

STANDARDS FOR PHOTOGRAPHIC CINEMATOGRAPHIC EQUIPMENT

A COMMITTEE of the American Standards Association to develop standards for important photographic and cinematographic equipment used by the armed forces, has been set up by the association at the request of the War Production Board on the initiative of the Army Pictorial Service. It includes representatives of the Signal Corps, Air Force, the Photographic Section of the Bureau of Aeronautics of the U. S. Navy, the Engineers Corps, the Marine Corps and manufacturers of photographic and cinematographic equipment. The Society of Motion Picture Engineers is represented, and the Research Council of the Academy of Motion Picture Arts and Sciences is being invited to appoint a representative.

R. B. Shepard, of the War Production Board, has been appointed chairman of the new committee. J. W. McNair, of the staff of the association, serves as secretary.

Following recommendations of the Armed Forces Committee under the chairmanship of Captain Lloyd Goldsmith, of the Army Pictorial Service, a number of projects has been undertaken. Probably the most important of these is development of a specification for a service model 16mm sound film projector.

The committee has made definite assignment of all projects requested by the Armed Forces to task committees, instructed to proceed with the utmost speed in the development of the specifications.

The projects include the following developments:

A standard specification for slide-film projectors, to include both manually and electrically operated projectors for 35mm slide-film and 2×2 inch slides.

A standard specification for measuring the performance characteristics of still camera shutters.

A standard performance specification including characteristics and methods of test for photographic exposure meters.

A performance and test specification for still picture contact printers.

A specification for 16mm motion picture test films.

A specification for standards of quality and control of processing and printing 16mm film.

A specification for the size and shape of 16mm and 35mm picture apertures of optical reduction printers and 16mm contact printers.

A specification for the size and shape of the photographic apertures of 16mm and 35mm motion picture cameras.

A specification for the size and shape of 16mm and 35mm motion picture camera view finder apertures.

A specification for a standard registration distance for 16mm and 35mm camera lenses.

A specification for a 35mm motion picture camera drive motor to operate from either 12 or 24 volts D.C. both of which voltages are used by the services.

A specification for camera noise measurements and acceptable limits for 16mm and 35mm sound motion picture cameras, sizes that are widely used in civilian life as well as by the services.

A performance specification for 16mm portable projection screen.

FELLOWSHIPS OF THE NATIONAL FOUNDATION FOR INFANTILE PARALYSIS

THE National Foundation for Infantile Paralysis has set aside the sum of \$50,000 for fellowships in health education. Under this program, which has been developed in cooperation with the U. S. Public Health Service, qualified men and women will go into training beginning with this autumn.

Candidates for the fellowships will be selected by an advisory committee of the U. S. Public Health Service, and those accepted will be assigned to the schools of public health of Yale University, the University of Michigan and the University of North Carolina.

A bachelor of science degree, or its equivalent from a recognized college or university, is an essential qualification for one of these fellowships leading to the master of science degree in public health. Training will consist of nine months' academic work, followed by three months of supervised field experience.

Women between the ages of nineteen and forty who have the above educational qualifications and who are citizens of the United States are eligible. Men who are citizens over thirty years of age also may apply, and the War Manpower Commission has declared Selective Service registrants in 4F and 1AL classifications as eligible for these fellowships.

The fellowship provides a stipend of \$100 monthly for twelve months, tuition and university fees to the school and expenses for field service. Applications can be obtained from the Office of the Surgeon General, U. S. Public Health Service, Washington 14, D. C. Applications must be accompanied by a transcript of college credits and a small photograph, and must be in the Office of the Surgeon General not later than August 15.

THE GIBSON ISLAND CONFERENCE ON CANCER

THE final program of the Conference on Cancer to be held at Gibson Island, Md., under the auspices of Section C of the American Association for the Advancement of Science, is as follows:

July 31

Albert Claude: Topography of Cell Function.

E. W. Shrigley and Francisco Duran-Reynals: The Biology of Virus-induced Tumors.

Alfred Taylor: Virus Production of Mammalian Tumors.

W. Ray Bryan and H. Kahler: Virus Studies with Newer Techniques.

August 1

John J. Bittner: Inciting Influences in the Etiology of Mammary Cancer in Mice.

