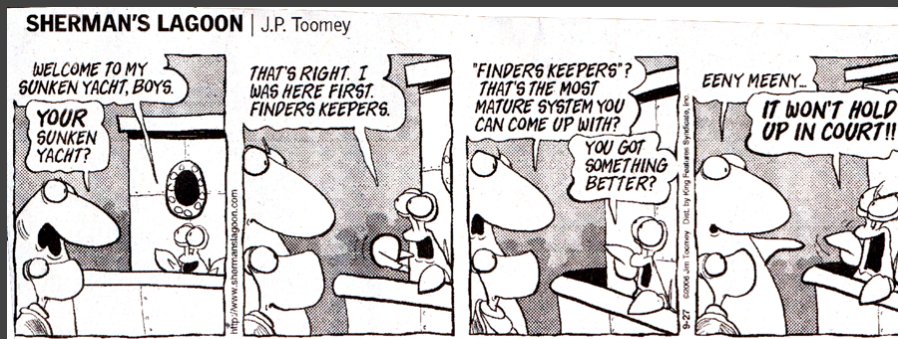


SYMBIOSIS: PARASITISM AND MUTUALISM



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Today's Learning Objectives

At the end of today's meeting, you should be able to:

1. Distinguish between **symbiotic**, **parasitic**, and **mutualistic** relationships and **describe specific examples** of each
2. Indicate how these relationships relate to **medical science**
3. Identify alternative methods for parasites **transmission**
4. Explain the **ecological significance** of the different relationship types
5. Describe how these relationships affect the **individual** and the **whole population** (population regulation?)
6. ~~Modify the Lotka-Volterra equations to model~~ **mutualistic** relationships

Preview of Future Topics

Next: **Communities**

Assignments

Read: Chapter 17, 18

Vocabulary

Symbiosis, parasitism, mutualism, commensalism, disease, infection, vector, {definitive, intermediate} host, malaria, lyme disease, mistletoe, killifish, commensalism, coral, lichen, ectoparasite, endoparasite, holoparasite, hemiparasite,

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