

## **Topic 07—The PA Flora from a Macroevolutionary and Physiogeographical Perspective**

### **I. Overview of PA Flora**

- A. Generalities
- B. Taxonomic Breakdown
- C. Important Families
- D. Important Genera

### **II. Physiogeography & the Flora**

- A. Appalachian Plateaus
- B. Ridge & Valley
- C. Piedmont
- D. Coastal Plain
- (E.) Blue Ridge
- ( F.) New England

### **III. Evolution of the Physiogeography & Flora**

- A. Taconic Orogeny
- B. Post-Taconic Passive Phase
- C. Acadian Orogeny
- D. Post-Acadian Passive Phase
- E. Alleghenian Orogeny
- F. Pangean Passive Phase
- G. Mid-Jurassic Rifting Phase
- H. Isostatic rebounding & peripheral bulging

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#### Required Reading:

1. Pages 5-7 in Rhoads & Block.
2. Page ix-xi in Wherry ET, JM Fogg, & HA Wahl. 1979. Atlas of the Flora of Pennsylvania. The Morris Arboretum, Philadelphia.

The particular section headers are “Introduction” (p. ix), “Nomenclature” (p. ix), “Geology of Pennsylvania in Relation to Plant Distribution” (pp. ix-x), and “Plants of Unusual Habitats” (p. xi).