H. B. Andervont: The Milk Factor in Breast Cancer in Mice.

Mary E. Maver: Serology of Tumor Cathepsins.

Jacob Furth: The Site and Time of Malignant Change in Leukemia of Mice.

August 2

F. H. J. Figge: The Relationship of Pyrrole Compounds to Carcinogenesis.

L. F. Fieser: Discussion of Hydrocarbon Carcinogenesis.

W. R. Earle: Production of Malignancy in Vitro.

Harry S. N. Greene: The Occurrence of Dependent and Autonomous Phases in the Development of Cancer.

August 3

R. J. Williams: B Vitamins and Cancer.

J. P. Greenstein: Enzymes and Cancer.

H. P. Rusch and C. A. Baumann: The Prevention of Experimental Liver Tumors by Dietary Means.

August 4

Heron O. Singher: The Effect of Inhibitory Agents on Normal and Malignant Tissues.

Curtis Flory and Jacob Furth: Chemotherapeutic Studies on Leukemia.

The registration limit of seventy participants has

now been reached. Further applications¹ must be taken on a waiting-list basis, in anticipation of possible cancellations. It is planned, however, to publish promptly the great majority of the papers as a special monograph in the series of symposium publications issued by the American Association for the Advancement of Science, similar to the earlier "Some Fundamental Aspects of the Cancer Problem" (Occasional Papers, No. 4, 1937). The monograph will also contain a record of the discussion, which will be taken down for the first time at these conferences. Funds for stenotyping have been provided for by a grant from the Jane Coffin Childs Memorial Fund. Additional written comments which the participants may care to submit will also be included. It is intended that the reports, papers, discussions and submitted comments will emphasize, so far as possible, the frontiers of investigation and the most recent experimental information available on the aspects of cancer considered.

DEAN BURK, *Chairman*

RALPH G. MEADER, *Vice-Chairman*

¹ For preliminary announcement, with details of registration, see *Chem. and Eng. News*, 22: 109, 1944.

SCIENTIFIC NOTES AND NEWS

DR. ALBERTO RECIO, Minister of Public Health of Cuba, has announced the opening on May 17 of the National Institute of Hygiene in Havana. On this occasion President Batista presented decorations of the order of Carlos J. Finlay to Brigadier General James S. Simmons, director of preventive medicine, Surgeon General's Office, U. S. Army; Colonel Harry Plotz, chief of the Division of Virus and Rickettsial Diseases, Army Medical School, Washington, D. C.; Dr. Rolla E. Dyer, director of the National Institute of Health, Bethesda, Md.; Dr. Reuben Kahn, of the University of Michigan; Dr. Henry Hanson, Commissioner of Health, Florida, and Dr. A. A. Moll, executive secretary of the Pan American Sanitary Bureau, Washington, D. C. At the same time the Cuban Government presented decorations to the Rockefeller Foundation, the American Public Health Association and a posthumous award to the American Yellow Fever Commission in honor of the great services rendered to yellow fever control.

DR. LILLIAN M. GILBRETH and Dr. Frank B. Gilbreth (posthumously) have been awarded the Henry Laurence Gantt Memorial Gold Medal for 1944 of the American Society of Mechanical Engineers "in recognition of their pioneer work in management, their development of the principles and techniques of motion study, their application of those techniques

in industry, agriculture and the home, and their work in spreading that knowledge through courses of training and classes at universities." The medal is administered by the Gantt Medal Board of Award consisting of representatives of the American Society of Mechanical Engineers and the American Management Association.

THE Squibb Award of the Association for the Study of Internal Secretions was presented at the Chicago meeting on June 12 to Dr. Edward A. Doisy, professor and director of the department of biochemistry of the School of Medicine of St. Louis University, for his "contributions to scientific knowledge, particularly in endocrinology." The first award of the Ciba Pharmaceutical Company was presented to Dr. Edwin B. Astwood, assistant professor of pharmacotherapy at the Harvard Medical School, "for his contributions in the field of sex hormones and on the thyroid gland."

DR. HAROLD HENRY BEVERAGE, vice-president in charge of research and development of the Radio Corporation of America, has received a certificate of appreciation from the U. S. Army Signal Corps for his work in connection with the installation of a radio-teletype circuit in the North Atlantic. Major General H. C. Ingles, chief signal officer, made the presentation.