

# Association Affairs

## AAAS Finances: Report for 1958

The 1958 income of the American Association for the Advancement of Science for normal and continuing operating expenses amounted to \$992,504.03. This amount was divided as follows:

Annual dues paid by members	\$422,080.96
Money transferred from Investment Account to pay for subscriptions for emeritus and life members	6,036.00
Subscriptions to <i>Science</i> by nonmembers	69,878.10
Sales of single copies and back issues	4,584.40
Advertising in <i>Science</i>	328,637.60
Sales of symposium volumes	30,637.00
Annual meeting: registration fees, exposition space, advertising in program, and contributions	42,257.92
Income from investment of funds not needed in checking account	14,365.18
Rental income from third floor and garage	20,213.68
Allowance for expenses incurred in administering grants	44,562.16
Miscellaneous receipts	9,251.03
Total	\$992,504.03

These receipts amounted to \$37,376.79 more than the operating expenses. The chief items of expense were:

Printing and editing <i>Science</i>	\$551,747.50
Cost of selling advertising in <i>Science</i>	82,194.66
Printing and editing symposium volumes	8,445.09
Expenses of the annual meeting	43,861.31
Allowances (\$1 per member) to Pacific, Southwestern and Rocky Mountain, and Alaska divisions	8,787.00
Expenses of AAAS sections	4,607.85
Board of Directors' meetings	5,133.52
Meetings of committees	4,065.34
Administrative and general expense	45,416.62
Business office, salaries, and other expenses	98,724.30
Circularization of new members (exclusive of salaries)	12,279.78
Building maintenance	36,643.85
Real estate taxes	12,908.52
Depreciation allowance on building	23,519.16

Depreciation allowance on equipment	7,220.91
Miscellaneous other expenses	9,571.83
Total	\$955,127.24

In addition to the excess of income over expense of \$37,376.79, endowment funds increased by \$20,406.43, and the Association set aside, as is shown in the figures given above, \$30,740.07 for depreciation of building and equipment.

## Comparison of 1958 with 1957

Receipts in 1958 were \$156,787.90 greater than in 1957. The two major differences were an increase of approximately \$90,000 in annual dues—attributable primarily to the fact that dues were increased at the beginning of 1958 from \$6.50 a year to \$8.50 a year—and an increase of approximately \$64,000 in advertising revenue.

Expenses for 1958 exceeded those of 1957 by \$130,719.21. The largest difference was the greater cost of distributing *Science* to all Association members in 1958 over the cost in 1957 of sending *Science* to some members and *The Scientific Monthly* to others.

## Grants Administered during 1958

Funds from grants received during 1958 or held over from earlier years amounted to \$662,409.80. Grant funds expended during the year amounted to \$572,658.38, leaving an unexpended balance to carry over into 1959 of \$89,751.42.

The largest amount was for the Traveling High School Science Libraries administered by the AAAS and supported by funds from the National Science Foundation. The amount available during the year was \$443,925.60, and the amount expended, \$433,053.09, leaving an unexpended balance of \$10,872.51.

The next largest grant was from the Carnegie Corporation for the Science Teaching Improvement Program. During 1958 the Association received the first third of a second three-year grant to support this program. The initial grant was for \$300,000, received in equal amounts in 1955, 1956, and 1957. In 1958 the Carnegie Corporation made an additional grant of \$250,000 to continue this program. Of this amount, \$83,334 was received in 1958. That

amount, plus carry-over from 1957, provided a budget of \$155,340.50, of which \$72,466.50 was expended.

Smaller grants were received during 1958, or money was held over from 1957, for a variety of other programs, some of which were completed during 1958, others of which have continued into 1959.

From the Rockefeller Foundation and the Sloan Foundation, the Association received \$17,856.91 to cover the costs of the Parliament of Science held by the Association in March 1958. This amount exactly balanced the cost.

The Carnegie Corporation provided \$12,000 for simultaneous conferences on the testing and the guidance of students. Reports of the conferences consisted of recommendations for the establishment of testing and guidance programs in schools, and were prepared in anticipation of the enactment of the National Defense Education Act of 1958. Of this grant, the Association held a balance at the end of the year of \$788.80. This amount was returned to the Carnegie Corporation in 1959.

The Rockefeller Foundation provided \$9000 for a study of the attitudes of students toward scientists and careers in science. The study, being conducted by Margaret Mead and Rhoda Metraux, held a balance at the end of the year of \$6916.02.

