

CLIMATE OF CALIFORNIA

VISUAL AIDS:

Wall map of world climates
Seasons Diagram

Objective:

At the end of the lecture the student will understand the various climates of the world and particularly California's. The student will be able to make a general map of California's Climatic zones.

Order of Discussion:

- A. World weather in a nutshell. Duration about 2 hours (Lecture and Text).
 - Seasons
 - Wind patterns
 - Types of lifting
 - Storm types
 - Resulting climates
 - The Mediterranean Climates
- B. How California fits into the world climate regimes, other places which have a similar climate type.
- C. The variation of climate within California
- D. The rapid change of climate within short distances
- E. The effects of climate on the agricultural, recreational, urban, and other land use practices in California.(briefly).
- F. California Climate
 1. Variation in Cal.- S. Dakota to Boston example
 2. L.A. = a desert- define evaporation exceeds precipitation
 3. Climate and economic development
 4. Windward vs. Leeward Slope
 5. Rain shadow =Central Valley
6. Land - Sea Breeze
 7. Santa Ana Winds- read from dime novel
 8. Climate and air pollution
 9. Climate controls - p.85-93 Miller
 10. Air Masses and Calif. mP,mT,cP
11. Adiabatic Lapse Rates Fig. 4.5, p. 86 (5.5 and 3.2 oF/1000')

END