

- No reduction in load is granted for advisement of college organizations.
- Most schools do not grant release time for new course and laboratory development.
- About one half the schools do not give release time for advisement of senior projects, M.S. and Doctoral Students. About 70% of these, however, are on a 6-9 hour teaching load rather than a 12 hour base load.
- Differential weighting of graduate versus undergraduate courses is not the rule in most schools. It can be included in an adequate overall reduction in load for the graduate program. In schools with graduate programs, the base load is 6-9 hours rather than 12 hours and a reduction has already been considered.
- No reduction in load is granted for college committee work since most replies seem to feel that committee assignments even out.
- An average correlation of FTE Faculty (F) and FTE Students (S) is

$$F = \frac{8}{4.641 + 0.00139 S}$$

TABLE 6. Auxiliary Departmental Personnel, (Mid America State Universities Association Peters, Eng. Ed. 61, No. 7, 840-843, 1971)

TYPE OF PERSONNEL	FTE FACULTY REQUIRED PER FTE OF EACH TYPE OF PERSONNEL
Teaching Assistants	2
Secretarial Assistance	
Lower Division	10
Upper Division	6
Master's Program	2
Doctoral Program	2
Recommended	4
Technician Assistance	
Lower Division	10
Upper Division	6
Master's Program	2
Doctoral Program	2
Recommended	4

ChE books received

GLOSSARY OF CHEMICAL TERMS

C. A. Hampel and G. G. Hawley

Van Nostrand Reinhold, 1976, 281 pp., \$14.95.

This glossary is a reference for students of chemistry and chemical engineering and professionals in other sciences who need basic definitions of chemical technology. It contains 2,000 entries including terms used in the several subdivisions of chemistry and chemical engineering and those in common usage in the chemical industries.

BOOK REVIEW

PETROLEUM AND THE CONTINENTAL SHELF OF NORTH WEST EUROPE—Volume 2 Environmental Protection

Edited by H. A. Cole,

Halsted Press, 1975, 126 pages.

Reviewed by James D. Wall, HYDROCARBON PROCESSING, Houston, Texas

This work is a compilation of articles and floor discussion from a meeting involving geologists associated with the North Sea. Thirteen articles discuss definition of the pollution problem in producing oil offshore, the general effects of oil pollution on elements of the environment and isolated requirements for control involving political and monitoring considerations.

The work is disappointing for those familiar with the oil industry and the environment. It suffers from lack of depth in review for those familiar with the subjects. Particularly does it suffer from lack of significant association to the problems in the North Sea. Most of the work could have been written for any offshore operation or any oil-water situation.

For those unfamiliar with oil production or environmental protection, the work does give a review of part of the data such that an opinion could be developed relative to the significance of the problems encountered. □

DUKLER: Role of Waves

Continued from page 117.

- 4, 207 (1972).
8. Emmert, R. Y. and R. L. Pigford, *Chem. Eng. Prog.*, 50, 87 (1954).
9. Gjevik, B., *Phys. Fields*, 13, 1958 (1970).
10. Javidani, K. and S. L. Gorlo, *Progress in Heat and Mass Transfer*, 6 (1972).
11. Kafesjian, R. C., C. A. Flank and E. R. Gerhard, *AIChE J.*, 7, 464 (1961).
12. Kapitza, P. L., *Collected Papers of P. L. Kapitza*, MacMillan, N. Y. (1964).
13. Lee, J., *Chem. Eng. Sci.*, 29, 1209 (1969).
14. Levich, V. G., *Physicochemical Hydrodynamics*, Prentice Hall, New Jersey (1962).
15. Purlinski, S., *Ind. Eng. Chem. Fund.*, 3, 49 (1964).
16. Rushton, E. and Q. A. Davis, *AIChE J.*, 17, 671 (1971).
17. Taitel, Y. and A. E. Dukler, *Int. J. Heat. Flow*, 2, 591 (1976).
18. Taitel, Y. and A. E. Dukler, *AIChE J.*, 22, 47 (1976).
19. White, D. A. and J. A. Tallmadge, *Chem. Exp. Sci.*, 20, 35 (1965).