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tor for higher education of the Ministry of Education 1965-67, representative of the Ministry for Scientific and Technical Research 1969-73, technical director of the Groupe Thomson 1974-78, president of a science committee of the OECD 1976-78 and Secretary of State for Research in the French Government under Valéry Giscard d'Estaing 1978-81.

Eric Chaisson, associate professor, department of astronomy at Harvard, is the 1981 winner of the AIP-US Steel Foundation Science-Writing Prize to a scientist. He won the \$1500 prize for his book *Cosmic Dawn: The Origins of Matter and Life*. Chaisson received a BS from the University of Lowell in 1968, an AM from Harvard in 1969 and a PhD in astrophysics from Harvard in 1972. After spending two years as a National Academy of Sciences Fellow, he was an assistant professor of astronomy at Harvard from 1974 to 1979, when he assumed his present position. His fields of interest, and those that the book concerns, are gaseous nebulae, interstellar matter, cosmic evolution and extraterrestrial intelligence.

The Prize for Industrial Applications of Physics goes to Alec N. Broers for his contributions to the technology of electron-beam lithography. Broers was born in Calcutta, India, received a BSc from the University of Melbourne in 1959 and from Cambridge University a BA in 1961 and a PhD in electrical engineering in 1965. He joined the IBM Thomas J. Watson Research Center in 1965 as a research staff member. After two years, he became manager of electron beam technology (1966-74) and then manager of advanced lithography projects. An IBM Fellow, he is currently technical assistant to the director of the IBM East Fishkill Development Laboratory.

Broers has worked on the development of precision electron optical equipment and the direct application of



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electron beams to the production of microcircuitry and to microscopy and, more recently, on general aspects of high-resolution lithography. In particular, he has worked on electron guns, cathode materials, high-resolution microfabrication techniques, ion etching and scanning electron microscopy. The prize, which is made on behalf of the AIP Corporate Associates, includes a cash award of \$5000.

Society of Physics Students elects Eidson

The Society of Physics Students has elected new officers. William W. Eidson, department head and professor of physics and atmospheric science at Drexel University, will serve a two-year term as president of the SPS National Council.

Other faculty members elected to the SPS National Council are C. Daniel Cole, University of Lowell; Ram P. Chaturvedi, State University of New York College at Cortland; Fred W. Oliver, Morgan State University; Charles K. Manka, Sam Houston State University and Morris W. Firebaugh, University of Wisconsin, Parkside.

Glen Daw, graduate student at New Mexico State University, was elected by the student councillors to be their representative on the SPS Executive Committee.

Subscription rates rise for AIP-owned journals

The AIP executive committee has raised subscription rates for 1982 for AIP-owned publications. Translation journal rates will rise on the average 25% and archival journals will go to the following amounts for members: *Applied Physics Letters* (\$30.00); *Journal of Applied Physics* (\$50.00); *The*

Journal of Chemical Physics (\$80.00); *Journal of Mathematical Physics* (\$40.00); *The Physics of Fluids* (\$35.00) and *Review of Scientific Instruments* (\$30.00).

Subscription income is designed to cover costs of printing, paper and postage. The increases are necessary to compensate for higher costs due to inflation and to pay for a higher quality paper and plastic shrink wrapping for better protection during mailing.

Another reason it has been necessary to increase the rates is that journal subscriptions have been steadily declining. The AIP archival journals had 22% fewer subscriptions in 1980 than they did in 1970.

AIP-produced spots: news from microworlds

"News from Microworlds," a series of five 2-minute science news spots, will soon be appearing on local television news programs.

The spots have been produced by David Kalson of AIP's Public Information Division under a \$160 000 grant from the NSF Public Understanding of Science Program. The present series is the first of three to be distributed this year, the second year of the program. The other two series will concern physics and the environment and physics in sports.

The microworlds spot will depict objects more and more minute. The first spot will show the movements within cells made visible by a new microscope; the next will concern computer chips; a third is about the design of molecules by biophysicists; another medical spot will discuss particle beams; and the last will arrive at neutrinos.

The spots are sent to the "100 top markets," television stations in the 100 largest US cities, free of charge. Stations are able to use them with or without AIP's narration, individually or in sequence. Last year 60% of stations receiving them used them.

in brief

Programs in Science, Mathematics and Engineering for Women in the United States: 1966-1978, a descriptive inventory of over 300 projects designed to increase the numbers and status of women in science, engineering and mathematics training and careers, is available free of charge from the Project on Women in Science, Office of Opportunities in Science, American Association for the Advancement of Science, 1776 Massachusetts Avenue, NW, Washington, D. C. 20036.