The Ford Foundation and other sources provided \$8822.67, the exact cost of a series of meetings of a panel that prepared a report on the role of the behavioral sciences, "National Support for Behavioral Science."

From the National Science Foundation the Association received a grant of \$4000 to pay the expenses of lecturers appearing on the lecture series jointly sponsored by the Association and the NSF. At the end of the year the balance was \$2932.69.

The Association received, during 1958, \$1200 as the first two contributions toward the expenses of the First International Oceanographic Congress, which has just been held in New York from 30 August through 11 September under the joint auspices of UNESCO, the Special Committee on Oceanic Research of the International Council of Scientific Unions, and the AAAS.

At the beginning of 1958 there remained a balance of \$2880.86 of a grant from the General Electric Educational and Charitable Fund to provide for the expenses of regional consultants working under the Science Teaching Improvement Program. The whole amount was spent during the year.

At the beginning of 1958 the Association held a balance of \$2668.49 from a grant from the Ford Foundation to help pay the expenses of a study of pro-

posed changes in the Internal Revenue Code designed to increase private and corporate gifts to institutions of higher education. The whole amount was spent during the year.

During 1958 the Association entered into an agreement with the National Science Foundation to administer a program of fellowships for one, two, or three summers for high-school teachers of science and mathematics who were deemed qualified for individually arranged programs of study to increase their competence in the subject fields. The contract with the National Science Foundation

was negotiated during 1958, but no funds were received during that year. Expenses in 1958 amounted to \$11,453.45. These expenses were covered by funds received from NSF during 1959.

#### Investment Account

The Association maintains a separate investment account in which endowment and investment funds are segregated from current funds and from grants for special activities. During 1958 the Association transferred to the investment account \$190,604.14 of current funds. The transfer was made in order to earn a

higher rate of interest on funds not immediately needed for operating expenses. Records of the total amount of money and of earnings are maintained in such a fashion as to permit return to the operating account at any time of whatever amount of this money may be needed. For investment purposes, however, the amount is merged with the Association's endowment funds. Consequently, in the figures given in the following table it is impossible to show how much of the several kinds of securities should be credited to endowment funds and how much to current operational funds. The combined account was distributed as follows at the end of 1958:

U.S. Government bonds	\$164,196.87
Industrial bonds	197,387.60
Preferred stocks	58,908.59
Common stocks	283,986.84
<b>Total</b>	<b>\$704,479.90</b>

Of the above total, \$190,604.14 consists of operating funds and \$513,875.76 of endowment funds. The latter figure is \$19,300.83 above the total for the endowment fund at the end of 1957. All of these figures are at cost or book value rather than at the market value of the securities held. During the year the Association received \$23,545.51 in dividends and interest. The return was at the rate of 3.8 percent on the amount of money invested. (Neither the book nor the market value, but the actual amount of money that at various times had been put into the investment account, was used to calculate the rate.) The yield on the market value was 3.4 percent. The income was used as follows:

Investment counsel and cost of servicing securities	\$ 2,345.44
Grants to affiliated academies of science	4,324.50
Transferred to operating funds for life and emeritus members	6,036.00
To the Gordon Research Conferences	1,877.73
Award and expenses of Newcomb Cleveland Prize	1,350.00
Expenses of Socio-Psychological Prize	350.00
Increase in value of endowment funds	7,261.84
<b>Total</b>	<b>\$23,545.51</b>

During the year the Association also gained \$8992.47 from the sale of securities.

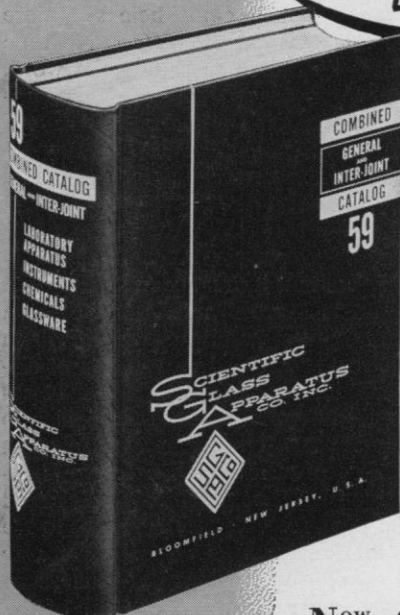
#### Consolidated Balance Sheet

At the end of 1958, the consolidated balance sheet of the Association, which includes both operating and investment funds, showed the following assets:

Cash on deposit	\$ 167,292.92
Investments at cost	
Operating account	704,479.90
Investment account	223,049.52
<b>Land</b>	<b>115,875.00</b>

## Completely NEW from Cover to Cover!

**THE MOST COMPREHENSIVE  
LABORATORY SUPPLY CATALOG  
EVER PUBLISHED!**



**2 SEPARATE VOLUMES**  
bound together for  
your convenience —  
separated by an 80-page  
index on colored paper

Now, our entire line is covered by *one* comprehensive catalog instead of the two volumes formerly published. An 80-page index separates the 1132-page "General" section from the 356-page "Inter-Joint" glassware section.

