

the physics community

Vacuum Society chooses Madey as president-elect

The members of American Vacuum Society have chosen Theodore E. Madey to be the 1980 president-elect. Madey, deputy chief of the National Bureau of Standards Surface Science Division, will follow John L. Vossen Jr of RCA Laboratories, Princeton. Vossen became the Society's president on the first of the year.

The new president-elect took his BS from Loyola College, Maryland, in 1959.



The University of Notre Dame awarded Madey a doctoral degree in physics four years afterwards. During the years 1963 to 1965, he served as a National Research Council research associate at NBS. In 1965, he was appointed to the staff of NBS. Madey's research has concerned the physics and chemistry of solid surfaces—in particular, the kinetics of adsorption on single-crystal surfaces, the interaction of slow electrons with adsorbed species, reactions at surfaces and catalysis.

Reelected to the position of Society clerk is Jack H. Singleton, Westinghouse Research Laboratories, Pittsburgh. J. Roger Young of General Electric Research and Development Center, Schenectady, N.Y., has again been chosen to serve as treasurer.

AIP employment survey for 1978 shows optimism

The employment outlook for 1978 physics graduates again showed improvement over the previous year, according to *Employment Survey 1978*, a report issued by the AIP Manpower Statistics Division. The report, a compilation of data from a

survey of 1232 recent doctoral, master's and bachelor's degree recipients, found a lower unemployment rate in 1978 (2%) than in 1977 (3–6%). In addition, the study showed that the majority of the physics graduates at all three levels secured employment within two months of entering the job market.

Other noteworthy insights into the doctoral employment market were found. A high proportion (85%) of PhD holders who began work in potentially permanent positions classified their work as "physics-related." While the total number of graduates who accepted postdoctoral fellowships continues the decrease of the last few years, the percentage of those whose fellowships were for one year or less increased from 42% in 1977 to 48% in 1978.

The survey, which is conducted in December of each year, is available at no charge from Susanne D. Ellis, Manpower Statistics Division, American Institute of Physics, 335 East 45th Street, New York, N.Y. 10017.

Alan Gent becomes rheologists' vice president

Alan N. Gent, professor of polymer physics and dean of graduate studies and research at The University of Akron, Ohio, has been elected vice-president of the Society of Rheology. He succeeds Edward B. Bagley, of the Northern Regional Research Center, US Department of Agriculture. Bagley now becomes the Society's president.

Gent took two undergraduate degrees at the University of London in 1946 and 1949. Six years later he received his PhD in physics from the same institution. During the period from 1949 to 1961 Gent worked for the British Rubber Producers

Research Association. He then joined The University of Akron faculty. Currently Gent serves as president of the newly formed Adhesion Society. Over the years, he has done work on the mechanical behavior of elastomers, and deformation, fracture, crystallization, adhesion, friction and wear in polymers.

Elliot A. Kearsley of the National Bureau of Standards, and Arthur S. Lodge of the University of Wisconsin were both elected members-at-large of the Society's Executive Committee. Montgomery T. Shaw, Edward A. Collins and Raymond R. Myers have returned to their respective positions as secretary, treasurer and editor of the Society.

in brief

The Exxon Education Foundation has established a new program of unrestricted grants to selected university science and engineering departments and scientific centers. The grant program will give support to university programs in fundamental research that may have an impact on energy demand. For further information, contact R. L. Payton, Exxon Education Foundation, 111 West 49th Street, New York, N.Y. 10020.

The American Vacuum Society is currently accepting applications for its scholarships for graduate research in vacuum science and technology, vacuum metallurgy, surface physics, thin films, and electronic materials and processing. Application forms, which may be obtained by writing to the American Vacuum Society, 335 East 45 St., New York, N.Y. 10017, must be returned to the same address by 31 March.

Visiting fellowships for study in environmental electromagnetics, solid-earth geophysics, atmospheric dynamics, atmospheric chemistry and climate dynamics are being offered by the Cooperative Institute for Research in Environmental Sciences. Applications for the 1980–1981 academic year should be mailed by 1 February to: The Director, Visiting Fellows Program, CIRES, Campus Box 449, University of Colorado, Boulder, Colo. 80309.

The National Research Council will award about 25 Postdoctoral Fellowships for Minorities under a new program for scientists, engineers and humanities scholars. Candidates should submit their applications by 1 February 1980 to Fellowship Office, NRC, 2101 Constitution Avenue, Washington, D.C. 20418.

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