

dents (11.4 percent under 1950 totals) was also less than had been expected, but pointed out that tuition income in many institutions has nevertheless been reduced "to a point which endangers their financial position in these days of inflationary operating costs".

Scientific Instruments

Record Sales Expected During 1952

A forecast that most makers and distributors of scientific instruments and laboratory apparatus will probably have their biggest year in 1952 has been voiced by J. Claire Evans, president of the Scientific Apparatus Makers Association, the national organization of the apparatus and instrument industry. With the industry's sales for 1951 about forty percent over those for 1950, Evans said, backlogged orders already total as much as half a year's normal production for many companies.

New Research Reactor

Developed by North American for the AEC

A low-cost, low-power nuclear reactor for use in industrial and institutional research and in training scientists and engineers in the operation of reactors has been designed by North American Aviation, Inc., according to a recent announcement by the Atomic Energy Commission. Estimated construction costs of the reactor have been set at about one million dollars. The design program was undertaken by North American at the Commission's request, and it is stated that development work on the reactor components is currently under way at the company's atomic energy research department at Downey, California. A graphite-uranium reactor, the instrument will make it possible to provide a source of short-lived isotopes for research centers located long distances from the Brookhaven and Oak Ridge National Laboratories, where such isotopes are now produced. The design calls for an octagonal shaped reactor to be operated at an energy rate equivalent to 160 kilowatts, according to the AEC, with a neutron flux of about 10^{13} neutrons per square inch. Provision has been made for a heavy water cooling system.

Reactor Technology

ORSRT Students Must Apply by March 1

Prospective students for the 1952-53 session of the Oak Ridge School of Reactor Technology have only until March 1, 1952, to complete their application forms for admission, it has been announced. A complete set of the necessary forms, including acknowledgment of an Atomic Energy Commission security clearance, must be filed by that date. The AEC's Committee of Admissions will then select approximately 70 students to attend the session that begins on September 8, 1952. Students are selected from two categories: Category A, recent graduates from universities; and Category B, representatives from industry and govern-

ment agencies. All applicants must hold a bachelor's degree or higher in chemistry, engineering, metallurgy, physics, or engineering-physics. Category A students are paid a stipend of \$285 per month for the training period; Category B students remain on the payrolls of their home organizations.

The school was established in 1950 by the AEC to provide training in reactor theory and technology to selected engineers and scientists who will engage directly in the AEC's reactor development program. The curriculum includes courses in reactor chemistry, nuclear physics, theory, experimental physics, metallurgy and ceramics, and engineering. Each class is in session for a twelve-month period, beginning in September. Category A students are available for employment at the end of the training period, when it is anticipated that they will join the AEC, its contractors, or other organizations interested in reactor development.

Additional information about the school and application forms for either category may be obtained from the Oak Ridge School of Reactor Technology, Post Office Box P, Oak Ridge, Tennessee.

Meteorology and Oceanography

Fellowships Available at NYU

New York University College of Engineering has announced the establishment of three new research fellowships in meteorology and oceanography to become effective in the academic year 1952-53. All three awards will provide full tuition and fees for nine months, with one carrying a cash award of \$1000, and another \$500. Applicants must have the bachelor's degree by September 1952 and must have completed courses in mathematics through differential equations and at least twelve semester hours of physics. Application forms and additional information may be obtained from Assistant Dean Henry J. Masson, Graduate Division, New York University College of Engineering, New York 53, N. Y. Completed forms should be submitted by April 1st.

Training in Statistics

Post-Doctoral Awards Available

A program of post-doctoral awards to provide training and experience in statistics for scholars whose main interests lie in other fields has been established by the Committee on Statistics, a department of the University of Chicago, under a five-year grant from the Rockefeller Foundation. There will be three awards per year to holders of the doctorate or its equivalent in the biological, physical, and social sciences. Each award will amount to \$4000 or slightly more, office space will be provided, and from \$600 to \$1000 will be available for clerical, computational, and research assistance. There will be no tuition charges. Recipients must spend eleven months studying statistics at the University of Chicago, and will be expected to pursue a number of regular courses.