G. M. ADAMSON, JR., has been appointed head of the homogeneous reactor program of the metallurgy division, Oak Ridge National Laboratory. He succeeds J. L. GREGG, who has returned to Cornell University after a year's leave. J. H. DEVAN has replaced Adamson as head of the dynamic corrosion section.

Other changes in the metallurgy division include the resignation of W. O. HARMS, who has accepted a teaching post at the University of Tennessee. M. L. PICKLESIMER succeeds Harms.

E. C. ELTING has been appointed deputy administrator for Experiment Stations in the U.S. Department of Agriculture's Agricultural Research Service, a post left vacant by the retirement of the late R. W. Trullinger. Elting joined the Department of Agriculture in 1936 as a specialist in dairy husbandry on the staff of the Office of Experiment Stations.

The following appointments to assistant professor have been announced. University of Alabama: GRAY C. BUCK and ORVILLE CLAYTON, surgery; ROBERT EARL ROTH and HAROLD SCHNEIDER, pathology. University of Pittsburgh: PHILLIP BACON, geography; JOHN CAMERON, physics; JOHN ULRICH, speech; IAN MITCHELL SUSSEX, biological sciences. University of Mississippi: JAMES L. KLINE, physics; MALCOLM ROBERTSON, psychology.

## Necrology

WAYNE ARNOLD, Ridgefield, Conn.; 35; physicist for Schlumberger Wells Survey Corp.; former member of the staff of the Los Alamos Scientific Laboratory; 15 Nov.

ALFRED T. BEALS, Hackensack, N.J.; 85; photomicrographer; expert on mosses and lichens; 8 Nov.

ALBERT E. BOTHE, Merchantville, N.J.; 64; professor of urology, Graduate School of Medicine, University of Pennsylvania; 11 Nov.

ALVA CLARK, Washington, D.C.; 65; director of research and development in a sector of the U.S. Department of Defense; retired vice president of Bell Telephone Laboratories; 14 Nov.

SAMUEL J. CROWE, Baltimore, Md.; 72; emeritus professor of laryngology at Johns Hopkins University; 13 Nov.

ARTHUR H. CURTIS, Evanston, Ill.; 74; former head of the department of obstetrics and gynecology of the Northwestern University Medical School; 13 Nov.

BERNARD DE VOTO, Cambridge, Mass.; 58; Pulitzer prize-winning historian who was an emphatic proponent of conservation of the nation's natural resources; 13 Nov.

JONAS FRIEDENWALD, Baltimore, Md.; 58; associate professor of ophthalmology at Johns Hopkins University, Baltimore; 5 Nov.

PAUL F. GAEHR, Auburn, N.Y.; 75; professor emeritus of physics at Wells College; 12 Nov.

WARDLAW MCGILL HAMMOND, Philadelphia., Pa.; 75; photomicrographer; honorary research associate at the Farlow Herbarium of Cryptogamic Botany, Harvard University; 9 Nov.

ELY C. HUTCHINSON, Washington, D.C.; 73; management consulting engineer; World War II consultant on scientific and technical affairs in the Office of Research and Development, the War Production Board, and the Office of Technical Services; 12 Nov.

JOHN J. HYLAND, New York, N.Y.; 51; electronics expert; founder and chairman of the board of Control Instrument Company of Brooklyn; 11 Nov.

JAMES M. SWAINE, Ottawa, Canada; 77; former Dominion entomologist; 11 Nov.

## Education

■ Vernon Lippard, dean of the Yale University School of Medicine, recommended recently that medical schools should be "in physical proximity" to the rest of the university and not far distant from the central university campus. In his address as retiring president of the Association of American Medical Colleges, Lippard urged a closer integration between medical schools and the universities with which they are associated.

He contended that a medical school is often more concerned with its hospital than with its university obligations. Blaming both the medical schools and the universities for this situation, he said that "the day has passed when medical education and research can be carried on efficiently in isolation."

Lippard also pointed out that a college education generally has been accepted as a prerequisite for admission to medical school but that the methods of medical instruction have too many of the characteristics of undergraduate education.

"Our curricula are crowded from early morning until late at night with required exercises, the compulsion of frequent and detailed examinations in course is considered necessary, little time or incentive is provided for the pursuit of special interests, and participation in the advancement of knowledge is relegated to the postdoctoral level." He stressed that such practices are "not compatible with graduate study in a university where introduction of the student to severe and self-reliant intellectual effort is the major purpose."

Pointing out that current practices of medical education were conceived before the internship and residency were accepted, he said "the medical student continues to expend what I believe to be an inordinate proportion of his efforts in pursuit of the urine specimen and the hemocytometer, with no decrease in time devoted to these chores as participation in new diagnostic procedures is imposed upon him."

■ The Albert Einstein College of Medicine of Yeshiva University was formally dedicated last month before an audience of 5000 people. Congratulatory messages, including one from President Eisenhower, came from all over the country.

Symbolic of the dedication was an inscribed plaque that was presented by the college's first class of 53 men and 3 women to Hans Albert Einstein, Albert Einstein's son. The plaque included the pledge that the students would "carry on in the spirit of warm humanity and scientific integrity exemplified by Albert Einstein, justifying his high hopes for the college as a valuable instrument for advancing medical science and the national welfare."

Although the school has just opened, it starts more or less full fledged, with adequate teaching and laboratory facilities and the hospitals, and other auxiliaries that usually are acquired slowly through the years.

The college is the heart of a new medical center that is to cost $100 million. It will be open to all who are academically qualified, without regard for race, creed, or nationality.

■ Lehigh University has received a private grant sufficient to support the full expenses of the bioelectric laboratory of the department of psychology for the next 10 years. The primary research program of the laboratory is the study of muscle action potentials in muscular fatigue, with Arnold M. Small, Jr., and Nathan B. Gross as principal investigators.

■ A lecture series designed to acquaint high-school science teachers with recent developments in science has been undertaken by Washington University in cooperation with the St. Louis Public Schools Advisory Committee. It is hoped that the monthly series, entitled the "Frontiers of science," will add to the teachers' ability to stimulate an interest in science among high-school students.

The lectures are open to all teachers in public, private, and parochial schools in the St. Louis area. The St. Louis Public School System is permitting