

Homework No. 3
Due Tuesday 12 September

Answer the following questions about the material in Sections 1 and 2 of:

Doswell, C.A. III, 1986: The Human Element in Weather Forecasting, *Nat. Wea. Dig.*, **11**, 6-17.

Answer on separate sheets. 20 points each.

1. According to Doswell, the weather forecasting process reduces to two basic steps. What are those two basic steps and describe them briefly?
2. The two basic steps you listed in (1) above really are a verbal description of the first two terms in what mathematical expression?
3. Why does Doswell feel that the notion that subjective weather map analysis is a “burden” is wrong?
4. Why does Doswell feel that using objective guidance AFTER proper diagnosis yields a better forecast?
5. In what situation is objective guidance the best in anticipating conditions?