

ser. 10, summer 1955, is also dedicated to Fermi. The part, "Physics of elementary particles," contains lectures on "Pions and nucleons" given by Fermi at a meeting in Varenna, July-August 1954.

■ The Canadian Government has offered an NRX atomic reactor to India under the Colombo Plan; the offer has been accepted. A team of Indian scientists, including H. J. Bhabha, head of the Indian Department of Atomic Energy, will soon visit Canada for discussions with Canadian scientists and government officials. A bilateral agreement will be worked out covering arrangements for the project.

In accepting the reactor, Prime Minister Nehru indicated that his government would be prepared to allow accredited foreign scientists, including those from other Colombo Plan countries in south and southeast Asia, to use the facilities that will be available at the atomic energy center in India where the reactor will be located.

■ Perspiration when it first appears on the skin has no odor and is sterile. In a recent report to the Society of Cosmetic Chemists, Walter B. Shelley of the University of Pennsylvania stated that contamination of sweat with the bacteria ordinarily found on the skin gives it "the distinctive apocrine odor of the axilla." Recent discovery of a way to collect relatively pure perspiration made these findings possible.

## Association Finances

Condensed statements of Association finances for the year 1954, prepared by the auditing firm of G. P. Graham & Company, are published herewith, in order that the entire membership may be fully informed regarding the financial operations, obligations, and resources of the AAAS.

The first two statements summarize operating receipts and expenditures. The final annuity payments to the Cattell estates for *Science* were drawn from the excess of receipts over expenditures in the operating account. Total annuity and inflation clause payments amounted to \$269,832.82.

The last two statements summarize the status of investment and trust funds. The value of investments and the amount of investment income both increased in 1954, thanks to sound investment policies and management, but the total endowment is still meager in comparison with the magnitude of the responsibility the Association should assume in advancing science.

HANS NUSSBAUM

Business Manager, AAAS

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 Operating Fund of the American Association for the Advancement of Science as at December 31, 1954, and the statement of revenue and expenditures 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 we considered necessary in the circumstances.

In our opinion, the accompanying statements present fairly the financial position of the Operating Fund of the American Association for the Advancement of Science as at December 31, 1954, and the results of its operations for the year then ended.

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

## AMERICAN ASSOCIATION FOR THE ADVANCEMENT OF SCIENCE OPERATING FUND BALANCE SHEET AS AT DECEMBER 31, 1954

<i>Assets</i>			
<i>Current assets</i>			
Cash in banks	\$220,146.70		
Accounts receivable	16,170.11		
U.S. Treasury bills	483,856.85		
Certificates of deposit	250,000.00	\$970,173.66	
<i>Other assets</i>			
Deposit with airline		425.00	
		<u>\$970,598.66</u>	
<i>Liabilities</i>			
<i>Current liabilities</i>			
Accounts payable	\$ 57,298.73		
Due to the Treasurer's account—AAAS	26,636.94		
Balance of grant—Arid Lands Symposium	6,833.48	\$ 90,769.15	
<i>Deferred income</i>			
Prepaid dues and fees	\$218,752.58		
Prepaid journal subscriptions	50,967.71	269,720.29	
Reserve fund		250,000.00	
<i>Unallocated funds</i>			
Balance January 1, 1954	\$315,459.41		
Add: Excess of revenue over expenditures	44,649.81		
Balance December 31, 1954		360,109.22	
		<u>\$970,598.66</u>	

## STATEMENT OF REVENUE AND EXPENDITURES FOR THE YEAR ENDED DECEMBER 31, 1954

<i>Revenue</i>			
Dues and entrance fees		\$284,466.51	
<i>Journals</i>			
<i>Subscriptions</i>			
From Treasurer's accounts (Life, 50-year and emeritus members)	\$ 3,339.00		
Members special subscriptions	18,858.20		
Nonmembers subscriptions	62,086.57	\$ 84,283.77	
Advertising		153,513.07	
Miscellaneous sales		2,730.76	240,527.60
<i>Publications</i>			
Binders	\$ 1,878.25		
Symposium volumes	14,990.43	16,868.68	
Berkeley meeting and exhibit		43,271.88	
Rental income		6,107.48	
Income from investments		12,448.89	
Miscellaneous		6,701.55	
		<u>\$610,392.59</u>	
<i>Expenditures</i>			
Administrative and general expense	\$ 79,508.30		
Building expense	9,232.67		
Board of directors	8,752.43		
Other committees	2,526.66		
Allowance to divisions	7,279.00		
Section expense	7,720.28		
Circularization—new members	10,117.19		
Meetings and exhibits	38,596.69		
Journals	364,954.79		
Publications	27,662.22		
Employees' retirement plan	5,101.87		
Social security	2,184.32		
Miscellaneous	339.23		
Annuity			
1954 Science annuity	\$ 924.91		
Inflation allowance on annuity	842.22	1,767.13	565,742.78
Excess of revenue over expenditures			<u>\$ 44,649.81</u>

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	
		<u>\$549,102.02</u>	

## 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
			<u>\$549,102.02</u>

# 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
		<u>\$473,425.68</u>
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		<u>\$ 3,343.29</u>

## 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