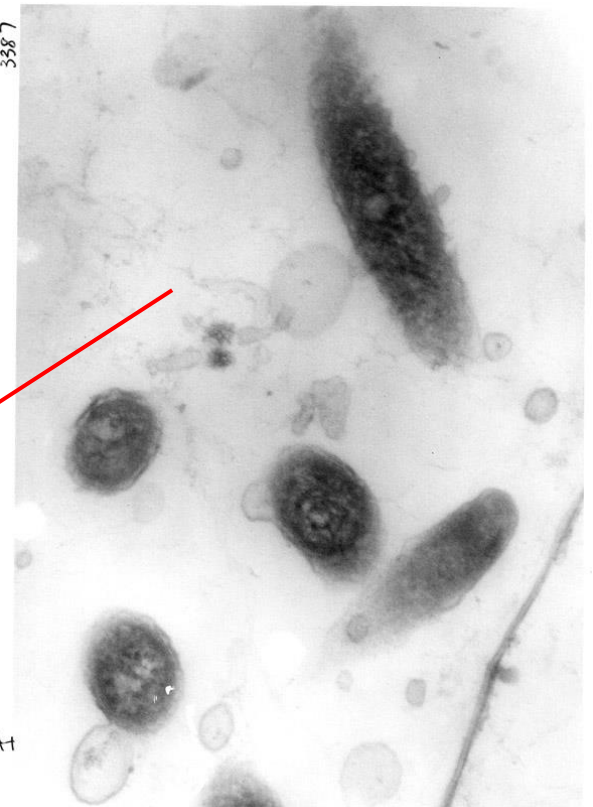
## Later infection- inside



## Later infection- inside



Diam = 0.3  
L= 1.86

