

Conference on Scientific Manpower, National Academy of Sciences-National Research Council, Scientific Manpower Commission.

Belmont Plaza (800 rooms), 49th Street and Lexington Avenue.

AAAS Sections E-Geology and Geophysics, H-Anthropology, and L-History and Philosophy of Science.

Association of American Geographers, Geological Society of America, National Speleological Society.

Conference on Scientific Manuscripts, History of Science Society, Philosophy of Science Association, Society for General Systems Research, Society for the History of Technology.

RAYMOND L. TAYLOR

Associate Administrative Secretary

Forthcoming Events

August

15-23. Soil Science, 7th intern. cong., Madison, Wis. (R. Bradfield, Dept. of Agronomy, Cornell Univ., Ithaca, N.Y.)

15-24. Crystallography, intern. cong., Cambridge, England. (W. H. Taylor, Cavendish Laboratory, Cambridge, England)

15-25. Chemistry of Natural Products, IUPAC symp., Melbourne, Canberra, and Sydney, Australia. (Convener, Symposium Organizing Committee, Box 4331, G.P.O., Melbourne)

15-25. International Geological Cong., 21st session, Copenhagen, Denmark. (IGC, Mineralogical-Geological Museum, Univ. of Copenhagen, Øster Boldgade 7, Copenhagen K)

15-25. International Paleontological Union, Copenhagen, Denmark. (J. Roger, Service d'Information Géologique, B.R.G.-G.M., 74, rue de la Fédération, Paris 15^e, France)

15-25. Sedimentology Cong., 6th intern., Copenhagen, Denmark. [General Secretary, IAS, c/o Institut Français du Pétrole, 4, place Bir Hacheim, Rueil-Malmaison (Seine-et-Oise), France]

16-18. Biological Effects of Microwave Radiation, 4th annual conf., New York, N.Y. (M. Eisenbud, New York Univ. Post Graduate Medical School, 550 First Ave., New York 16)

16-19. Society of Automotive Engineers, San Francisco, Calif. (R. W. Crory, SAE, Meetings Operation Dept., 485 Lexington Ave., New York 17)

17-19. Hydraulics Conf., Seattle, Wash. (W. H. Wisely, American Soc. of Civil Engineers, 33 W. 39 St., New York 18)

17-19. University Nuclear Reactors, Gatlinburg, Tenn. (University Relations Div., Oak Ridge Inst. of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn.)

17-21. Ionization Phenomena in Gases, 4th intern. conf., Uppsala and Stockholm, Sweden. (A. Nilsson, Fysikum, Uppsala)

18-19. Submarine and Space Medicine, 2nd intern. symp., Stockholm, Sweden. (H. Bjurstedt, Laboratory of Aviation Medicine, Karolinska Institutet, Stockholm, 60)

20. American Inst. of Ultrasonics in Medicine, Washington, D.C. (D. M. Stillwell, Dept. of Physical Medicine and Rehabilitation, Univ. of Colorado Medical Center, Denver 20)

21-24. Latin-American Cong. of Angiology, Rio de Janeiro, Brazil. (R. C. Mayall, Caixa Postal 1822, Rio de Janeiro)

21-24. National Council of Teachers of Mathematics, Salt Lake City, Utah. (M. H. Ahrendt, 1201 16 St., NW, Washington 6)

21-25. American Soc. of Pharmacology and Experimental Therapeutics, Seattle, Wash. (H. Hodge, ASPET Dept. of Pharmacology, Univ. of Rochester, Rochester, N.Y.)

21-26. American Cong. of Physical Medicine and Rehabilitation, Washington, D.C. (Mrs. D. C. Augustin, 30 N. Michigan Ave., Chicago 2, Ill.)

21-26. Physical Medicine, 3rd intern. conf., Washington, D.C. (W. J. Zeiter, 2020 E. 93 St., Cleveland, Ohio)

21-6. Pacific Science Cong., 10th. Honolulu, Hawaii. (Secretary-General, 10th Pacific Science Cong., Bishop Museum, Honolulu 17)

22-25. American Astronomical Soc., Mexico City, Mexico. (J. A. Hynek, Smithsonian Astrophysical Observatory, 60 Garden St., Cambridge 38, Mass.)

22-25. American Physiological Soc., San Francisco, Calif. (R. G. Daggs, APS, 9650 Wisconsin Ave., NW, Washington 14)

22-26. Plasma Physics, symp., Gatlinburg, Tenn. (University Relations Div., Oak Ridge, Inst. of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn.)

