

and a newsletter for Asian physicists.

- Establishment of an international center for experimental physics and centers for the training of middle-level and high-level technical personnel.

- Development of specialized facilities, such as a research vessel for oceanographic, meteorological and offshore exploration.

- Establishment of regional accelerators, reactors and telescopes.

- Institution of travel grants and fellowships for exchange physicists to conduct research within Asia.

Further information about the new society can be obtained from S. Radhakrishna, Physics Department, Indian Institute of Technology, Madras 600 036 India.

Undergraduate research journal to begin in 1982

The *Journal of Undergraduate Research in Physics*, to be published by Guilford College for the American Institute of Physics and the Society of Physics Students, is to have its first issue in April 1982.

The *Journal* will be edited by Rexford E. Adelberger, associate professor of physics at Guilford College. The College has agreed to provide the journal with office space and accounting services. AIP and SPS have recently agreed to support the journal financially during its first two years before it is expected to be self-sustaining.

Two 30-page issues will be published each year, in April and October. Authors will present research they did as undergraduates in papers sponsored by full-time faculty members. Articles will be accepted in any area of pure or applied physics as well as in physics-related fields. The journal was conceived to enable undergraduates, especially those at small colleges, to publish their work. Dion W. J. Shea, SPS Director, and Adelberger feel that the journal will be a source of new ideas for research for undergraduates and will encourage them to do research and communicate their ideas.

Subscription rates are intended to be low—\$3 a year for SPS members, \$5 for individuals and \$10 for institutions within the United States. Manuscripts and inquiries about possible manuscripts and subscriptions should be addressed to R. E. Adelberger, Physics Department, Guilford College, Greensboro, N.C. 27410.

New PhD salaries are 17% higher

The employment prospects for physics graduates continue to improve. The 1979–80 *Graduate Student Survey* pre-

pared by Susanne D. Ellis of AIP's Manpower Statistics Division reports that 1980 doctorate recipients in potentially permanent jobs received salaries 17% higher than those 1979 PhDs obtained (\$2200, up from \$1880 monthly). A substantial share of this increase results from the greater percentage of graduates in 1980 who took jobs in industry, where salaries are highest. Of 1980 PhDs—there were 912—31% became so employed; of 1979 PhDs, only 27% did.

In addition to obtaining higher salaries, 1980 physics graduates received more job offers prior to graduation. In 1980 only 2% of graduating PhDs had no job offers, whereas 6% had none in 1979 and 10% had none in 1975. (In each case, the percentage of theorists receiving no offers was triple that of experimentalists.) The proportion of terminal master's recipients receiving no job offers also declined from 1975 to 1980.

A factor that will improve the relative employment opportunities for US physics PhDs in the future is the increasing proportion of foreign students (in particular, enrollments of students from Arab countries are rising). While 30% of first-year physics graduate students were foreign citizens, 26% of all graduate students were. Because foreign students are often obligated to return home after graduation, many will not be entering the job market here.

Another consequence of increasing foreign enrollments is the decrease in terminal master's degrees in physics (from 695 in 1978 to 653 in 1979 to 606 in 1980) because foreign students in physics usually go on to receive PhDs.

The survey, which has been conducted every summer since 1962, includes new kinds of data as Ellis notes new trends or seeks to explain apparent mysteries. For example, this survey divides the category of black students into US citizens and foreigners. This distinction clarifies why there is a relatively large number of black PhDs in the no-job-offer category. In fact, the percentages of US blacks and US whites obtaining no job offers are the same. It is foreign black students who, like other foreign students, received few offers owing to employers' reluctance to hire foreigners when US citizens are available.

The report is available, free, from Ellis, Manpower Statistics, AIP, 335 East 45th Street, New York, N.Y. 10017.

in brief

The American Astronomical Society is seeking applications from institutions that wish to be included in the 1981–82 Harlow Shapley Visiting Lectureships. Under the program, colleges and universities that lack

astronomy departments receive two-day visits by astronomers who present public lectures and teach classes as well as advise faculty and provide career guidance for students. Applications, due 4 September, are available from Harry Shipman, AAS Education Officer, Physics Department, University of Delaware, Newark, DE 19711, (302) 738-8749.

Applications for the Acoustical Society of America's F. V. Hunt Postdoctoral Research Fellowship in Acoustics are due 1 October. Candidates for the \$20 000 award should write to B. H. Goodfriend, Administrative Secretary, ASA, 335 E. 45 Street, New York, NY 10017.

NSF has named four new members to its Advisory Committee for Physics. They are Ralph D. Amado (University of Pennsylvania), Lee G. Pondrom (University of Wisconsin), Roy F. Schwitters (Harvard University) and John F. Waymouth (GTE Lighting Products).

Nominations are open until 15 September 1981 for the eighth Marconi International Fellowship Award, to be presented in 1982. The \$35 000 prize recognizes a winner's commitment to the betterment of the human condition and innovative contributions to emerging fields of communication science and technology. Inquiries should be addressed to W. O. Roberts, 1229 University Ave., 2nd Floor, Boulder, Colo. 80302.

Richard D. DeLauer, executive vice president at TRW, Inc., has been named by President Reagan to be his under secretary of defense for research and engineering. DeLauer, who has a doctorate from Caltech in aeronautics, will be filling the position held by William Perry in the Carter Administration. The under secretary is responsible for all Pentagon R&D activities.

The eighth and final volume of the National Science Foundation's assessment of precollege science, mathematics and social science education practices in the US, "What Are the Needs in Science, Mathematics, and Social Science Education? Views from the Field," is now available at no charge from Forms and Publications Unit, NSF, Washington, D. C. 20550. Request Publication SE 80-9.

Gordon and Breach has acquired world distribution rights for the English editions of two Chinese journals, *Science in China (Scientia Sinica)* and *Science Bulletin (Kexue Tongbao)*. Subscription rates are \$180.00 per volume, and back issues can be obtained at \$200.00. They are available from the Subscription Department, Scientific and Technical Book Services Ltd., P. O. Box 197, London WC2N 4DE, UK. □