

her career, Bautz told us, she has sustained an interest in the areas in which she conducted her research—stellar evolution and clusters of galaxies.

DOE awards to untenured particle physicists

The DOE Office of Energy Research has selected Thomas DeGrand (University of Colorado), Ray Hagstrom (Argonne National Laboratory), John Lo Secco (Caltech), Paul Steinhardt (University of Pennsylvania) and Michael Witherell (University of California, Santa Barbara) for the Outstanding Junior Investigators program in FY 1982. The program was initiated in 1978 to assist the research support of outstanding untenured high-energy

physicists who might otherwise leave the field for lack of permanent positions. Proposals, considered by DOE on a continuing basis, should be submitted by sponsoring organizations to R. L. Thews, Physics Research Branch, Division of High Energy Physics, DOE, Washington, DC 20545.

in brief

Materials Science Programs, Fiscal Year 1981, which summarizes all DOE programs underway in basic materials science as of 30 September 1981, has been published by DOE. It is available for \$13.50 (on microfiche, \$3.50) from the National Technical

Information Service, US Department of Commerce, 5285 Port Royal Road, Springfield, VA 22161. (Request No. DOE/ER-0106, UC-25.)

A report prepared by the National Research Council, *Career Outcomes in a Matched Sample of Men and Women PhDs*, is available from the National Academy Press, NAS, 2101 Constitution Avenue, N. W., Washington, DC 20418.

The Optical Society of America is conducting a fund drive for the \$504 000 it needs to buy and renovate the two townhouses in the Dupont Circle neighborhood of Washington, DC, it has occupied since 1979. The campaign, to continue until early 1984, has raised \$438 000, mainly from corporate and individual contributions, since it began in 1980.

For 1981 physics graduates: salaries up, offers down

While the starting salaries of new physics graduates are continuing to rise, the number of job offers they get has declined somewhat, according to the 1980-81 *Graduate Student Survey*, prepared by Susanne D. Ellis of the AIP Manpower Statistics Division.

In 1981 the greatest salary increases went to graduates with the most advanced degrees. The median salary of 1981 PhDs in potentially permanent positions was \$2470 monthly, 12% higher than the 1980 median; for graduates in postdoc positions the median rose 11%, to \$1460. For graduates with terminal masters' degrees, the rise was 9%, to \$1900; for bachelor's recipients it was only 6%, to \$1660.

An index by which Ellis assesses demand, the percentage of new graduates receiving two or more job offers by September, shows a slight decline for 1981 graduates, to 52%, after increases since 1974. There has also been an increase, to 4% from 2%, in the portion of new doctors who are offered no jobs. The percentage of new master's recipients receiving two or more offers remained the same as it was in 1980, 40%, and the percentage of those getting no offers rose slightly, to 12%.

The new survey also shows that the employment advantage that experimenters have had over theorists has disappeared. In 1981 theoretical physicists were more likely to receive offers for two or more jobs than were their experimentalist colleagues.

The employment prospects for astronomy PhDs were found favorable: All respondents who sought jobs found them. The number seeking jobs in 1981 was small, however, because the num-

ber of new astronomy doctors fell to 82, the lowest number since the Division first tabulated such data, in 1976.

The percentages of foreign enrollments and graduates are continuing to increase. The portion of first-year graduate students who are foreign citizens rose to one-third from one-fifth, the portion in the early 1970s. The number of foreign PhDs went from 22% to 26% between 1981 and the previous year. At the same time, the portion of US PhDs who started employment overseas rose from 3% in 1980 to 5% in 1981.

Of 1981 PhDs who obtained potentially permanent employment, 10% were foreign citizens, a figure unchanged from the previous year, Ellis told us. In postdoc positions, however, the proportion of foreigners doubled last year, to include one-quarter of such jobs. (These data do not appear in the *Survey* for want of space.)

During the 20-year history of the *Survey*, as trends call for elaboration and curiosity arises about new matters, the *Survey* includes new questions. This year graduate students were asked about their membership in professional societies. The responses indicate that 31% of all graduate students and 61% of new PhDs are members of such societies.

The survey is available, free, from Susanne D. Ellis, Manpower Statistics Division, AIP, 335 East 45 Street, New York, N.Y. 10017. Request publication R-207.14.

Marmet, Stoicheff head Canadian Association

Paul Marmet is the president for 1981-82 of the Canadian Association of Phy-

sicists, and Boris Stoicheff is the new vice president-elect.

Marmet received a BSc at Laval University in 1956 and a DSc in physics there in 1960. He became an assistant professor at Laval in 1961 and has been professor there since 1967. He has worked on experimental equipment and techniques used to study atomic and molecular phenomena, including an electron velocity selector, mass spectrometers, and high-sensitivity and high-resolution magnetic equipment.

Stoicheff, who will succeed the present vice-president, A. R. Crawford of Anatek Electronics, was educated at the University of Toronto, earning a BSc in 1947, an MA in 1948 and a PhD in physics in 1950. He worked at the National Research Council as a research officer in the division of pure physics from 1953 to 1964. He has been professor of physics at the University of Toronto since 1964. He was president of the Optical Society of America in 1976. He has done work in molecular spectroscopy and structure, light-scattering processes and laser spectroscopy.

Waring elected president of Sigma Pi Sigma

Richard C. Waring, associate professor at the University of Missouri, Kansas City, has been elected for a two-year term as president of Sigma Pi Sigma.

In the same election the following faculty members were elected to the SPS National Council: Jerry P. Draayer (Louisiana State University), Gary P. Agin (Michigan Technological University), Robert Wood Green (Morningside College) and Philip T. McCormick (University of Santa Clara). □

the physics community