22-26. Western Resources, 2nd annual conf., Boulder, Colo. (M. E. Garnsey, Dept. of Economics, Univ. of Colorado, Boulder)

23-25. Assoc. for Computing Machinery, natl., Milwaukee, Wis. (J. Moshman, ACM, Council for Economic and Industry Research, 1200 Jefferson Davis Highway, Arlington 2, Va.)

23-25. Cryogenic Engineering Conf., Boulder, Colo. (K. D. Timmerhaus, CEC, Dept. of Chemical Engineering, Univ. of Colorado, Boulder)

23-26. American Statistical Assoc., annual, Palo Alto, Calif. (D. C. Riley, ASA, Beacon Bldg., 1757 K St., NW, Washington 6)

23-26. Biological Photographic Assoc., Salt Lake City, Utah. (Miss J. H. Waters, Box 1668, Grand Central Post Office, New York 17)

23-26. Institute of Mathematical Statistics, annual, Stanford, Calif. (W. Kruskal, Dept. of Statistics, Eckhart Hall, Univ. of Chicago, Chicago 37, Ill.)

23-28. American Ornithologists' Union, Ann Arbor, Mich. (H. G. Diegnan, Division of Birds, U.S. National Museum, Washington 25)

24-27. Forest Biology Conf., Seattle, Wash. (Miss E. N. Wark, Technical Assoc. of the Pulp and Paper Industry, 360 Lexington Ave., New York 17)

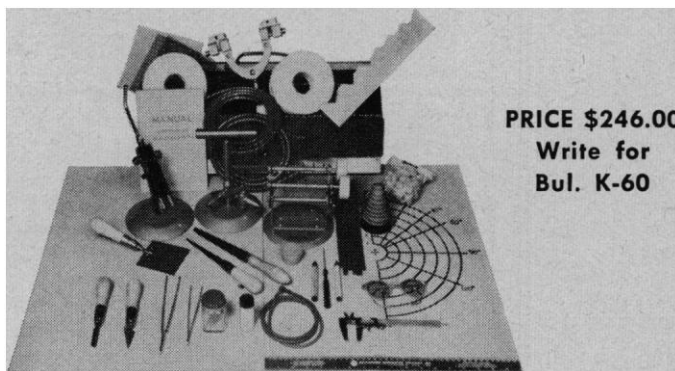
24-27. Internal Medicine, 6th intern. cong., Basel, Switzerland. (Secretariat, 6th ICIM, 13 Steinentorstr., Basel)

24-2. International Union for the History and Philosophy of Science, Stanford, Calif. (R. Taton, 64, rue Gay-Lussac, Paris 5^e, France)

NEW BETHLEHEM GLASSBLOWING KIT with MANUAL

for Chemists, Physicists, Engineers and Others To Construct, Repair,
Modify Apparatus Systems, Glass to Metal Seals

FROM
YOUR
DEALER



PRICE \$246.00
Write for
Bul. K-60

The Bethlehem Glassblowing KIT Contains

Asbestos Work Board
Hot Glass Rest
Sharp Flame Hand Torch
Torch Stand
Blowhose (2 extra
mouthpieces)
Spangle
Carbon Flat

Twin Tubing (2 sizes)
Didymium Goggles
Vernier Calipers
Tungsten Carbide Knife
Carbon Hex (2 sizes)
Rollers (dual purpose)
Crayon (2)

