Research Laboratories postdoctoral fellowships; Merck senior postdoctoral fellowships; and RCA predoctoral fellowships in electronics. Detailed information and application forms can be obtained by writing to the Fellowship Office, National Research Council, 2101 Constitution Avenue, N.W., Washington 25, D. C.

Excellent progress is now reported for the manual of advanced undergraduate physics experiments which the American Association of Physics Teachers is undertaking to produce as a memorial to the late Lloyd William Taylor. This book, which will cover all fields of physics on the junior-senior college level, is to represent, as far as possible, the experience, ingenuity, and inventiveness of physics teachers everywhere. Already some one hundred persons have made contributions which go far toward meeting the editors' hopes for the book, but nevertheless it is feared that many fine ideas have not yet been sent in. Since March 1 must be set as the deadline for further contributions the editors of the manual urgently request that everyone interested in laboratory work on this level send in his contributions as soon as possible. The need is for *ideas* of all kinds, relating to experiments old or new, in any field of physics. Contributions may be sent to the chairman, Thomas B. Brown, The George Washington University, Washington, D. C., or to the editor concerned. The editors are: *Mechanics*—Ralph H. Bacon, 405 Bedford Road, Pleasantville, N. Y.; *Heat*—Robert L. Weber, Pennsylvania State University, State College, Pennsylvania; *Acoustics*—Louis R. Weber, Colorado State College, Fort Collins, Colorado; *Electricity and Magnetism, Electronics*—M. C. Harrington, Drew University, Madison, New Jersey; *Optics*—Herbert A. Nye, Cornell Aeronautical Laboratory, Buffalo, N. Y.; *Atomic Physics and Spectra*—Sanborn C. Brown, Massachusetts Institute of Technology, Cambridge, Massachusetts; and *Radioactivity and Nuclear Physics*—R. Ronald Palmer, Beloit College, Beloit, Wisconsin.

An interesting proposal for student exchange has been brought to our attention by C. W. Ufford of the University of Pennsylvania, who reports that the son of Kurt Fischbeck of the University of Heidelberg wishes to do graduate work in nuclear physics, preferably in the United States. Dr. Fischbeck proposes to send his son to live with the family of some university professor here who wishes to have his own son attend Heidelberg. Dr. Fischbeck will take the American boy into his own home in exchange. Each family would presumably bear the expense of travel, books, and fees, but room and board would be furnished by the "adopted" family. Dr. Fischbeck hopes to have some exchange arrangement settled in time for his son to start work toward the doctorate next fall. His address is Ludolf-Krehl-Str. 29, Heidelberg, Germany.

Placement Service

The AIP's Placement Service Register will again be in operation this winter at the American Physical Society meeting to be held January 27–29 at the Hotel New Yorker in New York City. Physicists looking for jobs are invited to write for application forms or further information to the American Institute of Physics, 57 East 55th Street, New York 22, N. Y. It is essential that applicants register prior to the meeting; completed forms must be received at the Institute office no later than January 10, 1955 to insure their inclusion at the time of the meeting. Personal interviews will be arranged between applicants and personnel representatives from industry, government agencies, and educational institutions during the three-day meeting, and it is therefore to the advantage of the registrants to be present. Employers wishing to post notices of available positions are invited to send job descriptions (15 copies measuring 8½ x 11 inches) to the Institute office or to post them at the meeting. A complete register of applicants will be available for a nominal service charge at the meeting and thereafter.

Research Facilities

Massachusetts Institute of Technology has announced plans for the construction of a new building to house the Karl Taylor Compton Laboratories for Nuclear Science and Electronics. The new laboratories are to be established in memory of Dr. Compton, former chairman of the MIT Corporation who died on June 22nd. Designed especially for MIT's work in nuclear science, nuclear engineering, electronics, and related activities under the departments of physics, electrical engineering, and chemical engineering, the building will provide about 125 000 square feet of floor space and will be built at a cost of $3 million. A like amount of money will be provided for support of work in the laboratories. MIT's proposed nuclear reactor, to be devoted solely to education and unclassified research, will also be associated with the laboratories.

A new petroleum research center near Houston was dedicated on September 11th by the Humble Oil Company. Designed to satisfy the company's research interests in a wide variety of geophysical and geochemical problems, the new complex of laboratories ($3 million worth) provides facilities and equipment for more than 300 research personnel.

Battelle Institute's nuclear energy research facilities are to undergo a $1.5 million expansion to provide for the enlargement of the Institute's contract research programs for industry and government in the atomic energy field. Construction of a nuclear reactor, a reactor development laboratory, and a nuclear fuels laboratory is scheduled to begin shortly. Plans also call for the installation of a large cobalt-60 source. The reactor is to be of the swimming-pool type, capable of operating at 1000 kilowatts, and will be used as a neutron source and for the production of radioisotopes, the activation of chemical reactions, and the study of the effects of radiation on structural and other materials. The laboratories will be located on a 397-acre tract of land near