

in technology the contents of the course may need revision, but the amount of time devoted to process control will not decrease.

REFERENCES

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ChE stirred pots

LACEY LECTURESHIP

The tradition of honoring the recipient of the Lacey Lectureship Award each year with a poem tailored to that recipient's particular interests continues at CalTech. The latest tribute was written by Professor R. A. Aris and recognizes in verse the Nineteenth Annual William N. Lacey Lecturer, Tom Hanratty.

(UNTITLED)

(With apologies to George Gordon Lord Byron)

*He talks of transport like a night
Of boist'rous wind and stormy skies,
Of mass that's moved from left to right
By D_j s and v_i s,
Enhanced by eddies, loose or tight,
Which laminated flow denies.*

*One whorl the more, one turb the less
Had half impaired the transfer rate
Which 'stricted eddies would repress
In space which walls delineate,
Where Navier and Stokes express
How swift, how soon they dissipate.*

*So from the Shell Distinguished Chair
To Lacey's campus near the sea
Rings out the challenge, fair & square:
What shall th'interpretation be
Of matters physical transfer?
Sincerely yours, Tom Hanrattée.*

R. A. Aris

SPRING 1986

REQUEST FOR FALL ISSUE PAPERS

Each year CHEMICAL ENGINEERING EDUCATION publishes a special fall issue devoted to graduate education. This issue consists 1) of articles on graduate courses and research, written by professors at various universities, and 2) of announcements placed by ChE departments describing their graduate programs. Anyone interested in contributing to the editorial content of the fall 1986 issue should write the editor, indicating the subject of the contribution and the tentative date it can be submitted. Deadline is June 1st.

ChE letters

COMPUTER COMPULSION?

Dear Editor:

The articles of Professors Luss and Denn in one issue (Winter 1986) indicate the width of knowledge our society would wish to expect of chemical engineering graduates. While it is important that a chemical engineer involved *e.g.* with reactors should be equally conversant with spreadsheets, the FORTRAN/PASCAL/C languages and with multiple steady states/bifurcations, our current (and perhaps inordinate) enrapture with computing devices threatens to relegate the latter *i.e.* analytical thinking and a clear understanding of fundamentals, to second place. We will doubtless form one day a mature attitude towards this fast and powerful machinery, but until then, we must insist relentlessly that our students acquire a balanced view of what computers can and cannot offer.

Sincerely,

T. Z. Fahidy

University of Waterloo

ChE book reviews

LIQUIDS AND LIQUID MIXTURES, 3rd Edition

*By J. S. Rowlinson and F. L. Swinton
Butterworths, London, 1982. \$69.95*

Reviewed by
Keith E. Gubbins
Cornell University

Thirteen years have elapsed between the appearance of the second and this, the third, edition of this authoritative monograph on liquids and liquid mixtures. In that time much has happened in both the experimental and theoretical aspects of the subject. Many new and more accurate measurements of ther-

Continued on page 83.