If your laboratory does not have this new catalog, write us on your company letterhead.

- \*1568 Pages
- \*Thousands of Illustrations
- \*Helpful Tables and Charts
- \*Catalog Numbers in Sequence
- \*Page Headings Alphabetized
- \*Easy to Use

**SCIENTIFIC  
GLASS  
APPARATUS  
CO. INC.**  
BLOOMFIELD • NEW JERSEY, U.S.A.

#### SALES OFFICES

- Albany 5, N. Y.
- Bloomfield, N. J.
- Boston 16, Mass.
- Chicago 34, Ill.
- Silver Spring, Md.
- Philadelphia 43, Pa.

# Eastern "job-sized" pumps and stirrers save weight • space • power • costs

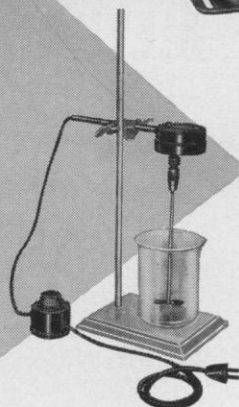
Eastern has just the right pumps or mixer for your laboratory or pilot plant application. The wide range of Eastern products lets you choose standard units so closely geared to the job that they might have been created just for it.

A complete engineering service to help you, and a big selection of more compact, versatile, high performance pumps and stirrers — this is the formula for your quick and easy choice.

Send for laboratory equipment bulletin No. 1540



A wide range . . . in midget pumps: centrifugal and positive pressure models—motors from 1/30 to 1/3 hp, capacities to 20 gph, pressures to 60 psi.



in variable speed stirrers: From 1/100 to 1/15 hp non-sparking motor with clamp or ring stand just right for your lab use.

**EASTERN INDUSTRIES, INC.**  
100 SKIFF STREET • HAMDEN 14, CONNECTICUT

A NEW USSR ACADEMY OF SCIENCES JOURNAL

## ОПТИКА И СПЕКТРОСКОПИЯ

now available in translation as

## OPTICS AND SPECTROSCOPY

beginning with January 1959 issue at new low rates

Publishing results of experimental and theoretical investigations by leading Soviet Scientists. Articles in all branches of optics and spectroscopy, including X-ray, ultraviolet, visible, infrared and microwave, thin layer optics, filters, detectors, diffraction gratings, electro-luminescence, thermal radiation backgrounds, infrared polarizers and many applications to other branches of science and to industry.

Translated and published by the OPTICAL SOCIETY OF AMERICA, this branch of Soviet Science is now made available to all interested individuals and organizations along with the *Journal of the Optical Society of America* at the rate of a single journal alone. This was made possible by a grant-in-aid from the NATIONAL SCIENCE FOUNDATION to the OPTICAL SOCIETY OF AMERICA. Comments on the Soviet articles will appear in the Letters to the Editor column of the *Journal of the Optical Society of America*.

	U.S. & Canada (both journals)	Elsewhere (both journals)
Associate membership dues Optical Society of America	\$13.00	\$13.00
Non-member subscription	\$25.00	\$28.00

For membership in the OPTICAL SOCIETY OF AMERICA please write to Dr. K. S. Gibson, Secretary, Optical Society of America, National Bureau of Standards, Washington 25, D. C. Qualification for membership consists of "an interest in optics."

For non-member subscriptions write to the AMERICAN INSTITUTE OF PHYSICS, 335 E. 45th Street, New York 17, New York.

