

supported in part by tuition fees, but mainly by public funds. The Justice Department filed suit claiming this was unconstitutional. This action not only removes any ambiguity about where the Administration stands on the issue, but in effect makes the financial and staff resources of the Justice Department available to share the burden of fighting desegregation cases which, until now, has been borne almost entirely by the National Association for the Advancement of Colored People.

## Announcements

Stanford University's Hopkins Marine Station plans to convert the *Pioneer*, a two-masted schooner long owned by philanthropist George Vanderbilt, to a modern sea-going vessel for research in **marine biology**. It will be the largest sailing ship in the world used for scientific purposes. This project is made possible by a grant from the National Science Foundation.

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A translation of a **Soviet lunar atlas**, compiled from the first photographs ever taken of the far side of the moon and including detailed descriptions of the newly revealed areas, as interpreted by Soviet scientists, is available from the Office of Technical Services, Department of Commerce, Washington 25, D.C. \$3.

### Courses

A course in **general pathology** for graduate students and investigators who do not have a medical background will be offered at the Harvard Medical School this summer (26 June to 15 July) for the first time. The course is supported in part through a training grant from the U.S. Public Health Service. It is primarily organized "for the many investigators working in the biological field who have no formal education in general pathology and who wish to become acquainted with the basic mechanisms of disease at the level of cells and tissues."

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The 1961 Summer Institute in Dynamical Astronomy will be held at the University of Arizona, Tucson, from 10 July to 4 August. This institute, in which college and university teachers of astronomy, physics, and

mathematics as well as research workers from government and industry participate, is for scientists who desire an intensive introduction to the field of **celestial mechanics**. In addition to the formal program in astronomy, speakers will discuss current fields of research. (Professor Dirk Brouwer, Yale University Observatory, Box 2023 Yale Station, New Haven, Conn.)

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A series of laboratory **refresher training** courses is to be offered by the Laboratory Branch of the Communicable Disease Center (U.S. Public Health Service), Atlanta, Georgia, from 11 September 1961 to 13 April 1962.

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Two advanced courses in **reactor technology** will be offered again at Oak Ridge National Laboratory, Oak Ridge, Tenn., beginning next fall. The two courses—on reactor operations supervision and reactor hazards evaluation, respectively—are designed principally for students from abroad but are also open to U.S. citizens. The courses start 25 September and run a full year. The tuition for each course is \$2000. Deadline for applications is 15 June.

### Grants, Fellowships, and Awards

**Epidemiology.** Fellowships (full support, tuition, and dependency allowances) are available to M.D.'s and Ph.D.'s in related fields for a 3-year residency in epidemiology, through a grant from the National Institutes of Health. The purpose of the program is "to increase the number of qualified epidemiologists available for public health research, particularly with respect to diseases of non-infectious and unknown cause."

**General research.** Grants-in-aid, usually ranging between \$500 and \$1500, are available from funds administered by the American Academy of Arts and Sciences for research in any recognized scientific field. Applications must be received *before 1 September* for grants to be made in October. Applications from individual scientists will be given prior consideration over those from institutions, although this is not an inflexible policy. Projects concerned with exploration of the frontiers of scientific knowledge, whether interdisciplinary or within a single discipline, are preferred. (American Academy of Arts and Sciences, Committees

on Research Funds, 280 Newton St., Brookline Station 46, Boston, Mass.)

**Heart.** Applications from research investigators for support of studies to be conducted during the fiscal year beginning 1 July 1962 are now being accepted by the American Heart Association. The deadline for submitting applications for research fellowships and established investigatorships is 15 September. The stipends range from \$4500 to \$9000 per year. Grants-in-aid are also available in support of specified projects. (American Heart Association, 44 E. 23rd St., New York 10)

### Meeting Notes

**Congenital anomalies.** The Japan Association for Study of Congenital Anomalies held its initial meeting at Kyoto University's Faculty of Medicine on 25 February. Approximately 100 scientists in basic and clinical medicine and in related biological sciences attended. The proceedings of this and subsequent meetings will be published in the medical journal *Saishin-Igaku*. The Japan Association welcomes communications from foreign scientists interested in the problem of congenital anomalies. (Dr. Hideo Nishimura, Professor of Anatomy, Faculty of Medicine, Kyoto University, Kyoto, Japan)

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**Psychophysiology.** The newly formed Society for Psychophysiological Research will hold its first annual meeting in New York on 5 September, in conjunction with the American Psychological Association Convention. The purpose of the society is to foster research on the somatic responses and their psychological relations in a number of different academic disciplines, including psychology, physiology, biology, psychiatry, and instrumentation. (Dr. Albert F. Ax, Secretary-Treasurer, Lafayette Clinic, 951 E. Lafayette, Detroit 7, Mich.)

### Scientists in the News

**Melvin B. Gottlieb** will become director of Princeton University's plasma physics laboratory (formerly Project Matterhorn) on 1 July. He has been associate director of the laboratory and head of the experimental division. He succeeds **Lyman Spitzer, Jr.**, who

has headed controlled fusion research at Princeton since its inception in 1951, and who will now concentrate his efforts on the experimental program with the C stellarator, which is nearing completion.

**Ray L. Sweigert**, dean of the graduate division of Georgia Institute of Technology, is retiring after 32 years of service.

