Atomic Energy, initiated in 1959 to further technical cooperation in the peaceful uses of atomic energy, is presently being negotiated. The new memorandum calls for increased scientific and technical cooperation in low-, medium- and high-energy physics and accelerators; controlled thermonuclear reactions and plasma physics; nuclear reactors and atomic power stations, including breeder reactors; radiation chemistry; thermionic reactors and energy conversion, and the disposal of radioactive wastes. Visiting delegations will investigate these topics at various scientific establishments in the two countries, with smaller groups of scientists concentrating on research in specialized areas.

in brief

The Massachusetts College of Optometry announces a program of accelerated study toward the Doctor of Optometry degree (a two-year course). The program is open to candidates or holders of the PhD in fields related to optometry. Write to Joseph Jefferson, Division of Special Studies, Massachusetts College of Optometry, 424 Beacon St, Boston, Mass. 02115.

For information about the Computer Physics Communications Program Library, which is housed at the Queen's University of Belfast, write to The Program Librarian, CPC Program Library, Department of Applied Mathematics, Queen's University of Belfast, Belfast BT7 1NN, Northern Ireland. The library has been operating for three years and now contains a file of over 100 programs.

The papers of Ernest O. Lawrence have been given to the Bancroft Library at the University of California at Berkeley.

DePauw University's new $7.5 million Science and Mathematics Center was dedicated recently.

the physics community

Bell Labs seeks staff from minority groups

Bell Laboratories has started a program intended to find, develop and hire more candidates from minority groups for its professional research staff. The program, called Bell Labs Cooperative Research Fellowships, offers outstanding minority-group graduates tuition, living-expense stipends and summer employment in a research lab while they study for advanced degrees.

Once accepted into the program, each candidate works closely with a member of the technical staff at Bell Labs. The adviser will supervise the participant's work at Bell Labs during the summer and will help him plan his graduate studies.

When the participant has completed the requirements for an MS, his work will be reviewed and it will be decided if he shows enough promise to continue in the program. Those who complete the program and earn a PhD will be reviewed for appointment as members of the Bell Labs technical staff.

For further information, write to Sidney Millman, Bell Laboratories, Mountain Avenue, Murray Hill, New Jersey 07974.

$20 article charge for six AIP journals

The American Institute of Physics is re-establishing an article charge on six AIP-published journals to help support the cost of wide dissemination of research results through publication of journal pages and production of a data base of articles. The publications affected by the $20.00 charge for each article in addition to page charges are *The Journal of Chemical Physics, Journal of Applied Physics, Applied Physics Letters, The Physics of Fluids, Journal of Mathematical Physics* and *The Review of Scientific Instruments.*

The publication charge for these journals used to consist of two parts, a page charge and an article charge, until about three years ago when the article charge was suspended. The article charge is now reinstated to pay the input processing costs of micropublishing and data-base production required to improve dissemination to the technological community as a whole, which needs and uses research results of physics. The American Physical Society never discontinued its abstract charge comparable to AIP's article charge, and presently collects $15.00 per article in the *Physical Review* in addition to the page charge.

All publication charges are still voluntary; once an article is accepted by an editor, it is assured publication, although non-payment of publication charges may result in a delay in publication.

Francombe becomes AVS president

Maurice H. Francombe, manager of device and materials research at the Westinghouse Research Laboratories in Pittsburgh, is the new president of the American Vacuum Society. He succeeds Daniel G. Bills, who vacated the office on 1 January. The president-elect of the society for 1973 is Dorothy Hoffman, a member of the technical staff of RCA Laboratories in Princeton, New Jersey.

Francombe, who received his PhD in physics at the University of London, has done research in ferroelectricity, magnetism, sputtering of thin films, epitaxial growth and surface physics. His responsibilities at Westinghouse include supervision of research on dielectric films, magnetic and surface-wave devices and ion implantation. In 1963 he assisted in founding the thin-film division of AVS, and in 1968 he became its chairman.

Hoffman will become president of AVS in 1974. After receiving her MS in chemical engineering from Bucknell University, she worked as a research engineer and eventually became head of process development at the International Resistance Company in Philadelphia. While there she played a major role in the development of the evaporated metal film resistor. Formerly a member of the board of directors and secretary of AVS, Hoffman is presently in charge of the thin-film technology service group at RCA Laboratories.

Institute of Physics forms two new groups

The council of the Institute of Physics has approved the formation of a Quantum Electronics Group. The chairman of the steering committee for the new group is S. A. Ramsden, head of the Department of Applied Physics at the University of Hull, UK. In conjunction with The Chemical Society, IOP has formed a Neutron Scattering Group. B. T. M. Willis of the Atomic Energy Research Establishment in Harwell is chairman of the steering committee. Nonmembers desiring to join the groups should write to the Registrar, IOP, 47 Belgrave Square, London SW1X 8QX, UK. □