Building (less depreciation)	723,214.03
Equipment (less depreciation)	67,884.53
Money owed to the Association	69,651.55
<b>Total</b>	<b>\$2,071,447.45</b>

These assets were partially offset by the following liabilities:

Prepaid dues and subscriptions for which members and other subscribers had not received <i>Science</i> or other services	\$370,601.39
Unexpended balance of grants from National Science Foundation, Carnegie Corporation, and Rockefeller Foundation	89,751.42
Accounts payable to others	98,993.57
Remainder of mortgage on building payable in 7½ years	137,788.46
Held for Gordon Research Conferences	39,083.28
<b>Total</b>	<b>\$736,218.12</b>

The difference between assets and liabilities represents the Association's net worth. At the end of 1958, the net worth was distributed as follows:

<b>Endowment funds:</b>	
For research	\$ 205,547.28
For general purposes (used to pay subscription costs for life and emeritus members)	206,213.57
For the Newcomb Cleveland Prize	27,210.00
For the Socio-Psychological Prize	29,901.60
For creating emeritus life memberships	3,751.83
Value of land	115,875.00
Value of building and equipment (less depreciation and mortgage)	653,310.10
Unallocated reserve	93,419.95
<b>Total</b>	<b>\$1,335,229.33</b>

### Auditor's Report

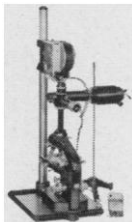
The Association's financial records for 1958 were audited, as they have been for a number of years, by the firm of G. P. Graham and Company. The tables presented above differ in form from those included in the auditor's report, and the explanations of sources of income and nature of expense are usually given in greater detail. In a few instances items have been reclassified from the auditor's report to provide more meaningful groupings. Except for such rearrangements, there are no differences between the figures presented here and those reported in the audited account, to which was attached a letter ending: "In our opinion the accompanying statements present fairly the financial position of the American Association for the Advancement of Science as at December 31, 1958, and the results of its operations for the year ended on that date, and were



M20



WITH CAMERA II



WITH CINETUBE



PHASE CONTRAST EQUIPMENT

# WILD\*

## M20

## MICROSCOPE

...available with sextuple revolving nosepiece if desired, 20-Watt built-in illumination, superior Swiss quality in craftsmanship and optics.

...with Camera II, permits continuous binocular observation. Phototube deflects 25% of light to binocular tube. Special format indicating eyepiece provides rapid, perfect focusing.

...with Wild Cinetube, using any 16mm movie camera having 50mm or 75mm focal lengths, permits critical focusing on specimen while exposing film. Two built-in beam splitters and photoelectric cell for exposure determination (with galvanometer). Internal projection tube for titling.

...with Phase Contrast, Incident Light, Varicolor and other equipment.

**UNMATCHED VERSATILITY, PRECISION AND UTILITY FOR RESEARCH AND SCIENTIFIC EXPLORATION.**

\*The **FIRST** name in Surveying Instruments, Photogrammetric Equipment and Microscopes

Booklet M20 mailed on request.



Full Factory  
Services

INSTRUMENTS, INC.

Main at Covert Street • Port Washington, New York  
Port Washington 7-4843

In Canada

Wild of Canada Ltd., 157 MacLaren St., Ottawa, Ontario

11 SEPTEMBER 1959

prepared in conformity with generally accepted accounting principles applied on a basis consistent with that of the preceding year. Respectfully submitted, G. P. Graham and Company, by G. R. Bowers."

DAEL WOLFLE

*American Association for the  
Advancement of Science*

### Forthcoming Events

#### October

1-4. American Soc. of Industrial Designers, Asheville, N.C. (Mrs. R. R. Larrisch, ASID, 15 E. 48 St., New York 17.)

4-7. American Inst. of Mining, Metallurgical and Petroleum Engineers, fall, Dallas, Tex. (E. O. Kirkendall, AIMMPE, 29 W. 39 St., New York 18.)

4-9. Society of Motion Picture and Television Engineers, semi-annual conv., New York, N.Y. (C. S. Stodter, SMPTE, 55 W. 42 St., New York 36.)

5-7. Aeronautical Communications, 5th. symp., Utica, N.Y. (L. G. Cumming, Inst. of Radio Engineers, 1 E. 79 St., New York 21.)

5-7. Association of Medical Illustrators. 14th annual, Seattle, Wash. (J. W. Phillips, Univ. of Washington College of Medicine, Seattle.)

5-7. Chemical Engineers, annual, Essen, Germany. (Dr. Miessner, VDI-Fachgruppe, Verfahrenstechnik, Rheingauallee 25, Frankfurt-am-Main.

5-7. National Assoc. of Corrosion Engineers, Northeast regional, Baltimore, Md. (T. J. Hull, NACE, 1061 M & M Bldg., Houston, Tex.)