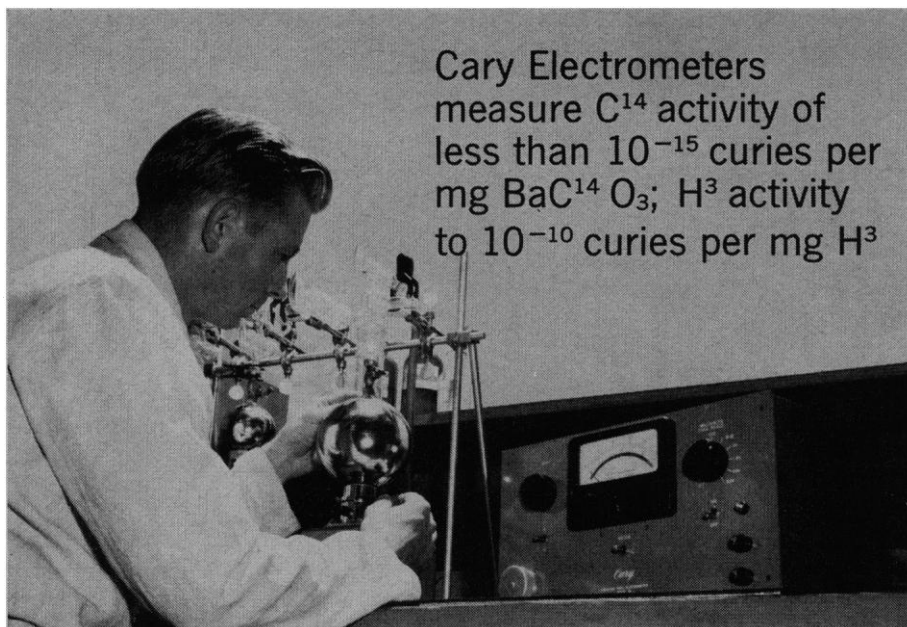
Assorted Corks
Asbestos Paper (2 sizes)
Carbon Rods (2 sizes)
Wire Screen (3 pieces)
Tweezers (2 sizes)
Ribbon Fire (gas-oxygen)
Ruler

Brass Shaper
Beeswax
Tungsten Tool
Sodium Nitrite
Pluro Stopper
Metal Kit Box
Manual



BETHLEHEM APPARATUS COMPANY, INC.

HELLERTOWN, PA.



Cary Electrometers
measure C^{14} activity of
less than 10^{-15} curies per
mg $BaC^{14}O_3$; H^3 activity
to 10^{-10} curies per mg H^3

Save time, money and bench space:

- High sensitivity allows use of smaller quantities of expensive tagged compounds
- Simplified operating procedures speed analysis
- Compact design requires little more than one square foot of bench space

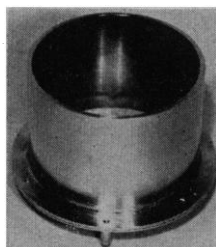
For information how Cary Electrometers can serve you, ask for data file E 16-70

Electrometers • UV-
Vis-Near IR and Raman
Spectrophotometers

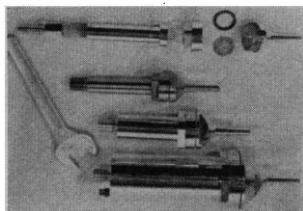


APPLIED PHYSICS CORPORATION • 2724 South Peck Road, Monrovia, Calif.

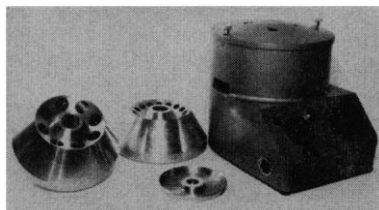
SEPARATION



The Long Life Sieve is designed to allow the operator to replace the screen upon failure. The savings in cost of testing is realized when the cost of the replacement of the screen alone is compared with the cost of the replacement of the sieve screen unit as now practised. The frame of the sieve is constructed of chrome plated brass.



Vac-Pres Filters are bacteriological filters which may be used for vacuum or pressure filtration. These filters are available in 10 ml, 50 ml and 250 ml capacities. Other sizes upon request. The Vac-Pres Filters manufactured of brass with the interior silver plated and the exterior chrome plated. Stainless steel also available.



The CSI High Speed Angle Centrifuge gives the laboratory worker a reliable and modern high speed centrifuge with maximum safety and flexibility by its unit design and interchangeable standard rotors. Speed 14,000 rpm plus. (Pat No. 2,699,289)

BROCHURE AND PRICE UPON REQUEST

CUSTOM SCIENTIFIC INSTRUMENTS, Inc.

541 DEVON STREET

KEARNY, N. J.

25-27. Chemical Organization of Cells, 2nd conf., Madison, Wis. (J. F. A. McManus, Dept. of Pathology, Univ. of Alabama Medical Center, Birmingham)

25-3. High Energy Nuclear Physics, intern. conf., Rochester, N.Y. (W. A. Jamison, Dept. of Physics and Astronomy, Univ. of Rochester, Rochester 20)

27-30. International Union of Biological Sciences, section of embryology, Palanza, Italy. (F. E. Lehmann, Kuhnweg 10, Berne, Switzerland)

28-31. American Phytopathological Soc., Green Lake, Wis. (W. B. Hewitt, Dept. of Plant Pathology, Univ. of California, Davis)

28-31. Potato Assoc. of America, Green Lake, Wis. (R. L. Sawyer, Long Island Vegetable Research Farm, Cornell Univ., Riverhead, N.Y.)