**Isaac D. Welt**, formerly on the staff of the division of medical sciences, National Academy of Sciences-National Research Council, has been named chief of the Washington office of the Institute for the Advancement of Medical Communication. Welt is also an associate director and member of the board of directors of the institute. He will continue as director of the cardiovascular literature project, for which the institute now assumes responsibility.

For the best paper presented at the 1960 meetings of the American Oil Chemists' Society, **H. K. Mangold** of the Hormel Institute, Austin, Minn., was named winner of the society's annual Bond award.

**Leonard Carmichael**, secretary of the Smithsonian Institution, Washington, D.C., was elected president of the section on experimental psychology and animal behavior of the International Union of Biological Sciences at the meeting held in Amsterdam on 29 March. He succeeds H. Piéron of the Sorbonne.

**Daniel Binder**, formerly a physicist with Oak Ridge National Laboratory, has joined Hughes Aircraft Company's nuclear electronics laboratory as head of the nuclear measurements department.

**Emil Palmquist** has been appointed medical director of the regional office of the Department of Health, Education, and Welfare in Charlottesville, Va., where he will be responsible for the administration of grants-in-aid and various types of technical assistance which the Public Health Service makes available to the health departments of the District of Columbia, Kentucky, Maryland, North Carolina, Virginia, West Virginia, Puerto Rico, and the Virgin Islands. Palmquist is at present a public health consultant in HEW's

San Francisco regional office. In Charlottesville he will replace **Eugene Gillis**, who recently became health officer of Philadelphia.

**George A. Wolf, Jr.**, dean of the University of Vermont College of Medicine, has been named executive director of the Tufts-New England Medical Center, Boston. Wolf will also be named vice president for medical affairs of Tufts University. His appointment to both positions will become effective on 1 September.

**Grete Lehner Bibring** has been named clinical professor of psychiatry on the Harvard University faculty of medicine. She is psychiatrist-in-chief at the Beth Israel Hospital, Boston, and president-elect of the American Psychoanalytic Association.

**Taffee T. Tanimoto**, mathematician, has been named head of the Pattern Recognition Laboratory in the Melpar Corporation's Applied Science Division, Watertown, Mass. He joins Melpar from International Business Machine's research center at Yorktown Heights, N.Y., where he was engaged in computer-oriented mathematical research—principally theoretical work in information retrieval.

**Deane B. Judd** has been appointed editor of the *Journal of the Optical Society of America*. Judd, a physicist at the National Bureau of Standards since 1927, is internationally known for his work in colorimetry and on color vision. He is a former president of the society and has served as associate editor of its journal for many years.

**Don W. Esplin**, assistant research professor of pharmacology at the University of Utah College of Medicine, has received the 1961 John J. Abel award of the American Society for Pharmacology and Experimental Therapeutics for his research on the site and mechanism of drug action in the central nervous system. The award is sponsored by Eli Lilly and Company.

**Martin M. Cummings** and **Robert H. Grant** have been appointed chief and assistant chief, respectively, of the new Office of International Research at the Public Health Service's National Institutes of Health, effective 1 July.

Cummings has been chairman of the

department of microbiology at the University of Oklahoma Medical School since 1959. In addition to his administrative and teaching duties there, he has conducted research in epidemiology, microbiology, and clinical medicine and has served as consultant to the Veterans Administration and the Medical Research Foundation of Oklahoma.

A career Civil Service employee, Grant has for the past year been on leave from his regular post as executive officer of the National Heart Institute, to serve as director of the Special Staff on Aging for the Department of Health, Education, and Welfare.

## Recent Deaths

**Ernest F. Cook**, Philadelphia, Pa.; 83; professor emeritus of pharmacy at the Philadelphia College of Pharmacy and Science; former director of pharmaceutical laboratories at the college, of which he was a trustee; was coeditor of *Remington's Practice of Pharmacy*, and for 40 years served as chairman of the Committee on Revision of the *United States Pharmacopoeia*; 2 Mar.

**George O. Hendrickson**; 70; professor of zoology and entomology at Iowa State University, where he had been in charge of research on wildlife management for 35 years; 19 Mar.

**Carl I. Hovland**, Hamden, Conn.; 48; professor of psychology at Yale; consultant at various times to the Ford Foundation, the Rockefeller Foundation, the Bell Laboratories, the Center for Advanced Study in the Behavioral Sciences at Stanford, and various government agencies; had recently been awarded the Warren medal of the Society of Experimental Biologists for "distinguished research in higher attitude formations and reasoning"; 16 Apr.

**Fred S. Hultz**; 67; president of North Dakota State University since 1948; previously professor of animal husbandry at the University of Wyoming for 25 years; 17 Apr.

*Erratum:* In the report "Slowing of heart rate after septal self-stimulation in rats," by R. B. Malmö [*Science* 133, 1128 (14 Apr. 1961)], there is a transposition of values for heart rate given in two successive sentences beginning with line 21, column 1, page 1129. The sentences should have read: "Systematic quantitative analysis of the heart-rate data for this animal showed that mean heart rate for periods with self-stimulation was 389.4 beats per minute compared with 442.2 beats per minute for preceding periods without intracranial stimulation. Corresponding mean values for subjects 6 and 10 that also had the five full-training sessions were 442.8 and 451.2 for subject 6, and 400.8 and 428.4 for subject 10."