5-8. American Acad. of Pediatrics, Chicago, Ill. (E. H. Christopherson, 1801 Hinman Ave., Evanston, Ill.)

5-9. American Soc. of Anesthesiologists, Bal Harbour, Fla. (J. W. Andes, 188 W. Randolph St., Room 1101, Chicago, Ill.)

5-9. Audio Engineering Soc., 11th annual, New York, N.Y. (AES, P.O. Box 12, Old Chelsea Station, New York 11.)

5-10. Society of Automotive Engineers, aeronautical meeting and aircraft manufacturing forum, Los Angeles, Calif. (R. W. Crory, Meetings Operation Dept., SAE, 485 Lexington Ave., New York 17.)

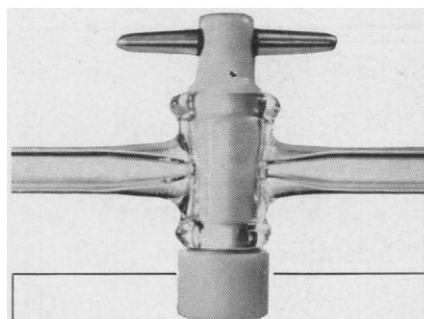
5-16. Institute of the Aeronautical Sciences, biennial Anglo-American conf., New York, N.Y. (R. R. Dexter, IAS, 2 E. 64 St., New York 21.)

6. American Assoc. of Poison Control Centers, 2nd annual, Chicago, Ill. (A. S. Blank, AAPCC, Connecticut State Dept. of Health, Hartford 15.)

6-8. Aeronautical/Astronautical Problems of High Speed Flight, Stanford, Calif. (E. Haynes, Deputy Director, Aero Sciences Directorate, Air Force Office of Scientific Research, Washington 25.)

6-9. High Temperature Technology, intern. symp., Asilomar, Calif. (Public Relations Office, Stanford Research Inst., Menlo Park, Calif.)

7-8. Advanced Propulsion, 2nd symp. (classified), Boston, Mass. (Lt. Col. P. Atkinson, Propulsion Div., Air Force Office of Scientific Research, Washington 25.)



**Now you can use  
self-lubricating  
TEFLON® STOPCOCKS  
on an everyday  
basis!**

*Kontes saves you money  
three ways on chemically-  
inert\* Teflon items!*

Increased production has lowered prices substantially on all Kontes Teflon Stopcocks and apparatus which incorporate them. You save, in fact, three ways by getting Teflon products from Kontes: by reduced individual prices, by lower quantity prices, and by combining Teflon items with your regular orders for Kontes Technical Glassware for even greater discounts.

COMPARE KONTES QUALITY! Teflon Stopcock barrels are ground and polished, providing the ultimate in smooth, even turning without lubricant. Special spring-loading device keeps plug properly seated and leak-free without dangers inherent in over-tightening. Wall thickness is appreciably greater than other brands. Sidearms increase gradually in o.d. and decrease in i.d. at seals to barrels for greater strength and improved flow characteristics.

**Order now for immediate delivery!** Write for your free copy of our new Bulletin TP-1. It describes all Kontes Teflon ware including beakers, burettes, pipettes, separatory funnels, stopcocks, etc.

**K-81100 STRAIGHT STOPCOCK**

prices below are typical—

Size	Bore, mm.	Plug size, mm.	Each
2 A	2	10/25	4.50
3 A	3	10/25	4.50
2	2	12/30	6.90
4	4	17/40	9.20

\*Teflon has almost universal chemical inertness.  
®Reg. T.M., E. I. du Pont de Nemours & Co., Inc.



**KONTES  
GLASS COMPANY**

*First Choice For Quality Technical Glassware*  
Vineland, New Jersey

Midwest Distributor: Research Apparatus, Inc., Wauconda, Ill.



## OXFORD Scientific Texts

### A Short History of Scientific Ideas to 1900

By CHARLES SINGER. This book presents in simple form the development of the concept of a material world, all parts of which are rationally interrelated. The book treats not only the physical and chemical, but also the biological disciplines. 188 text figures.

\$8.00

### Circumpolar Arctic Flora

By NICHOLAS V. POLUNIN. This book identifies, illustrates, and describes the main habitat and range of 66 families, 230 genera, and nearly 900 species of vascular plants in the southern tracts of the truly arctic regions lying north of the tree line. Text figures and a map.

