

Society selects first industrial post-doctoral fellows

The American Physical Society has announced that John Barrett (Williams College, Williamstown, Mass.), Joan Lurie (Rider College, Lawrenceville, N.J.) and Stephen Jacobs (Brandeis University) have been chosen as the first recipients of the APS Industrial Post-Doctoral Fellowships.

The fellowship program was established originally to allow two well-qualified physicists to work in industries where relatively few PhD physicists have been employed in the past; however, the program was expanded to support three fellowships by action of the APS Executive Committee during their Shelter Island meeting in June.

Barrett received his fellowship for work at the Washington Research Center of the W.R. Grace Co (Columbia, Md.). He is expected to help develop a non-destructive technique for studying the mechanism of polymer curing with ultraviolet light; he may also investigate the use of noble metals on catalytic surfaces. Barrett has been a post-doctoral teaching and research associate in the Williams College physics department. He received his PhD in 1975 from the University of Michigan for research on the energy loss of electrons in nitrogen and he had served as research assistant in the University of Michigan high-altitude engineering laboratory. Barrett also worked as an engineer and consultant on optical-equipment problems.

The Colgate-Palmolive Co research and development department in Piscataway, N.J. is the fellowship host for Lurie, associate professor of physics at Rider College. Among the research problems of mutual interest are the development of a method for rapid analysis of fiber-surface profiles and also the problem of stain removal from modern synthetic fibers. Lurie received her doctorate from Rutgers University in 1967 for theoretical work on magnetic shielding in rare gases. She had worked previously on the development of a high-resolution television camera for use in satellites and on the software system for a digital computer-controlled space-transit planetarium.

Jacobs, formerly senior research associate at Brandeis University, has been in residence at Brookhaven National Labo-



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ratory where he has been building new devices and systems for high-energy physics experiments. He has been awarded the fellowship for work on the development of new electrostatic printing processes in the Corporate R&D Division of the International Paper Co in Tuxedo Park, N.Y. Jacobs received his PhD in 1972 from Syracuse University for research on baryon and meson spectroscopy.

The three fellowship recipients were chosen from some 50 physicist applicants by the APS Industrial Post-Doctoral Fellowship Selection Committee, headed by Norman A. Ramsey (Harvard University). Of this group, nine candidates were invited in April to appear for interviews in Washington, D.C. and, subsequently, five finalists visited with some of the nine companies chosen as possible hosts. Then both the finalists and the industrial organizations submitted letters stating whether there was a mutual interest in a specific fellowship arrangement and outlining work that could be done during the fellowship year. About 50 industrial organizations had asked to be considered as host for the program, which is administered by Joseph A. Burton, APS Treasurer.

During the year, both the Fellows and the hosts will be asked to write an interim report for the Fellowship Committee evaluating the program. Final reports are due at the end of the year. The fellowship stipend of \$18 000, which includes expenses such as relocation costs, travel and insurance coverage, is contributed by the Society and the fellowship hosts, each

paying half. Fellows are expected to assign patent rights to the host company and to sign agreements to protect proprietary information.

The Executive Committee has asked APS President George E. Pake (Xerox Corp) to write letters of commendation to Sidney Millman (American Institute of Physics) and Burton, who together developed the original program concept and have worked to ensure the success of the project.

Booklet advises women on careers in physics

Women in Physics, a booklet about opportunities in physics for women and contributions by women physicists, is now available.

The booklet, which was prepared by Laura Roth (State University of New York, Albany), is designed to help young women who are planning their college programs of study. It contains discussions of areas of physics research, characteristics of theoretical and experimental research, basic and applied research, job prospects, career preparation, job discrimination, and the combination of marriage and career. Profiles of a number of women physicists describe their work and training.

The booklet may be obtained by writing to the APS Committee on the Status of Women in Physics, 335 East 45th Street, New York, N.Y. 10017. Single copies are free; multiple-copy order prices are available upon request. □