DISCUSSION QUESTIONS: CHAPTER 6 – Dispersal and Immigration D. Jenkins

1. Is dispersal more relevant to Evolution OR Ecology? (*Yes, you must choose one*.)
   Derive (a) a clear answer to share and (b) justification for your answer.

2. Can someone please explain the difference between dispersal and vicariance?
   And how is vicariance different from secular migration? And why the fuss?

3. Is diffusion just a matter of dispersal ON a continent, while jump dispersal occurs BETWEEN continents or islands? Which one is more important to gene flow?

4. Which is most common – active dispersal or passive dispersal? Do they differ?
   Which do you think we know the most about? Which would have more gene flow?

5. Are biological invasions bound to happen anyway, given more time?

6. How could you use a dispersal curve (aka - dispersal kernel – e.g., Fig. 6.19 in 4th ed.)? What does it take to collect the data to graph one?

7. Hypothesis: Obligately sexual invasive species are less a problem than asexual invasive species because obligate sexuals have smaller distributions, less gene flow, and more philopatry.
   Arguments?

8. Hypothesis: The dispersing propagules of the world's 100 worst invasive species will be smaller than the median size of their clade because small body size enables greater dispersal distance.
   Arguments?