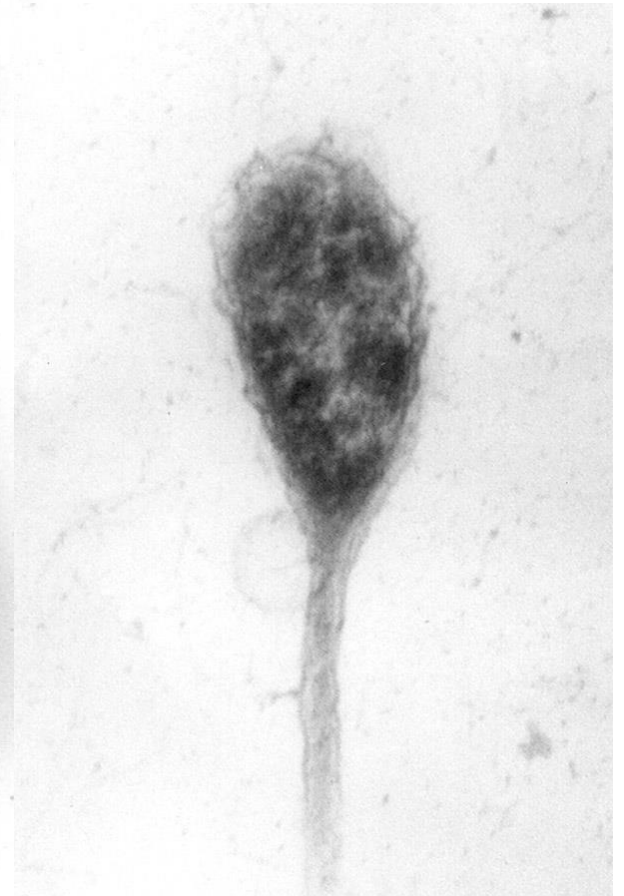
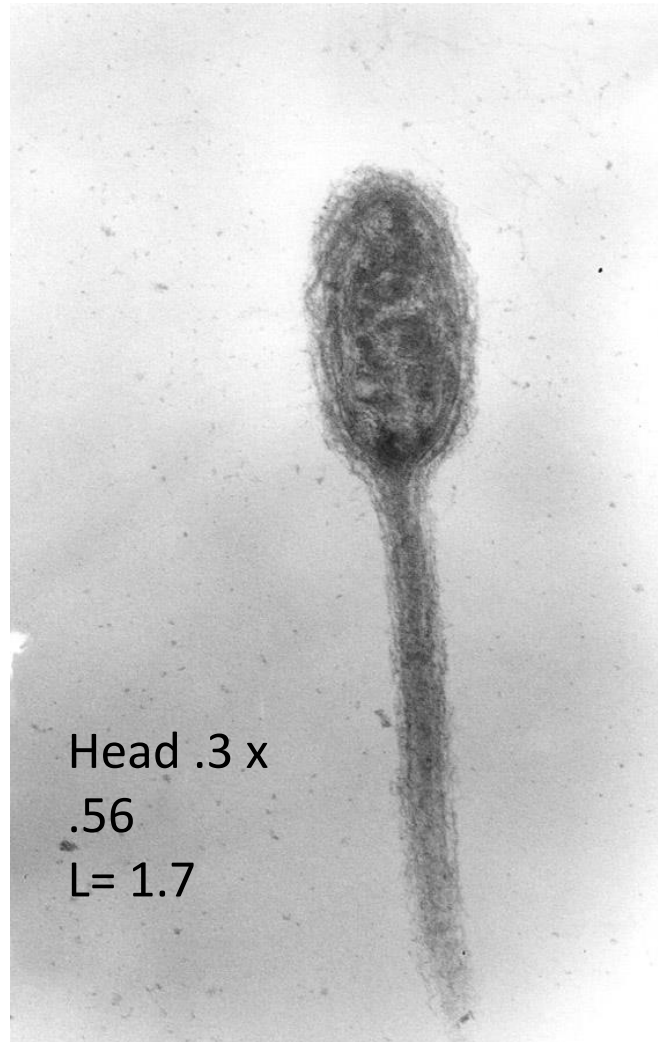
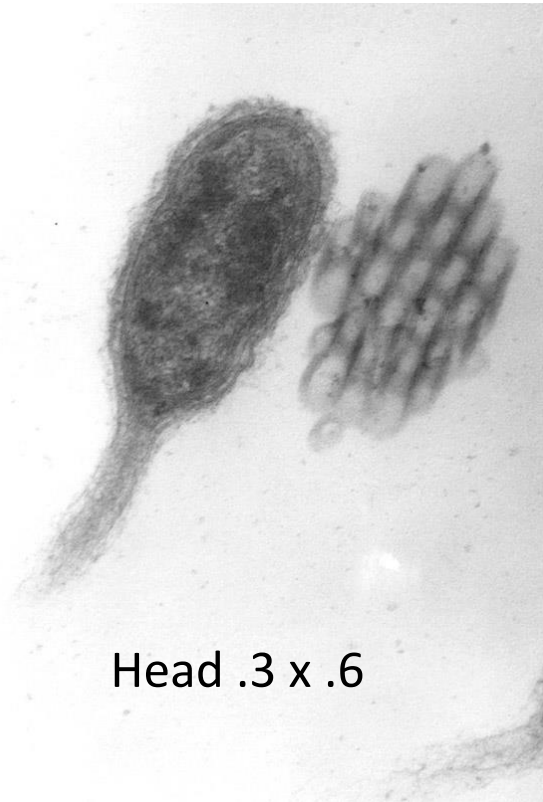


