the Board of Governors will be selected. Additional sponsoring and cooperating societies are welcome and it is expected that others will support the new journal in the future. The business management is being undertaken by the American Institute of Physics and the printing will be done at the University of Toronto Press.

Professor Chalmers will be advised and assisted in his editorial chores by the following associate cooperating editors in various countries: Harvey Brooks (North America); Alan Cottrell (United Kingdom); P. Laurent (France); P. Coheur (Belgium); W. G. Burgers (Holland); G. H. H. Wassermann (Germany); E. Rudberg (Sweden); W. Boas (Australia); Antonio Scortecci (Italy). Additional associate editors for other areas will be appointed by the editor in the near future.

Requests for further information should be addressed to *Acta Metallurgica*, 57 East 55th Street, New York 22, New York.

Michigan Mathematical Journal

A new medium for publication of mathematical research is to appear under the above title, also in January. The journal, which will be issued semiannually, is to be published in lithoprinted form by the University of Michigan Press, and since close cooperation between author and typist is called for, articles are in general expected to be contributed by authors living in or near Ann Arbor. All inquiries should be addressed to *Michigan Mathematical Journal*, Mathematics Department, 3012 Angell Hall, University of Michigan, Ann Arbor, Michigan.

A Cornell Experiment

Televised Physics Teaching

Cornell University has announced a program for the televising of laboratory experiments in freshman and sophomore physics courses, an innovation that is expected to give students a better view of experiments, and instructors more opportunity to explain them. The main lecture room in Rockefeller Hall has been equipped to permit experiments to be televised from the instructor's desk to a viewing screen visible from all corners of the room, according to Lloyd P. Smith, chairman of the Cornell physics department. The television setup will be used to demonstrate phenomena such as Brownian movement, light interference, surface tension, and the behavior of high-energy particles in a cloud chamber. Planned with the cooperation of the Radio Corporation of America, the program will be carried out with the help of a midget RCA television camera which has been made available on loan. Faculty members who will use the equipment are Guy E. Grantham, F. L. Moore, Jr., Herbert F. Newhall, and D. H. Tomboulian.

Miscellany

The National Science Foundation has contracted with the National Academy of Sciences for a broad survey to determine the nature and extent of research and of teaching in applied mathematics in the United States. The survey, to be carried out with the cooperation of the Office of Naval Research, the Office of Ordnance Research of the Army, and the Office of Scientific Research of the Air Force, is expected to take one year. As part of the study, a conference on training and research needs in applied mathematics will be held during the spring of 1953 to consider the findings of the survey and to examine the future of research and teaching in the field. Data and recommendations of the survey and the conference will be made available to all agencies.

The Atomic Energy Commission's committee of senior reviewers, established six years ago to advise the AEC on the classification and declassification of scientific and technical information, has been increased from four to six members. The new members are R. H. Crist (Carbide and Carbon Chemicals Company), J. R. Richardson (University of California at Los Angeles), Thomas B. Drew (Columbia University), and John P. Howe (Knolls Atomic Power Laboratory). Previous committee members Warren C. Johnson (University of Chicago) and J. M. B. Kellogg (Los Alamos) have been reappointed. The two other members of the original committee, W. F. Libby (University of Chicago) and R. L. Thornton (University of California), requested that their resignations be accepted because of the press of other duties.

Case Institute of Technology has accepted an Air Force contract to study causes of adhesion. The project, directed by Case chemists J. E. Rutzler, Jr. and R. L. Savage, will be carried out by a team of workers which includes one physicist, S. M. Skinner, former chief scientist with the Air Research and Development Command's Office of Scientific Research.

A soundproof and echo-free ("anechoic") chamber for determining and calibrating the performance of all types of radio communications equipment has been installed at the Air Research and Development Command's Wright Air Development Center at Dayton, Ohio. Modeled after the sound chamber in Harvard University's Cruft Laboratory, the new facility was built at a cost of $35,000 for use in the Center's communications and navigation laboratory.

Argonne National Laboratory's new sixty-inch constant-frequency cyclotron, intended for use in Argonne's chemistry division, is reported to be in operation. Designed, constructed, and installed and adjusted to full performance by the Collins Radio Company of Cedar Rapids, Iowa, the machine is designed to accelerate deuterons to an energy of 22 Mev.

Neptunium 237, the long-lived isotope of element 93, has been isolated in extremely small amounts from pitchblende, it was reported to the American Chemical Society at Atlantic City in September. Heretofore undiscovered in a natural state, the neptunium sample was obtained by researchers at the Argonne National Laboratory whose work was described in a paper presented by Donald F. Peppard of Argonne. The isotope was first discovered ten years ago at the University of Cali-