\$20.20

### The Families of Flowering Plants

*Arranged According to a New System Based on their Probable Phylogeny — Volume I Dicotyledons, Volume II, Monocotyledons*

#### Second Edition

By J. HUTCHINSON. This new edition recognizes more than 400 families of flowering plants and has been rearranged in an ascending evolutionary series. 450 text figures.

\$23.55

### The Theory of Elementary Particles

By JAMES HAMILTON. This volume illustrates the mathematical methods used in investigating elementary particles. Some of the techniques discussed are: the addition of angular moments, angular correlations, isotopic spin, time reversal, the renormalized perturbation theory of the S-matrix. (*International Series of Monographs on Physics*) 49 text figures.

\$12.00

At all bookstores

OXFORD UNIVERSITY PRESS

7-9. Vacuum Technology, symp., Philadelphia, Pa. (American Vacuum Soc., Box 1282, Boston, Mass.)

7-11. International Conv. on Nutrition and Vital Substances, 5th, Konstanz-Zurich, Switzerland. (Secretary General, Benmeroderstrasse 61, Hannover-Kirchrode, Germany.)

8-10. American Assoc. of Textile Chemists and Colorists, natl. conv., Washington, D.C. (G. P. Paine, AATCC, P.O. Box 28, Lowell, Mass.)

8-10. American Ceramic Soc., Bedford, Pa. (F. P. Reid, ACS, 4055 N. High St., Columbus 14, Ohio.)

8-10. American Soc. of Tool Engineers, semi-annual, St. Louis, Mo. (H. E. Conrad, ASTE, 10700 Puritan Ave., Detroit 38, Mich.)

8-10. Biology of Pyelonephritis, intern. symp., Detroit, Mich. (E. L. Quinn, Henry Ford Hospital, W. Grand Blvd. at Hamilton, Detroit 2.)

8-10. Optical Soc. of America, annual, Ottawa, Canada. (S. S. Ballard, Dept. of Physics, Univ. of Florida, Gainesville.)

9-13. American Soc. of Civil Engineers, Los Angeles, Calif. (E. S. Kirkpatrick, ASCE, 33 W. 39 St., New York 18.)

11-16. American Acad. of Ophthalmology and Otolaryngology, Chicago, Ill. (W. L. Benedict, 15 Second St., SW, Rochester, Minn.)

11-16. American Inst. of Electrical Engineers, fall general, Chicago, Ill. (N. S. Hibshman, AIEA, 33 W. 39 St., New York 18.)

11-16. American Soc. for Testing Materials, Pacific area natl., San Francisco, Calif. (R. J. Painter, ASTM, 1916 Race St., Philadelphia 3, Pa.)

12-14. Clay Conf., 8th natl., Norman, Okla. (C. G. Dodd, Eighth Natl. Clay Conf., Univ. of Oklahoma, Norman.)

12-14. Electronics Conf., 15th annual natl., Chicago, Ill. (NEC, 228 N. La Salle St., Chicago 1, Ill.)

12-16. Macromolecules, intern. symp. (IUPAP), Wiesbaden, Germany. (W. Mauss, Intern. Symp. on Macromolecules, c/o Kalle & Co., Rheingaustrasse 25, Wiesbaden-Biebrich, Germany.)

12-19. Venereal Diseases, intern. cong. (by invitation), London, England. (G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Pl., London, W.1, England.)

13-17. International Union against the Venereal Diseases and the Treponematoses, London, England. (Institut Alfred Fournier, 25, Boulevard Saint-Jacques, Paris 14<sup>e</sup>, France.)

14-16. Parenteral Drug Assoc., annual conv., New York, N.Y. (H. E. Boyden, Parenteral Drug Assoc., 130 E. 59 St., New York 22.)

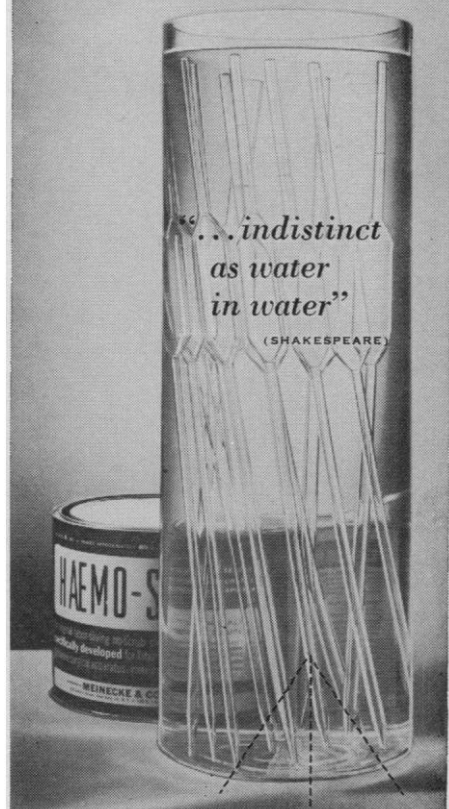
14-17. American College of Chest Physicians, 25th, Albuquerque, N.M. (M. Kornfeld, 112 E. Chestnut St., Chicago 11, Ill.)