Diam = 0.3  
L= 0.8



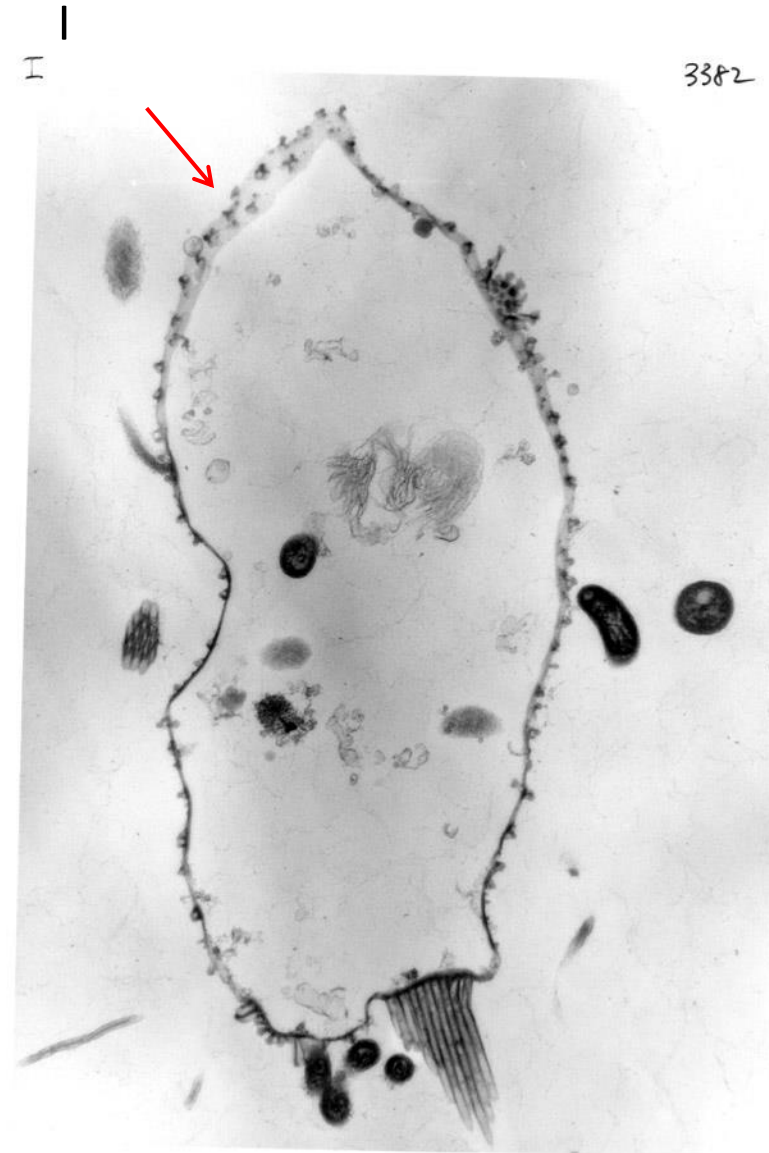
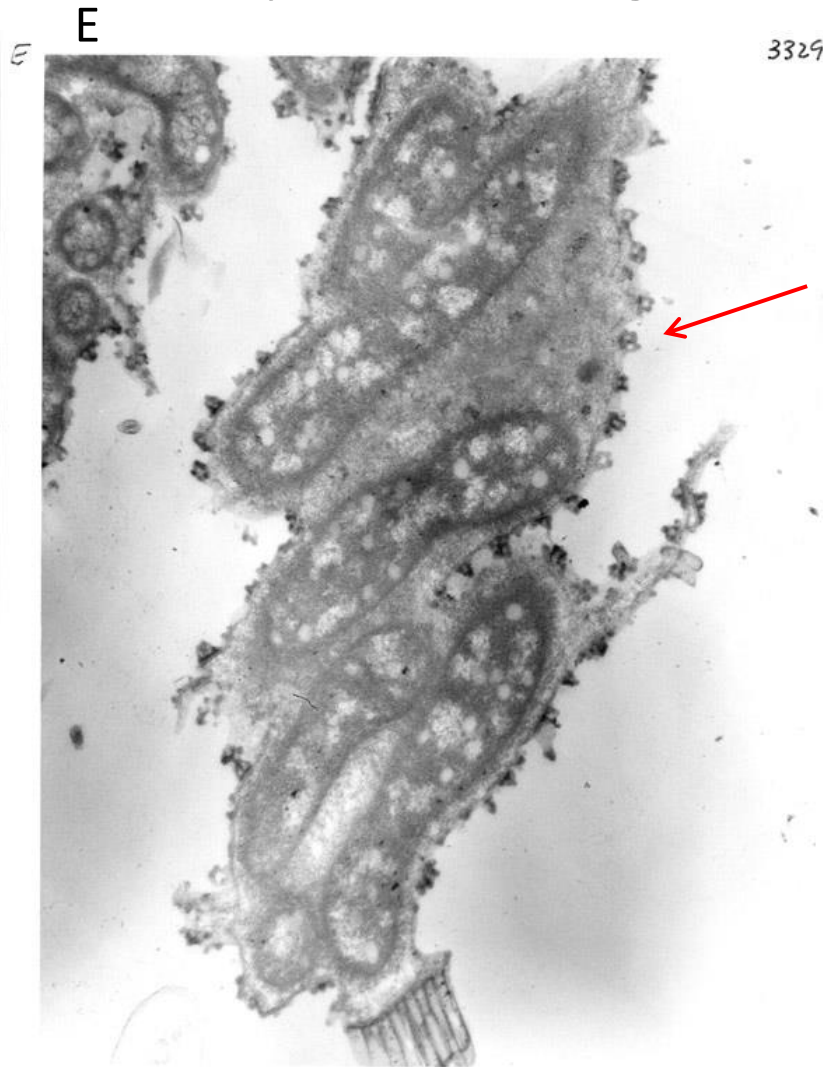
## 3 more outside flagellated

