

ear plasma theory, non-neutral plasmas, intense charged particle beams and coherent electromagnetic wave generation by relativistic electrons.

AIP TAKES OVER TRANSLATION OF SUPERCONDUCTIVITY

Superconductivity: Physics, Chemistry, Technology is now translated, composed, printed and distributed by the American Institute of Physics. The 1989 volume of *Superconductivity* was translated and composed by scientific and technical staff at the Kurchatov Institute of Atomic Energy in Moscow. That arrangement was changed in 1990 by joint decision, and the entire production cycle was transferred to AIP. The Russian-language original will continue to be published by the Kurchatov Institute. For subscription information, see PHYSICS TODAY, April 1990, page 69.

AIP LAUNCHES NEW JOURNAL IN NONLINEAR SCIENCE

The governing board of the American Institute of Physics, meeting last October in Albuquerque, New Mexico, approved publication of a new journal, *Chaos: An Interdisciplinary Journal of Nonlinear Science*. The first issue of the quarterly journal will appear early this year.

Chaos will be a fully peer-reviewed journal with an editor in chief, 12 editors and an editorial board. The editor in chief is David K. Campbell, director of the Center for Nonlinear Studies at Los Alamos National Laboratory. Other editors include David Crighton of Cambridge University, Irving Epstein of Brandeis University, Mitchell Feigenbaum of Rockefeller University, Leon Glass of McGill University and George Zaslavsky, head of the department of nonlinear methods and computer simulations at the Space Research Institute in Moscow. The editorial board will be composed of internationally recognized experts representing a wide range of fields.

The plan is for *Chaos* to offer interdisciplinary perspectives covering both theory and applications. Special issues are expected to address topics such as Soviet-American research (drawing on conferences AIP has cosponsored with the Soviet Academy of Sciences and VAAP, the Soviet

copyright agency) and nonlinear science in physics, chemistry, biology, the social sciences, engineering and technology. Issues will contain a blend of pedagogical reviews, technical reviews, research papers and brief reports.

Individual subscriptions in the US cost \$55. Members of AIP member societies can get the journal at the discounted price of \$50. Institutional subscriptions are \$160. For information on rates outside the US, contact Member and Subscriber Services, AIP, 500 Sunnyside Boulevard, Woodbury NY 11797-2999; telephone (516) 349-7800 or fax (516) 349-7669.

DAVIDSON NAMED EDITOR OF PHYSICS OF FLUIDS B

The American Institute of Physics has announced the appointment of Ronald C. Davidson as editor of *Physics of Fluids B*. Davidson, who also has been named director of the Princeton Plasma Physics Laboratory (see story, page 59), was selected by a search committee headed by Barrett H. Ripin of the Naval Research Laboratory. He succeeds Fred L. Ribe, professor emeritus at the University of Washington, Seattle.

GOLDIN IS NEW MANAGER OF PHYSICS STUDENTS SOCIETY

Edwin Goldin has been named associate director of the Society of Physics Students, which is administered by the education division of the American Institute of Physics in Washington, DC. Donald Kirwan, the manager of AIP's education division, serves as executive director of SPS and, as such, concerns himself primarily with matters such as policy, external relations and funding. Goldin, as associate director of SPS and assistant manager of the education division, is responsible for day-to-day management of the society.

Goldin presides over a staff of three or four people who coordinate the affairs of SPS and Sigma Pi Sigma, the physics honors society. SPS has 6000 members and 564 chapters distributed among 18 national zones, while Sigma Pi Sigma currently has 58 000 lifetime members. Between 1000 and 1200 new members join the honor society each year, Goldin says.

Prior to joining AIP, Goldin was a

program officer with the fund for the improvement of postsecondary education (FIPSE) in the US Department of Education (1988-90), and before that he was a Congressional Scientist Fellow of The American Physical Society (1987-88).

Goldin earned a bachelor's degree at Temple University, a master's at Polytechnic Institute of Brooklyn and a PhD in physics at Polytechnic University of New York (formerly Brooklyn Polytech). He did postdoctoral work at Polytechnic, where he made an award-winning computer-animated film on quantum coherence called "Swinging Quanta."

During the 1960s and 1970s Goldin held faculty positions at Fordham University and Ramapo College, and from 1981 to 1987 he was a physics professor and head of the physics department at Bethany College.

GARMIRE IS THE NEW VICE PRESIDENT OF THE OPTICAL SOCIETY

Elsa M. Garmire of the University of Southern California is the new vice president of the Optical Society of America. After serving a one-year term, she will become president-elect in 1992 and then president in 1993. She took office on 1 January, succeeding Joseph W. Goodman of Stanford University, who is now president-elect. The 1991 president is John N. Howard, who is retired from the Air Force Geophysics Lab at Hanscom Field outside Boston, Massachusetts.

Garmire received a PhD in physics from MIT in 1965. From 1966 to 1975 she was a research fellow at Caltech, after which she joined the faculty at USC. She is now professor of electri-

Elsa M. Garmire

