

shall University in West Virginia, and Saturday and summer courses for high-school teachers and students at several universities. Funding for the various programs described comes from NSF and the states, as well as from participating schools and individuals.

The College-High School Interaction newsletter is compiled and sent free by Richard Sands of the Joint AAPT-APS College-High School Interaction Committee in the hope that descriptions of successful programs will encourage additional efforts. The APS Education Committee so far is paying expenses for this project of the committee. The first newsletter contains material selected from over 75 descriptions of activities the committee received. The newsletter, which will appear every few months, is being sent to almost 500 college and university physicists who are willing to act as liaisons to local high-school teachers, and to over 800 heads of departments.

Persons interested should contact Richard Sands, Department of Physics, 745 Dennison Building, University of Michigan, Ann Arbor, MI 48109.

AAPT starts journal on computers in teaching

The American Association of Physics Teachers is starting a new journal on the use of computers in teaching physics. It is likely to appear in early 1985.

The journal will carry information more specific and more technical than appears in the *American Journal of Physics* and *The Physics Teacher*, the other AAPT journals. Articles will cover such topics as software compatibility, the applicability of particular programs in drill and practice, simulation, computer-assisted instruction, or numerical analysis, and the use and misuse of computers in teaching.

A search committee is accepting applications for an editor. Inquiries should be directed to Larry Kirkpatrick, who is head of that committee and chairman of the AAPT committee on computers in physics education. His address is Department of Physics, Kansas State University, Manhattan, KS 66506. Applications will be accepted until 31 December 1983.

Bell Labs gives scholarships; seven go to physicists

Bell Laboratories has selected the first 25 doctoral students in physics, computer science, electrical engineering and chemistry to receive scholarships in a new program. Seven are in physics.

The awards were granted last fall.

They are expected to be given for an average of four years, the time recipients will need to complete their PhDs. In each succeeding year 25 more will be chosen, so that starting in 1986 there will be about 100 "Bell Labs scholars."

The awards include stipends of \$8400 plus tuition, book expenses and living costs. They will average, in total, \$20 000 per year. In addition, students will have the opportunity to work—for additional salary—at Bell Labs during summers with scientists working in their areas of study. After graduation, students are under no obligation to work for Bell.

Recipients are nominated by graduate departments selected by a panel of Bell scientists, who also select winners. Physics departments included in this year's awards are Berkeley, University of Chicago, Cornell, Harvard, University of Illinois, MIT and Stanford.

New astrophysics group started at Fermilab

An astrophysics group has been started at Fermilab supported by a grant from NASA.

In September, other astro-particle physicists joined David Schramm, who already divides his time between the lab and the University of Chicago. The group is headed by Edward Kolb, who came from Los Alamos, and Michael

Turner, who also will continue at the University of Chicago. Other members are Keith Olive (CERN) and David Seckel (University of Washington). David Lindley (Cambridge University) joined the group for a year beginning last fall; Alex Szalay (Eotvos Institute, Budapest) will join it for a year beginning in spring 1984. A workshop, "Inner Space-Outer Space," is planned for spring 1984.

Travel awards to international crystallography congress

The US National Committee of the National Research Council is administering a travel award program to provide partial travel support to a limited number of US scientists attending the 13th Congress of the International Union of Crystallography being held in Hamburg, FRG, 9-18 August 1984. All are welcome to apply, but the award program will focus on assisting outstanding younger scientists, including senior graduate students, who until now may not have had an opportunity to participate in international meetings. The deadline for posting applications is 31 January. Application forms can be obtained by writing Peggy J. Posey, Staff Officer, National Academy of Sciences, 2101 Constitution Avenue NW, Washington, DC 20418, or by phoning her at (202) 334-2156.

in brief

turing Industries: 1977-1980" is available by requesting NSF 82-331 from the Division of Science Resources Studies, NSF, 1800 G Street NW, Washington, D.C. 20550.

The Japanese subscription agency, Kinokuniya Company, has been appointed AIP's exclusive agent to fill non-member subscription orders from Japan for AIP and for Member Society journals distributed by AIP. AIP's agreement with Kinokuniya provides that journals will be sent to non-member subscribers in Japan at a favorable air freight rate. The foreign sea mail rate will no longer be available to non-member subscribers in Japan. Member subscribers who elect to place their orders with Kinokuniya will benefit from air freight delivery at no additional charge.

Three societies have joined the fourteen already affiliated with the American Institute of Physics: The American Meteorological Society, the International Association of Mathematical Physicists, and the Materials Research Society. □

The Australian Optical Society held its first meeting in May in Sydney. Elections were held for officers: W. H. Steel is president; J. A. Piper, vice president; R. C. McPhedran, secretary; and J. L. Gardner, treasurer. A new Center for Fusion Engineering at the University of Texas, Austin, completes the triad of facilities for basic experimental, theoretical and engineering programs in magnetic fusion research at the University. A newly formed committee will coordinate these efforts with the existing Fusion Research Center and Institute for Fusion Studies.

Ezra D. Heitowit has moved from the House Subcommittee on Energy Development and Applications to the Subcommittee on Science, Research and Technology where his concerns include National Science Foundation activities and general science policy. He has a PhD in applied physics from Cornell, and was a plasma physicist at NASA's Ames Research Center. The NSF report "Changing Employment Patterns of Scientists, Engineers, and Technicians in Manufac-