I-2 (all)





Maybe viral along the algal cell wall; bacterium inside (L)

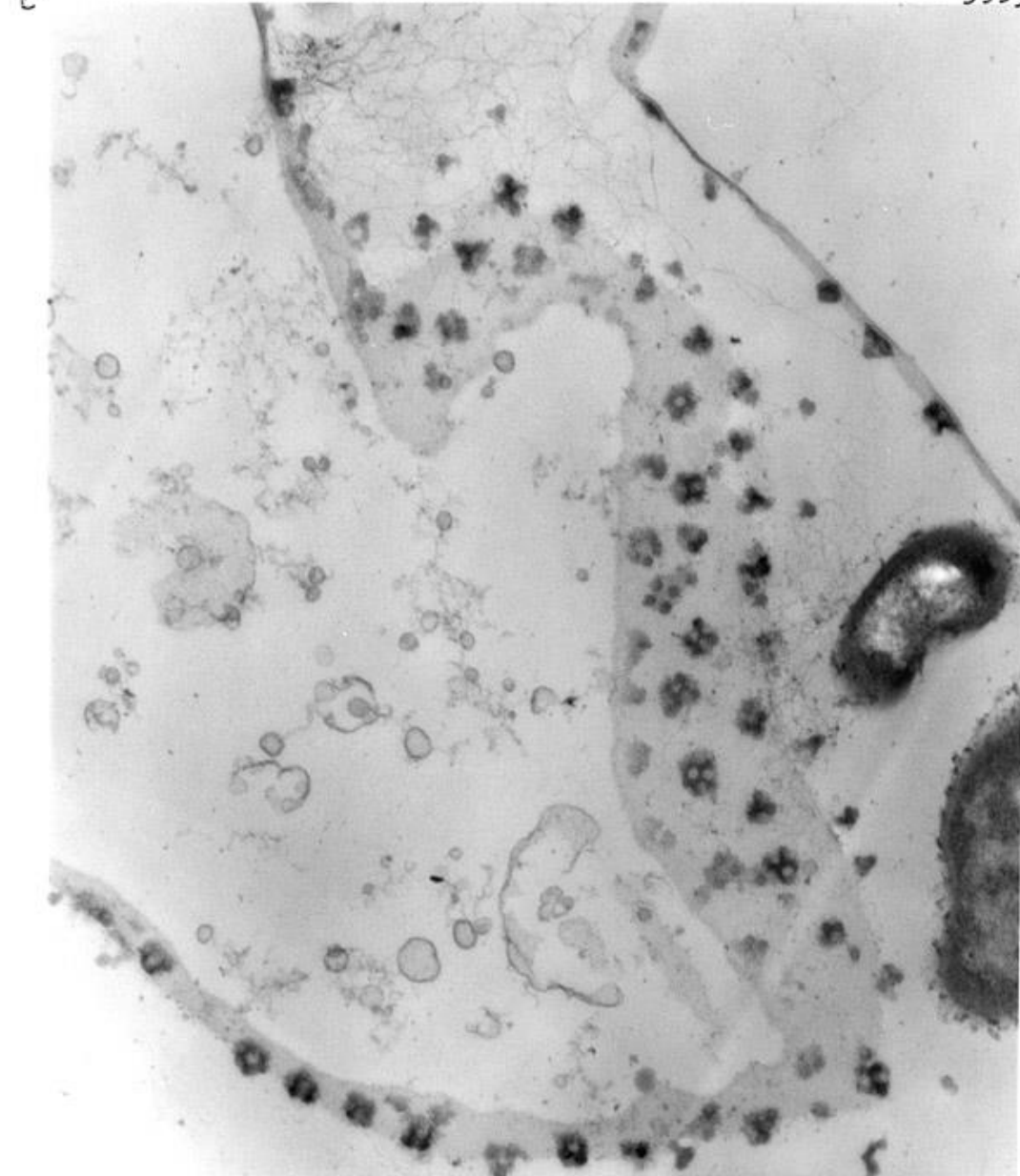


Maybe viral

