research and teaching facilities of the Florsheim Cardiac Clinic, which was established in 1938. The clinic will move into larger quarters that will provide additional laboratories, examination and treatment rooms, and provisions for nursing care and social service. It will be on the third floor of the Montgomery Ward Memorial Building at Northwestern University Medical Center in Chicago.

Necrology

ISAAC A. ABT, Chicago, Ill.; 87; professor emeritus of pediatrics at the Northwestern University Medical School, Chicago, Ill.; 22 Nov.

ANDREW J. AKELAITIS, Pelham, N.Y.; 51; assistant professor of neurology at the Cornell University Medical College, New York; 24 Nov.

WILLIAM L. BRYAN, Bloomington, Ind.; 95; psychologist; president emeritus of Indiana University; 21 Nov.

CLEMENTS C. FRY, New Haven, Conn.; 63; psychiatrist in charge of the department of university health, Yale University, and lecturer in psychiatry and mental health; 24 Nov.

MAUDE GLASGOW, New York; 87; retired physician who lectured at Teachers College, Columbia University, New York; 20 Nov.

RICHARD L. HARRIS, Montrose, N.Y.; 59; assistant professor of clinical psychiatry at the Cornell University Medical School, New York; 23 Nov.

THOMAS C. MCBRIDE, Bryn Mawr, Pa.; 87; retired mechanical engineer; 24 Nov.

RUSH F. NEWCOMB, New Providence, N.J.; 77; retired electrical engineer, former treasurer of Bell Telephone Laboratories, Murray Hill, N. J.; 26 Nov.

MALCOLM PROUDFOOT, Oxford, England; 48; associate professor of geography at Northwestern University, Evanston, Ill.; 21 Nov.

LASZLO REINER, Verona, N.J.; 61; research associate at the Institute of Cancer Research, Columbia University, New York; 27 Nov.

HAROLD R. SANSTEAD, Silver Spring, Md.; 54; staff member of the Laboratory of Biochemistry and Nutrition at the National Institute of Arthritis and Metabolic Diseases; acting executive director of the Interdepartmental Committee on Nutrition for National Defense; 1 Nov.

WILLIAM B. SWARTLEY, Philadelphia, Pa.; 71; instructor in anatomy at Jefferson Medical College for 28 years; former director of surgery at Germantown Hospital and chief of surgery at Chestnut Hill Hospital and Philadelphia Hospital for Contagious Diseases; 15 Nov.

JEAN P. WASSERMAN, Basel, Switzerland; 82; expert on alloys; 20 Nov.

Education

■ High-school students will have an opportunity to learn about careers in physics through a series of lecture-demonstrations in Chicago that are patterned on the Christmas Juvenile Lectures that have been given every year since 1826, except for a short period during World War II, at The Royal Institution of Great Britain in London. The lectures, which were instituted by Michael Faraday, are delivered during the holiday season. The new series in Chicago has been planned by the Chicago High School Physics Teachers Association in cooperation with the Physics Club of Chicago and four Chicago-area colleges and universities: Illinois Institute of Technology, the University of Chicago, Northwestern University, and the University of Illinois at Navy Pier.

The first lecture is titled "Fire magic" and will be presented by Llewellyn Heard, a chemist for the Standard Oil Company of Indiana. It will be delivered on 21 Dec. at Illinois Institute of Technology. Instead of 1 week of daily lectures as during Faraday's time, physics educators hope to establish two or three regular programs each semester.

■ The George B. Pegram Laboratory, containing a 6-Mev generator for nuclear research, was dedicated last month at Columbia University. Construction of the laboratory began the first of this year. It has been completed at a cost of about $400,000. The Van de Graff generator, which cost $450,000 installed, was lent by the Atomic Energy Commission. The commission also contributed $295,000 to the construction cost of the building.

The laboratory is named for Pegram, an atomic physicist who is now vice president emeritus of Columbia and a special adviser to the president of the university. He was chairman of the Columbia University Committee on War Research from 1941 to 1945, and was a key figure in the establishment of the Atomic Energy Commission's Manhattan District.

■ A 4-week pilot course for training military veterinary laboratory officers in methods of detecting radioactivity in food and in food radioassay procedures will begin on 9 Jan. 1956 at the Walter Reed Army Institute of Research. The course will be open only to laboratory officers who have completed the veterinary radiological health course at the Institute of Nuclear Studies, Oak Ridge, Tenn.

The basic training for the new course will be given by the Walter Reed biophysics department; the Veterinary Division will be responsible for the applied techniques. Additional courses in food radioassay instruction will be given from time to time, but no date has been set for a second class.

■ Through a modernization of curriculums and facilities, the University of Pennsylvania has announced that it is able to accommodate 50 percent more engineering students than are now enrolled. The decision to increase enrollments comes during the celebration of the centennial year of the engineering program. About 1200 students are enrolled in the university's schools of chemical, civil, mechanical, and metallurgical engineering and its Moore School of Electrical Engineering.

Carl C. Chambers, vice president for engineering affairs, said that a combination of circumstances had given the university's five engineering schools the capacity to educate more students without impairing academic standards. He cited these factors:

In the modernization of curriculums, more emphasis has been placed on analytic studies and the humanities and less on shopwork and drafting; this makes certain facilities available to more users.

Completion last year of the university's new physical sciences building has enabled the physics and mathematics departments to teach those required subjects to more engineering students.

Fuller use is being made of other buildings and facilities beyond the normal classroom day, especially through an expanded evening program for graduate students.

Growth of the university's engineering research has drawn to the campus many highly qualified scientists who are available for teaching as well as for research.

Grants, Fellowships, and Awards

■ To help offset the dangerous cutback in science teaching at the secondary level, Shell Companies Foundation, Inc. has announced a program of recognition fellowships for high-school teachers of science and mathematics. Through the program, worked out with the cooperation of leading educational associations, Shell will underwrite summer seminars at Stanford and Cornell universities for 60 teachers yearly. The fellowship recipients, chosen on the basis of merit and demonstrated leadership qualities, will receive travel allowances, all tuition and fees, living expenses on the university campus, and $500 in cash to make up for the loss of potential summer earnings.

Basically, the program, to be known as the Shell Merit Fellowships for High School Science and Mathematics Teach-