Washington 5, D.C.
May 26, 1955

To the Council of the American Association for the Advancement of Science
Washington, D.C.

We have examined the balance sheet of the Treasurer's accounts of the American Association for the Advancement of Science as at December 31, 1954, and the statement of cash receipts and disbursements for the year then ended. Our examination was made in accordance with generally accepted auditing standards, and accordingly included such tests of the accounting records and such other auditing procedures as are considered necessary in the circumstances.

In our opinion, the accompanying financial statements present fairly the financial position of the Treasurer's accounts of the American Association for the Advancement of Science as at December 31, 1954, and the cash receipts and disbursements for the year then ended.

G. P. GRAHAM & COMPANY
By G. R. Bowers

AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE TREASURER'S ACCOUNTS
BALANCE SHEET AS AT DECEMBER 31, 1954

Assets

Endowment funds			
Cash in bank		$ 3,343.29	
Advanced to Gordon Research Conferences		9,465.45	
Securities—at cost		356,359.14	$369,167.88
Building fund			
Due from Operating Fund		$ 26,636.94	
Real Estate		153,297.20	179,934.14
			$549,102.02

Liabilities and Reserves

Endowment funds			
For research		$172,982.18	
For general purposes		150,776.36	
For special purposes		38,872.33	
Liabilities			
Academy grants	$3,253.51		
Special academy grants	275.00		
Sociology prize fund	3,000.00		
AAAS—UNESCO fellowship fund	8.50	6,537.01	$369,167.88
Building fund			179,934.14
			$549,102.02

STATEMENT OF CASH RECEIPTS AND DISBURSEMENTS
FOR THE YEAR ENDED DECEMBER 31, 1954

Cash balance January 1, 1954			$ 14,305.30
Receipts			
Income from investments		$ 16,873.23	
Redemption and sale of securities		436,590.15	
Life membership fees		3,600.00	
Gifts		132.00	
Special academy grants		525.00	
Deceased emeritus life membership fees		1,400.00	459,120.38
			$473,425.68
Disbursements			
Income from investments			
Allocated to building fund	$ 632.37		
Allocated to Gordon Research Conferences	1,045.88	$ 1,678.25	
Securities purchased		419,871.05	
Newcomb Cleveland prize		1,000.00	
Academy grants		4,501.50	
Special academy grants		800.00	
Emeritus life membership fees (From Jane M. Smith fund)		1,200.00	
Fees of deceased emeritus life members (To Jane M. Smith fund)		1,400.00	
Journal subscriptions (Life, 50-year and emeritus members)		3,339.00	
Expenses		521.15	
AAAS—UNESCO fellowship fund transferred or refunded		45.00	
Westinghouse Award balance refunded		279.58	
Building fund cash transferred to operating fund		25,981.41	
Advanced to Gordon Research Conferences		9,465.45	470,082.39
Cash balance December 31, 1954			$ 3,343.29

Scientists in the News

JAMES D. EBERT, professor of zoology at Indiana University, is to succeed GEORGE W. CORNER as director of the department of embryology at the Carnegie Institution of Washington, effective 1 Jan. 1956. The department, which is located in Baltimore, Md., is concerned with investigations of the morphology of the human embryo and the comparative physiology of the reproductive system. The morphological research has centered about the department's collection of human embryos.

Ebert's research program has been directed toward an understanding of the mechanism of synthesis and interaction of tissue-specific proteins in development. He has employed the techniques of immunochemistry in studies that have helped to throw light on the processes involved in the formation and localization of the contractile proteins, actin and myosin, in the developing heart. Recently he has coupled this approach with an analysis of the metabolism of the heart-forming regions of the early embryo, paying special attention to the mitochondria and their role in fibrogenesis. Since 1952 he has combined the classical methods of experimental embryology—transplantation, organ culture, and so forth—with radiobiological techniques in an investigation of the growth-regulating mechanisms of the chick embryo. These experiments suggest that, at the outset, growing organs can utilize specific macromolecules almost intact without breaking them down into simpler units.

Corner, who for more than 40 years has been engaged in significant fundamental research in the anatomy and physiology of mammalian and especially of primate reproduction, is also a recognized authority in the field of medical history. Upon retirement he will join the staff of the Rockefeller Institute for Medical Research, New York, as historian of the institute. He will write a history of its organization and activities and will also carry forward his previous work in fundamental research, acting as adviser and consultant to a small group of scientists investigating the physiology of reproduction.