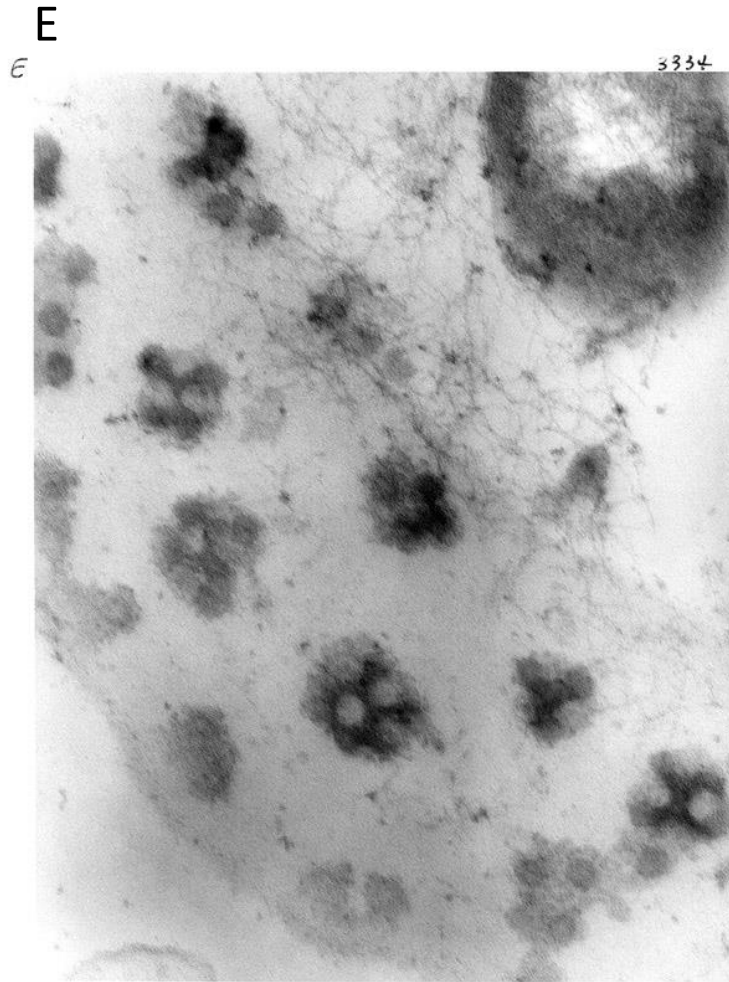
E

E

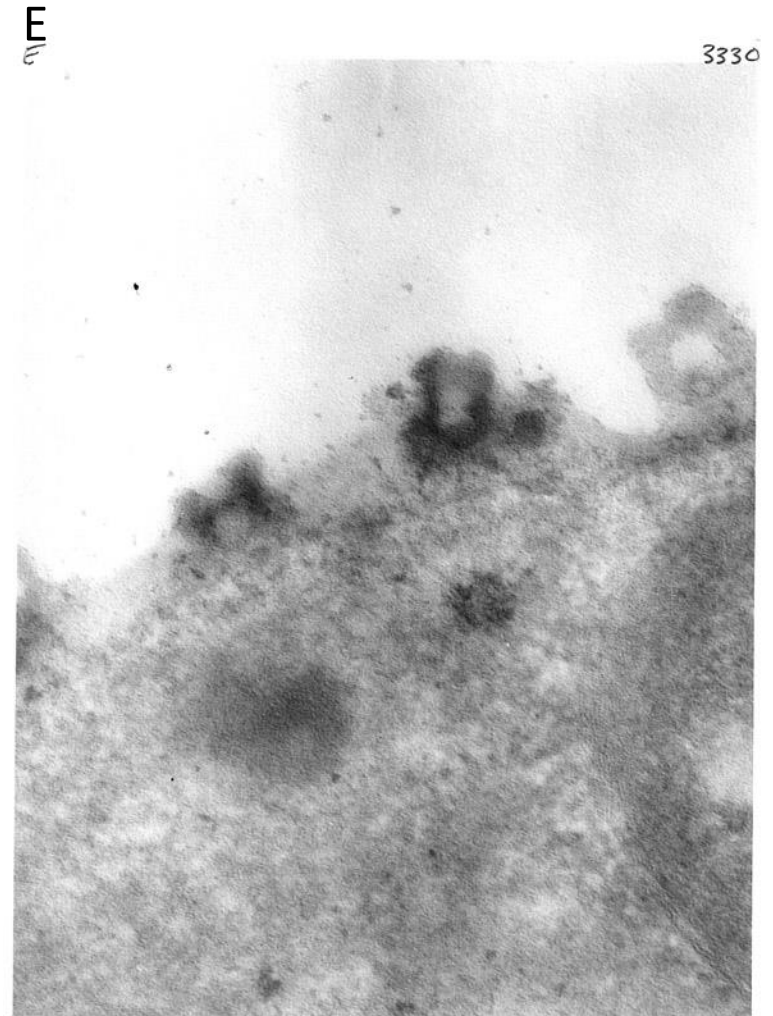
3333



## Maybe viral (x 80K)

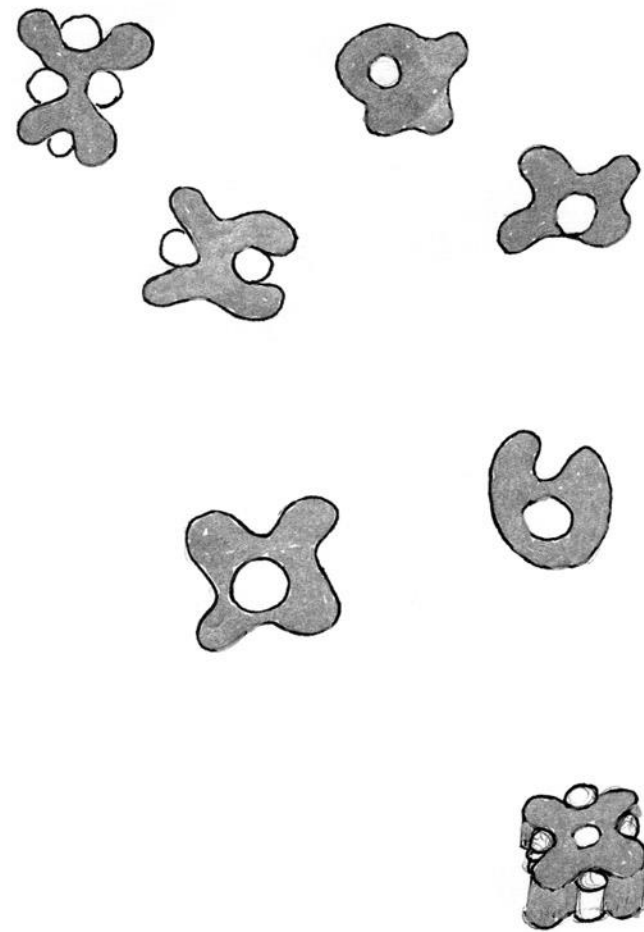


Structure diam = 0.087-0.125  
microns  
Hole diam = 0.025 micron



Hole diam = 0.025 micron

Maybe viral



Schematic interpretation