15-16. American Ceramic Soc., Glass Div., Wernersville, Pa. (F. P. Reid, ACS, 4055 N. High St., Columbus 14, Ohio.)

15-17. Academy of Psychosomatic Medicine, Cleveland, Ohio. (B. B. Moss, Suite 1035, 55 E. Washington St., Chicago 2, Ill.)

15-17. National Soc. of Professional Engineers, fall meeting, Seattle, Wash.

this is  
**HAEMO-SOL**



you can see  
what tests  
prove . . .  
...it's always

- Totally Soluble
- Completely Active
- 100% FREE Rinsing

Yes, these pipettes will emerge C-P clean, free draining, sparkling.

It's so easy . . . just soak, then rinse. Your pipettes are really clean . . . no etching . . . no fogging . . . no residue.

Your Haemo-Sol solution is active all week. The cost? As low as 7/100 of a cent for each pipette!



Save time, money, work . . . and pipettes.

Clean with Haemo-Sol for every cleaning purpose.

Write for FREE sample and literature TODAY.

MEINECKE & COMPANY, Inc.  
225 Varick St., New York 14



(P. H. Robbins, NSPE, 309 Bancroft Bldg., Univ. of Nebraska, Lincoln.)

16-17. Association of Midwest College Biology Teachers, conf., Notre Dame, Ind. (G. R. Bernard, Dept. of Biology, Univ. of Notre Dame, Notre Dame, Ind.)

17-18. American Acad. of Psychotherapists, 4th annual conf., New York, N.Y. (AAP, 30 Fifth Ave., New York 11.)

17-25. Plastics Industry, intern. fair, Düsseldorf, Germany. (Nordwestdeutsche Ausstellungen Gesellschaft (NOWEA), Ehrenhof 4, Düsseldorf.)

18-22. Electrochemical Soc., Columbus, Ohio. (R. K. Shannon, ES Inc., 216 W. 102 St., New York 25.)

18-23. American School Health Assoc., Atlantic City, N.J. (A. O. DeWeese, 515 E. Main St., Kent, Ohio.)

18-23. American Soc. of Plastic and Reconstructive Surgery, Miami Beach, Fla. (T. R. Broadbent, 508 E. South Temple, Salt Lake City, Utah.)

19-21. High Polymer, 9th Canadian, Toronto, Ontario, Canada. (K. E. Russell, Dept. of Chemistry, Queen's Univ., Kingston, Ontario.)

19-22. Semiconductor Symp. (Electrochemical Soc.), Columbus, Ohio. (A. C. Beer, Battelle Memorial Inst., 505 King Ave., Columbus 1, Ohio.)

19-23. American Public Health Assoc., 87th annual, Atlantic City, N.J. (B. F. Mattison, 1790 Broadway, New York 19.)

19-23. American Soc. of Civil Engineers, annual conv., Washington, D.C. (W. H. Wisley, ASCE, 33 W. 39 St., New York 18.)

19-23. Radioisotopes in the Biosphere, symp., Minneapolis, Minn. (R. B. Caldecott, Center for Continuation Study, Univ. of Minnesota, Minneapolis 14.)

19-31. International Cong. of Therapeutics, Strasbourg, France. (Prof. Fontaine, Dayen de la Faulte de Strasbourg, France.)

19-31. Pan American Medical Assoc., 10th conf., Mexico, D.F., Mexico. (J. Eller, PAMCA, 745 Fifth Ave., New York 22.)

20-21. Reprocessing of Nuclear Fuels, AEC symp., Richland, Wash. (J. T. Christy, Hanford Operations Office, U.S. Atomic Energy Commission, Richland, Wash.)

20-22. Standards, 10th natl. conf., Detroit, Mich. (K. G. Ellsworth, American Standards Assoc., 70 E. 45 St., New York 17.)

20-23. Clean Air, intern. conf., London, England. (National Soc. for Clean Air, Palace Chambers, Bridge St. London, S.W.1, England.)