The 1955 Howard W. Blakeslee awards for outstanding reporting in the field of heart and blood vessel diseases will be presented by the American Heart Association to the following:

FRANCES BURNS, medical editor of the *Boston Daily Globe*, for a series of 13 articles on heart research and advances in the treatment and prevention of cardiovascular diseases.

JANE STAFFORD, medical writer of Washington, D.C., for year-round coverage of important developments in the

cardiovascular field syndicated to newspapers and magazines by Science Service.

WILLIAM PETERS of Pelham Manor, N.Y., for his article, "A new heart for Pamela," published in the September 1954 issue of *Cosmopolitan* magazine. This article described a new technique in heart surgery in which the circulatory systems of a child and her father were linked so that surgeons could repair a defect in her heart.

The COLUMBIA BROADCASTING SYSTEM for the film, "Gate 27" which was telecast over the CBS-TV network as part of the series known as *The Search*. The film described the research being conducted at the Laboratory of Physiological Hygiene, University of Minnesota, on the relationship of diet, vocation, and other factors to heart and blood vessel diseases.

The awards, each bearing an honorarium of $500, will be presented at the AHA annual dinner, which is to take place in New Orleans, La., on 23 Oct., during the 31st annual meeting and 28th scientific sessions of the association, 22–28 Oct.

JOHN G. KIDD, professor of pathology, Cornell University Medical College, will deliver the 6th Augustus B. Wadsworth lecture at the Division of Laboratories and Research, New York State Department of Health, Albany, N.Y., on 27 Oct. He will speak on "Immunological approaches to the problems of cancer."

LISE MEITNER, head of the nuclear research department of the Mechanical-Scientific Academy in Stockholm, Sweden, recently received the Otto Hahn prize for chemistry and physics in Munich, Germany. Hahn was present at the ceremony.

CHARLES A. DAMBACH has been appointed professor and director of Ohio State University's new Natural Resources Institute. He has been on leave from the faculty since 1950 to serve as chief of the Wildlife Division in the State Department of Natural Resources. The institute was established in June to "stimulate and coordinate teaching and research in the conservation, development and wise use of natural resources."

FRANK PRESS, associate professor of geophysics at Columbia University, has joined the faculty of the California Institute of Technology as professor of geophysics. He is a specialist in seismology.

CLARENCE M. ABLOW, former research mathematician with Boeing Airplane Co., Seattle, Wash., has been appointed senior research mathematician in the engineering division of Stanford Research Institute. He will work in the radio systems laboratory.

NORMAN N. BARISH, of the department of industrial and management engineering, New York University College of Engineering, has been named chairman of the department.

VINCENT J. CUSHING, assistant manager of the propulsion and structural research department at the Armour Research Foundation of Illinois Institute of Technology, has been named manager. He will direct research and development in structural analysis, materials engineering, blast effects, hydrodynamics, and missiles and propulsion.

JOHN C. BUGHER, retiring director of the division of biology and medicine of the U.S. Atomic Energy Commission [*Science* **122**, 590 (30 Sept. 1955)], has received the AEC Distinguished Service award and the Superior Accomplishment award; the latter includes a cash award of $2000.

JOHN V. L. HOGAN, president of Hogan Laboratories, is to receive the Institute of Radio Engineers medal of honor, the highest technical award in the radio engineering profession. He is being honored "for his contributions to the electronic field as a founder and builder of the Institute of Radio Engineers, for the long sequence of his inventions, and for his continuing activity in the development of devices and systems useful in the communications art." The award will be presented during the IRE national convention in New York next March.

GLEN W. HEDRICK, an organic chemist who was formerly associated with the Dearborn Chemical Co., Chicago, Ill., has been appointed to the staff of the Naval Stores Station, Olustee, Fla. As supervisor of the new-products research unit, Hedrick will be responsible for directing studies leading toward the development of new or improved products from pine gum, turpentine, and rosin and of economical processes for their manufacture.

HARRY F. OLSON of the Radio Corp. of America has received the 1955 Samuel L. Warner memorial award of the Society of Motion Picture and Television Engineers. Olson, who is director of the R.C.A. Acoustical and Electro-mechanical Research Laboratory, Princeton, N.J., was honored for his productive career in audio engineering, including his work on the velocity microphone and the duocone speaker for high-fidelity sound reproduction, and for his contributions to the development and improvement of phonograph pickup and recording equipment, underwater sound equipment, and sound motion picture and public address systems.

