ence teachers" who will have visited approximately 200 schools before the end of the school year, giving special demonstrations to science classes and conferring with teachers and administrators. Sponsored by NSF in cooperation with the AEC, which is contributing $38 000, the program is designed to stimulate interest in science and science-teaching careers on the part of secondary-school students. Further information by schools or individuals interested in applying for appointments as "traveling teachers" for 1957–58 may be obtained by writing to: Oak Ridge Traveling Science Demonstration Lecture Program, University Relations Division, Oak Ridge Institute of Nuclear Studies, P. O. Box 117, Oak Ridge, Tenn.

The Institute of Mathematical Sciences at New York University is offering temporary memberships to mathematicians and other scientists holding the PhD degree who intend to study and do research in the active fields of the Institute. These include functional analysis, ordinary and partial differential equations, mathematical physics, fluid dynamics, electromagnetic theory, numerical analysis and digital computing, and various specialized branches, such as hydromagnetics and reactor theory. The purpose of the program, which is being supported by the National Science Foundation and private industry, is to help alleviate the shortage of scientists in these fields. Temporary members will be given full use of the Institute's facilities and will receive stipends commensurate with their status. Membership will be awarded for one year, but may be renewed. Further information and application blanks may be obtained by writing to the Membership Committee, Institute of Mathematical Sciences, 25 Waverly Place, New York 3, N. Y.

Publications

Academic Press has announced the forthcoming publication of the *Journal of Molecular Spectroscopy*, devoted to "original research papers dealing with molecular spectra in emission and absorption, molecular spectra in the ultraviolet, the visible, the near and far infrared, and in the microwave region. It will also contain contributions on Raman spectroscopy and radiofrequency spectroscopy (including nuclear magnetic resonance spectroscopy)". The new periodical will be edited by Harald H. Nielsen and will be served by an Editorial Advisory Board consisting of Børge Bak, W. S. Benedict, Bryce L. Crawford, Jr., David M. Dennison, Michael Kasha, P.-O. Löwdin, S. Mizushima, James N. Shoolery, G. B. B. M. Sutherland, C. H. Townes, and H. L. Welsh. Academic Press plans to publish Volume 1, consisting of 4 issues, during 1957. The first issue is scheduled for release in May. Subscriptions for Volume 1, priced at $10.00, should be sent to Academic Press Inc., 111 Fifth Avenue, New York 3, N. Y.

Volume 1, Number 1 of the *IBM Journal of Research and Development* appeared in January 1957. The

Journal, under the editorship of C. B. MacKenzie, will be published quarterly and will contain original research papers from the laboratories of the International Business Machines Corporation and the IBM World Trade Corporation. It will cover the latest concepts and ideas in research and development as well as new and improved products used in physical and information research, mathematics, computer technology, and electronic and solid-state devices. Subscriptions are accepted at $3.50 per year in North America and $4.50 per year elsewhere. Editorial offices of the *IBM Journal* are at 590 Madison Ave., New York 22, N. Y.

Research Facilities

The formation of the Union Carbide Research Institute, to be located near Tarrytown, N. Y., has been announced by Union Carbide and Carbon Corp. The major purpose of the Institute will be to study the physical and chemical behavior of matter under various conditions of pressure and temperature. The new facilities are expected to be completed by the spring of 1958. E. R. Jette, formerly head of the Chemistry and Metallurgy Division at Los Alamos Scientific Laboratory, has been appointed director of the Institute. S. R. Aspinall, formerly with the US Office of Naval Research, and A. J. Stosick, formerly at the Caltech Jet Propulsion Laboratory, have been appointed assistants to the director.

Aerojet-General Nucleonics of San Ramon, Calif., has established a nuclear reactor training program open to individuals from industry, colleges and universities, the medical field, and power utilities. The program, which has no security requirements or government classification, is also open to students from abroad. Further information, including a course outline, may be obtained from Aerojet-General Nucleonics, San Ramon, Calif.

Battelle Memorial Institute, Columbus, Ohio, has established a Reactor Physics Division to coordinate the increased volume of reactor research now under way at the Institute. Under the direction of Joel W. Chastain, Jr., the new Division will carry out reactor design development through critical experiments, theoretical reactor design analysis, heat-transfer studies, and radiation effects programs and exponential experiments utilizing Battelle's one-megawatt nuclear reactor.

Pomona College, Claremont, Calif., has received an anonymous gift of $1 million for the construction of a new physics and mathematics building. The new structure will more than double the space now available for physics and mathematics instruction and will include such innovations as a two-story planetarium, laboratories for instruction in atomic and radiation physics, and two laboratory areas designed for experimental problems requiring freedom from vibration and from radiation. Construction will begin this spring and occupancy is planned for September 1958.