22-24. Acoustical Soc. of America, fall meeting, Cleveland, Ohio. (W. Waterfall, ASA, 335 E. 45 St., New York 17.)

22-24. American Documentation Inst., annual, Bethlehem, Pa. (C. G. LaHood, Jr., Library of Congress, Washington 25.)

22-25. British Medical Assoc., annual clinical, Norwich, England. (W. Hedgcock, BMA House, Tavistock Sq., London, W.C.1, England.)

23-24. Canadian Soc. for the Study of Fertility, Montreal, Canada. (J. F. Campbell, 238 Queen's Ave., London, Ont., Canada.)

23-25. American College of Cardiology, 8th annual, Philadelphia, Pa. (P.

Reichert, ACC, Empire State Bldg., New York 1.)

23-27. American Heart Assoc., annual, Philadelphia, Pa. (W. F. McGlone, AHA, 44 E. 23 St., New York 10.)

24-29. Darwin Centennial, intern. celebration, Chicago, Ill. (Office of Public Relations, Univ. of Chicago, Ill.)

24-29. First All-India Cong. of Zoology, Jabalpur. (B. S. Chauhan, Zoological Survey of India, 34 Chittaranjan Ave., Calcutta 12.)

26-27. American Cancer Soc., New York, N.Y. (ACS, 521 W. 57 St., New York 19.)

26-27. Griseofulvin and Dermatomy-

coses, intern. symp., Miami, Fla. (H. Blank, Dept. of Dermatology, Univ. of Miami School of Medicine, Miami 36.)

26-28. Aeronautical and Navigation Electronics, IRE conf., Baltimore, Md. (L. G. Cumming, IRE, 1 E. 79 St., New York 21.)

26-28. Analytical Chemistry in Nuclear Reactor Technology, 3rd conf., Gatlinburg, Tenn. (C. D. Susano, Oak Ridge Natl. Lab., Box Y, Oak Ridge, Tenn.)

26-28. Gas Lubricated Bearings, 1st intern. symp., Washington, D.C. (S. W. Doroff, Power Branch, Office of Naval Research, Washington 25.)

(See issue of 21 August for comprehensive list)



Two New Mettler Analytical Balances

## TOP WEIGHING SPEED AND ACCURACY AT NEW LOW PRICES

- Increased Optical Range
- Priced Below Comparable Analytical Balances
- Full Sensitivity Under All Loads
- Patented Ring-Weights Exceed NBS Class S Tolerances
- Patented Air-Damping Unaffected by Pressure Changes
- Plastic Housing Insulates Against Temperature Variations

Two high-speed analytical balances have been added to the versatile Mettler "Multi-Purpose" line. They have the speed and accuracy of Mettler's other world-famous analytical balances . . . at prices \$100 and more below any comparable balance.

The H-15 Macro Balance has a capacity of 160 grams and an accuracy of  $\pm 0.05$  mg in differential weighings on the optical scale. It is \$125 less than the older Mettler B-5. The H-16 Semi-Micro model takes loads up to 80 grams and has  $\pm 0.02$ -mg accuracy in the optical range. It is \$100 less than the comparable Model B-6.

Both balances have an optical range of 200 mg . . . almost double that of the "B" balances. This means that more weighings can be made entirely on the optical scale, at maximum accuracy and speed. Ten to

twenty seconds is ample; loads up to the full capacity of the balance can be "dialed" in thirty seconds.

Like all Mettler balances, the H-15 and H-16 are designed for substitution weighing under constant load . . . hence, at constant sensitivity. Their single beam-arm eliminates the inherent lever error of double-pan balances. Two sapphire knife-edges, instead of the usual three, reduce bearing errors. Patented ring-weights and air-damping reduce other sources of weighing errors. The molded plastic housing insulates against temperature changes.

There is now a Mettler Type H balance for nearly every laboratory application, priced in proportion to their increasing accuracy. Write today for a booklet describing the design and performance of all five balances in this versatile series: 139 Fisher Building, Pittsburgh 19, Pennsylvania.

B-108b



## FISHER SCIENTIFIC

IN THE U.S.A. Chicago Philadelphia IN CANADA  
Boston Cleveland Pittsburgh Edmonton  
Buffalo Detroit St. Louis Montreal  
Charleston, W.Va. New York Washington Toronto  
America's Largest Manufacturer-Distributor of  
Laboratory Appliances & Reagent Chemicals