The PRIDE program combines individualized instruction, increased emphasis on design courses, and programmed instruction to provide Professional Reasoning with Design Experience.

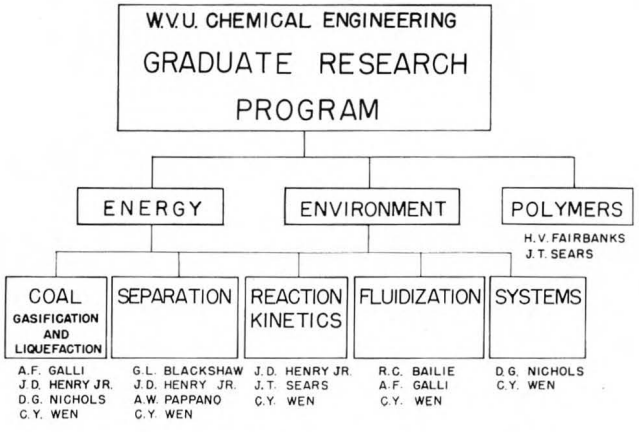
osmosis pilot plant to study the possibility of producing potable water from acid mine drainage.

Extensive research is underway on novel separation processes. Joe Henry's research on dual functional separations combines the interactions of surface, electrokinetic, and diffusion phenomena to develop novel separation techniques. The relevance of these research projects is reflected by the solicitation of Henry and Wen to teach courses on New Separations and Heat Transfer in Fluidized Beds for the AIChE Today Series.

Graduate students are encouraged to take an active role in the department's research activities. Besides the M.S. Ch. E., for students who have earned a B.S. Degree in ChE, students who hold a baccalaureate degree in ChE, in other fields of engineering, or in the physical sciences may work toward the M.S.E. in a broad interdisciplinary program.

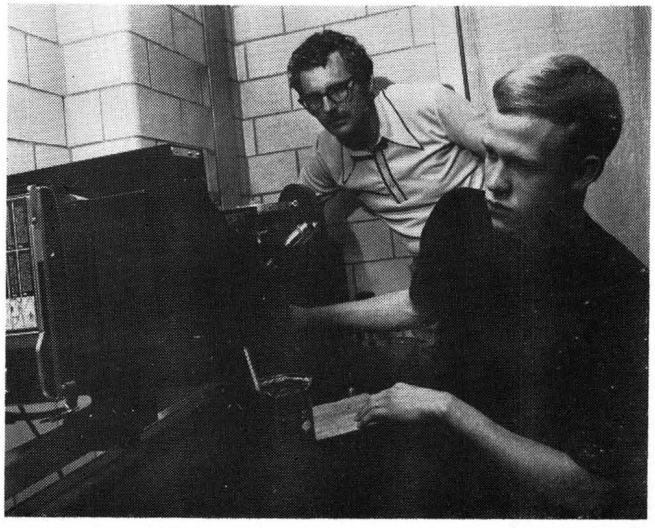
Some of the projects in which these students are involved include fluidization, materials science, separation processes, simulation, and optimization. Interdisciplinary research has also been conducted in biomedical engineering.

For the past fiscal year, $1,200,000 in federal funds have been awarded to the College of Engineering for research in the coal/energy field. The energy research program is diverse, e.g., projects are underway on energy policy, energy farming,



and tertiary oil recovery in addition to coal conversion. Almost half of these grants were administered by the ChE faculty. In addition, grants have been received for research in such diverse areas as dual functional separations, polymer processing and biomedical engineering.

From the state's earliest days, West Virginia's mountaineers have had a reputation for bold thought and decisive action. These characteristics are reflected in the innovative curriculum and farsighted research objectives developed by WVU's Department of Chemical Engineering. Confident of their preparation, students leave the university



Students in the PRIDE program work in laboratories with faculty supervision. Here Dr. Duane Nichols is shown with student.

to pursue their careers. Some go to work in cities and towns in all parts of the country. Others stay here to apply their technical skills to the development and implementation of the potential of West Virginia. □

ACKNOWLEDGEMENT

The faculty expresses its sincere thanks to Susan S. Dotson for writing this article and Marian W. Jones for her editorial work.

ChE letters

Sir:

Since it is the only one of its kind, your readers may be interested in learning of the publication of the book *Comprehending Technical Japanese*, written by E. Daub, R. B. Bird and N. Inoue and published by the University of Wisconsin Press. We hope it will be a useful teaching book and research tool for engineers and scientists.

R. Byron Bird
University of Wisconsin