STARTUP: A COLLECTION OF IMPORTANT CEE PAPERS ON TEACHING FOR NEW FACULTY

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INTRODUCTION

At the Chemical Engineering Education (CEE) Publications Board meeting in November 2013 Don Visco suggested that CEE collect papers of interest to new engineering faculty and publish them as a special issue to be given to new faculty. The editors of CEE liked the idea of providing this service to new faculty in all engineering disciplines; however, analysis of the budget showed that a print edition was not economically feasible. We then switched our attention to producing a collection of pdf files that could easily be downloaded free from the CEE website. Analysis showed that producing a collection of CEE papers (essentially a virtual issue of CEE to help new faculty startup) was feasible.

Phil Wankat, CEE co-editor, made an initial selection of papers and Don Visco did a detailed commentary of the contents of each paper. The list and commentary was then sent to an ad hoc committee (Don Visco, Phil Wankat, Jennifer Curtis, Stewart Slater, and Lynn Heasley) for review. The entire committee preferred short articles—this led to inclusion of a number of one-page Teaching Tips and two-page Random Thoughts columns. After several passes, the committee came to agreement on the 26 papers to include and on the order to list the papers. The short commentaries in this collection were written by the collection editors, and Lynn Heasley, CEE managing editor, put this collection together.

We hope that new engineering educators, and perhaps also experienced educators, find this collection to be useful. Although the target audience of CEE is chemical engineering educators, only four of the 26 articles contain specific chemical engineering content. Thus, we believe that there is material of interest to engineering educators in all disciplines.

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CEE, 46(2), 73 (Spring 2012)

CEE, 48(4), 250 (Fall 2014)

#3. L. Bullard, “Teaching Tip: Tips on Efficient, Effective, Student-Centered Teaching,”
CEE, 44(4), inside front cover (Fall 2010)

#4. R. Brent and R. Felder, “Random Thoughts: How to Prepare New Courses While Keeping Your Sanity,”
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CEE, 40(2), 110 (Spring 2006)

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CEE, 43(2), 125 (Spring 2009)

#10. M.H. Lamm and C.E. Brewer, “Teaching Tip: Plus-Minus-Interesting Exercises to Encourage Student Reflection,”
CEE, 48(2), inside front cover (Spring 2014)

#11. M. Liberatore, “Teaching Tip: Two Minutes of Reflection Improves Teaching,”
CEE, 46(4), 271 (Fall 2012)

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CEE, 44(4), 306 (Fall 2010)

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CEE, 34(1), 16 (Winter 2000)

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CEE, 34(3), 198 (Summer 2000)