FREDERICK E. TERMAN, dean of the Stanford School of Engineering and an authority in electronics, has been appointed provost of Stanford University. Terman, who will continue as engineering dean, succeeds Douglas M. Whitaker, who has resigned to become vice president for administration of the Rockefeller Institute for Medical Research in New York [*Science* **122**, 579 (12 Aug. 1955)].

RUDOLF PLANK, authority on refrigeration, has been named a visiting professor of mechanical engineering at Columbia University. In cooperation with Carl F. Kayan, head of the department, Plank will teach a course on "Contemporary problems of refrigeration and food preservation" during the fall semester.

Formerly a professor in the Institute of Technology at Karlsruhe, Germany, Plank founded there the Refrigeration and Food Preservation Institute. Plank has written many books and papers and he is the editor of a 12-volume *Encyclopedia of Refrigeration*, of which three volumes have so far been published.

FÉLIX GONZÁLES-BONORINO, formerly of the geologic branch of the Dirección Nacional de Minería of Argentina, has joined the staff of the geology department of the Missouri School of Mines as a visiting professor.

LUDWIK ANIGSTEIN, professor of preventive medicine and public health at the University of Texas Medical Branch, Galveston, has returned from an extensive tour of Peru and Brazil. He collected material pertaining to tropical diseases that will be used in the university's teaching program in tropical medicine. The trip was supported by the James McLaughlin fellowship in infection and immunity.

CLARK C. HERITAGE, a chemical engineer who has devoted more than 40 years to forest products and chemicals developments, retired on 1 Oct. as development director for the Weyerhaeuser Timber Co., Tacoma, Wash. He plans to establish his own office in Tacoma to serve industry in the establishment, planning, and execution of research and development programs.

The following appointments to assistant professor have been announced. Massachusetts Institute of Technology: NESMITH C. ANKENY, mathematics; EDWARD S. COHEN, chemical engineering; GEORGE F. KOSTER and GEORGE E. PUGH, physics. Woman's College of the University of North Carolina: DOUGLAS M. MCNAIR, ROBERT PENN, and ROBERT RADLOW, psychology. Pratt Institute: FRITZ C. WILDERMANN, physics.

California Institute of Technology has announced the appointment of the following research fellows:

TOYOKI KOGA is on leave from Nagoya University, Japan, where he is professor of engineering and director of the automatic control laboratory.

HERBERT RHINESMITH is on sabbatical leave from Allegheny College, Meadville, Pa., where he is associate professor of chemistry.

JOHN SEDDON, previously with the Royal Aircraft Establishment, England, is joining the institute on a Commonwealth fellowship in aeronautics.

LLOYD S. SHAPLEY has been a senior research investigator with the Rand Corporation, Santa Monica, Calif.

Necrology

ROBERT H. HALSEY, New York, N.Y.; 82; heart specialist and a professor of medicine at Columbia University Postgraduate Medical School, 1917–39; since 1939, a consultant to Goldwater Memorial Hospital; one of the founders of the American Heart Association and its president 1932–33; 15 Sept.

REYNOLDS L. HAAS, Ann Arbor, Mich.; 41; associate professor of obstetrics and gynecology at the University of Michigan Medical School; 20 Sept.

ABRAHAM LEVINSON, Chicago, Ill.; 67; expert on mental retardation in children, professor of pediatrics at Northwestern University Medical School, and author of a number of widely used textbooks; 17 Sept.

JOHN M. MELICK, Cresskill, N.J.; 62; engineer at Bell Telephone Laboratories, New York; designer of military equipment and devices, contributor to rocket development and the Nike guided missile network; 18 Sept.

EDWARD NELSON, Arlington, Va.; 64; communications specialist, scientific chief of research and development of the Army Signal Corp; 21 Sept.

JOHN POTZGER, Indianapolis, Ind.; 69; specialist in paleobotany and forest history, professor and head of the botany department at Butler University; a former president of the Ecological Society of America and its 1955 representative to the AAAS council; 18 Sept.

DONALD REDDICK, Gainesville, Fla.; 62; emeritus professor of plant pathology at Cornell University; 2 Apr.

