Statistics 651 – 102 Homework  
Due Friday, June 23, 2000

Note: As always, clip out and arrange in your solutions only those parts of the computer output that are relevant. Do not turn in stacked output. Use $\alpha = .05$ for all statistical tests.

I. Exercises 13.27, p. 805, 14.11 a., p. 839, Ott. Replace part c. of 14.11 by:
c. Use a contrast to compare the control mean with the average of the two herbicide means.


III. A SAS output is available on the 651-102 web page to help you answer the following problems.
a. Problem 14.5.
b. Problem 14.6, part a. Use Fisher’s LSD procedure to make pairwise comparisons of the treatment means.
c. State the model and its assumptions.
d. Problem 14.9, all parts. Use t-tests to test whether each of the comparisons differ from zero.
e. Use the Kruskal-Wallis test to compare the groups. What are the differences (conclusions and assumptions) between the $F$-test and the Kruskal-Wallis test?