

Week 9 Reading Assignments and Discussion Questions

Reading Assignment:

Ahrens, C. D. (2015) *Essentials of Meteorology: An Invitation to the Atmosphere*, 7th ed., Cengage, Australia: 525 pp.

- Chapter 10 – Thunderstorms and Tornadoes pgs. 287-328.

Ami (1860) He Mele no ka Haku Hawaii. *Ka Hae Hawaii*, 25 July. (*Chant about Thunder for Prince Albert Kalanikauikeaoul, printed in Hawaiian Language Newspaper)

- Read the English language translation

Thompson, V. (1988) *Hawaiian Myths of Earth, Sea, and Sky*, University of Hawai'i Press, Honolulu: 83 pp.

- Read pages 20-27

Haraguchi, P. (1979) *Weather in Hawaiian Waters*, Pacific Weather, Inc., Honolulu, 107 pp.

- Read Pages 32-37

Poliwela, D. W. (1862) "Na Makani", *Ka Hoku o ka Pakipika*, 1 May. (*Hawaiian Newspaper Clipping)

- Read the English language translation

Discussion Questions for Week 9

Ahrens

- What are the three basic ingredients Thunderstorms need to form? Do the Pacific Islands satisfy these requirements?
- What are supercells and how are they related to tornadoes? In general, so we see supercells in the Pacific Islands?

Ami

- In what context is lightning mentioned? What do you think this signifies?

Thompson

- Who is Hiiaka? Who sent her on a dangerous journey? What dangers did she face?

Haraguchi

- When are thunderstorms likely to happen in Hawaiian waters? Where?
- What is a waterspout and how often do they occur over Hawaiian waters?

Poliwela

- According to Poliwela, what is the cause for winds on the islands?
- What other type of wind does Poliwela mention? Is the description accurate?