FREDERICK D. RICHEY, Knoxville, Tenn., 71, geneticist and for 37 years a member of the U.S. Department of Agriculture, 11 Sept.

CHARLES SOLOMON, Brooklyn, N.Y.; 59; specialist in internal medicine and a drug expert; professor at New York University Medical College, lecturer at Long Island College of Medicine and New York State University College of Medicine, and a member of the advisory commission of *U.S. Pharmacopoeia*; 15 Sept.

D. H. UDALL, Ithaca, N.Y., 81, emeritus professor of veterinary medicine at Cornell University, 9 Sept.

MATHILDA K. WALLIN, Elmsford, N.Y.; 97; physician and since 1916 a member of the executive committee of the American Women's Hospitals; 21 Sept.

Education

■ A new physical sciences building to house the departments of astronomy, mathematics, and meteorology is under construction at the University of California, Los Angeles. Located at the north end of the Court of Sciences, the $1,700,000 L-shaped structure will be connected to the Engineering-Physical Science Building No. 2, for which funds were recently provided. Expected completion date of the Physical Sciences Building is January 1957.

The new building will give the departments of astronomy, mathematics, and meteorology a teaching and research facility containing 18 classrooms, 18 laboratories, 13 office-laboratories, 51 faculty offices, 3 seminar and conference rooms, and a first floor lecture hall capable of seating 127 persons.

■ New research laboratories for the study of diseases of the lungs, heart, kidneys, and blood vessels are to be established by Northwestern University Medical School. Plans call for specially designed and equipped laboratories, examination and treatment rooms, and facilities for nursing care and social service on the third floor of the Montgomery Ward Memorial Building at the university's Medical Center in Chicago.

Chest and circulatory diseases are leading causes of death in this country, claiming more than 750,000 lives each year. The new medical unit will be devoted to research studies designed to advance understanding of these diseases, education to provide physicians with new knowledge to fight them, and improved treatment to aid those who are afflicted. Patients will be studied in the clinic as outpatients. This will make it possible to study chronic diseases in an early stage and to follow a patient's progress for years if necessary.

Special equipment for diagnosis and research will include a treadmill, used in testing the efficiency of heart and lung function under varying degrees of rest, exercise, and stress. Oxygen consumption is measured from collections of the air that the subject breathes while exercising. Equipment will also include electrocardiographs, a ballistocardiograph, x-ray and fluoroscope units, and heart catheterization equipment.

■ The F. W. Olin Science Building at Bucknell University was dedicated on 28 Sept., when Charles L. Horn, president of the Olin Foundation, formally presented the building to the university. A $900,000 gift from Olin made the new structure possible; it will house the departments of chemistry, mathematics, and physics.

Principal speaker for the occasion was JOHN C. WARNER, president of Carnegie Institute of Technology, who also was awarded an honorary degree. Other degree recipients were ROBERT B. WOODWARD of Harvard University; LEONARD W. LABAREE of Yale University; HAROLD K. SCHILLING of the Pennsylvania State University; RAYMOND L. WILDER of the University of Michigan; and RAY G. DAGGS of the Army Medical Research Laboratory at Fort Knox, Ky.

Grants, Fellowships, and Awards

■ The National Academy of Sciences–National Research Council is prepared to award a limited number of senior postdoctoral fellowships in physiological psychology beginning this year. These awards, which are made possible by the generosity of the Carnegie Corporation of New York, will be for a period of 1 year. They are renewable. Stipends will be appropriate to the candidate's academic qualifications and will in general parallel those in other, advanced postdoctoral programs.

The principal objective of the new senior-fellowship program is to stimulate wider development and correlation of knowledge in physiological psychology. One approach to this goal consists of increasing the number of investigators who are qualified to pursue research in physiological psychology because of their familiarity and proficiency in more than one discipline. Another approach involves increasing the number of research centers in which this interdisciplinary research is supported and encouraged.

The senior fellowships are intended to enable young psychologists to spend 1 or 2 years in an environment where physiological research is in progress and where contact with nonpsychologists, expert in their own fields, will be maximized. Of equal importance will be the support of young physiologists who wish to spend the period of their fellowships in a working relationship with psychological investigators. The sponsors of the program hope in this manner the techniques and points of view of the psychologist will be made familiar to a growing number of physiologically oriented groups, and that at the same time modern physiological methods and theories will become a part of the thinking of more and more research psychologists.