

BOOK REVIEW

Handbook of Laboratory Unit Operations for Chemists and Chemical Engineers, J. Pinkava. English translation edited by J. Bryant. Gordon and Breach Science Publishers, New York, (1970), 446 pp.

The author of this book, the first edition of which was published in Czechoslovak, is associate Professor of Chemistry at the Institute of Chemical Process Fundamentals Czechoslovak Academy of Sciences. In his preface he states: "Where the book will be of particular value to the chemical engineer is in helping him to reduce considerably the cost of construction and testing of experimental and small-scale installations emphasizing as it does the use of glass as a constructional material." The book comprises five sections of thirty chapters. Section 1 on measurement covers flow measurement, thermometry, manometry, level, densitometry, viscometry, refractometry, hygrometry, and other quantities. Section 2 describes control of flow, temperature, pressure, level and time. Section 3 describes the operations of pumping, mixing, thermal operations, fluidization, drying and others. Section 4 is devoted to basic model components such as valves, solenoids, lubricants, packing, cements, joints, and insulation. Section 5 discusses safety precautions against electrical accidents, fire, poisons, corrosives, pressures and explosives.

This is not a textbook. It is, rather, a very good reference compendium of experimental techniques and devices useful to the researcher in a process development laboratory. These devices are illustrated by 463 line drawings which are abbreviated schematics but they serve well enough to give the experimenter direction in applications to a small pilot plant operation. If the experimenter requires more detailed information, a bibliography of 12 pages is keyed to the chapters. A List of References containing 1596 items provides still more information if it becomes necessary to search still more for details.

The Index comprises 12 pages. It appears to be more extensive than many indices seen by this reviewer.

This volume is not a good example of the book-makers art. The paper is too thin and translucent for the printing is faintly visible through the page. The binding boards are paper-covered and thus unable to sustain heavy usage.

For the chemist or chemical engineer who is engaged in experimental process development essentially in glass on a bench scale, this book should be very valuable and to them it is highly recommended.

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CHE DIVISION ACTIVITIES

CHE SUMMER SCHOOL

The 1972 Summer School for Chemical Engineering Faculty will be held August 13 through 18, 1972 at the University of Colorado in Boulder.

Questions should be directed to the Director of the Summer School, L. Bryce Andersen, Newark College of Engineering, Newark, N.J. 07102.

ASEE MEETING AT TEXAS TECH

Although most of the Chemical Engineering Division activities will be concentrated at the Summer School in Boulder, there will also be a program at the ASEE meeting at Lubbock, Texas, June 19-22. Dr. Arnold Gully of Texas Tech is Program chairman.

Wednesday, June 21

12:00-1:30 Division Luncheon

1:45-3:30 The Master's Degree-Goal of the Next Decade? A. J. Gully, Chairman

3:45-5:30 Department Heads Discussion (open to all members) "Faculty Teaching Loads and Productivity," E. B. Stuart, and R. E. Slonaker, Discussion Leaders

GRADUATE ISSUE PAPERS

Each year CHEMICAL ENGINEERING EDUCATION publishes a special Fall issue devoted to graduate education. This issue contains articles on graduate courses that are written by professors at various universities and of advertisements placed by departments of chemical engineering describing their graduate programs. Each department is provided with several free copies to distribute to seniors interested in graduate work. Since we are now planning a similar issue for Fall 1972, we would be interested in learning if you would like to contribute a paper on your graduate course. These papers are to be no more than 10 double-spaced typed pages (or their equivalent in sketches, tables and drawings.) Our final selection of papers is based on the objective of achieving a balance among areas, schools and authors in a given issue and in preceding ones.

If you would be interested in preparing a paper please write the editor, Ray Fahien, University of Florida, Gainesville, Fla. 32601. Include title of course and date paper will be submitted.