

**CHEG 251: Homework Assignment #6**

**Due: March 19<sup>th</sup>, 2007**

1. **Problem 5-5<sub>B</sub>, part A only**; from Fogler, 4<sup>th</sup> Edition
2. **Problem 5-5<sub>A</sub>, parts A, B only**; from Fogler, 4<sup>th</sup> Edition
3. **Problem 5-9<sub>B</sub>**; from Fogler, 4<sup>th</sup> Edition

**Honors Supplement:**

There are two “classic” reports on laboratory chemical reactors:

Weekman, J.W., “Laboratory Reactors and Their Limitations,” *AICHE J.*, 1974, **20**: 833-840

Carberry, J.J., “Designing Laboratory Catalytic Reactors,” *Ind. Eng. Chem.*, 1964, **56**(11), 39-46.

(*AICHE J.*: American Institute of Chemical Engineers Journal)

(*Ind. Eng. Chem.*: Industrial and Engineering Chemistry)

Read these articles and write a brief (1-2) page summary of their salient points. How do these papers compliment Fogler’s text and our lectures?