28-31. Soil Conservation Soc. of America, Guelph, Ontario, Canada. (H. W. Pritchard, 838 Fifth Ave., Des Moines 14, Iowa)

28-1. American Inst. of Biological Sciences, annual, Norman, Okla. (H. T. Cox, AIBS, 2000 P St., NW, Washington 6)

The following 20 meetings are being held in conjunction with the AIBS meeting at Stillwater, Okla.

American Bryological Soc. (G. J. Ikenberry, Dept. of Botany and Plant Pathology, Oklahoma State Univ., Norman)

American Fern Soc. (U. T. Waterfall, Dept. of Botany, Oklahoma State Univ., Norman)

American Microscopical Soc. (R. W. Jones, Dept. of Zoology, Oklahoma State Univ., Norman)

American Soc. for Horticultural Science. (D. G. White, Dept. of Horticulture, Oklahoma State Univ., Norman)

American Soc. of Limnology and Oceanography. (T. C. Dorris, Dept. of Zoology, Oklahoma State Univ., Norman)

American Soc. of Plant Physiologists. (C. L. Leinweber, Dept. of Botany and Plant Pathology, Oklahoma State Univ., Norman)

American Soc. of Plant Taxonomists. (U. T. Waterfall, Dept. of Botany, Oklahoma State Univ., Norman)

American Soc. of Zoologists. (R. W. Jones, Dept. of Zoology, Oklahoma State Univ., Norman)

Biometric Soc. (ENAR). (C. Marshall, Statistics Laboratory, Oklahoma State Univ., Norman)

Botanical Soc. of America. (W. W. Hanson, Dept. of Botany and Plant Physiology, Oklahoma State Univ., Norman)

Ecological Soc. of America. (A. Stebler, Oklahoma Cooperative Wildlife Research Unit, Oklahoma State Univ., Norman)

Genetic Soc. of America. (H. Bruneau, Dept. of Zoology, Oklahoma State Univ., Norman)

Mycological Soc. of America. (J. E. Thomas, Dept. of Botany and Plant Pathology, Oklahoma State Univ., Norman)

National Assoc. of Biology Teachers. (T. Overmire, 1709 Admiral Rd., Stillwater, Okla.)

Nature Conservancy. (A. Stebler, Oklahoma Cooperative Wildlife Research Unit, Oklahoma State Univ., Norman)

Phi Sigma Soc. (D. E. Howell, Dept. of Entomology, Oklahoma State Univ., Stillwater)

Phycological Soc. of America. (I. V. Holt, Dept. of Botany, Oklahoma State Univ., Norman)

Society for Industrial Microbiology. (R. C. Allred, Central Research Laboratory, Continental Oil Co., Ponca City, Okla.)

Society for the Study of Development and Growth. (R. W. Jones, Dept. of Zoology, Oklahoma State Univ., Norman)

Society of Protozoologists. (D. W. Twohy, Dept. of Zoology, Oklahoma State Univ., Norman)

Tomato Genetics Cooperative. (D. G. White, Dept. of Horticulture, Oklahoma State Univ., Norman)

28-1. Association of American Geographers, East Lansing, Mich. (M. F. Burrill, Office of Geography, Dept. of Interior, Washington 25)

28-1. Diseases of the Chest, intern. cong., Vienna, Austria. (M. Kornfeld, 112 E. Chestnut St., Chicago 11, Ill.)

28-2. Combustion, 8th intern. symp., Pasadena, Calif. (Office of Industrial Associates, California Inst. of Technology, Pasadena)

28-2. International Pharmaceutical Federation, Copenhagen, Denmark. (A. W. Tønnesen, Bispebjerg Hospital, Copenhagen, N.V.)

28-2. International Soc. for the Welfare of Cripples, world cong., New York, N.Y. (D. V. Wilson, 701 First Ave., New York 17)

28-3. Electron Microscopy, European regional conf., Delft, Netherlands. (A. L. Housink, Lab. v. Microbiologie, Julianalaan 67A, Delft)

28-3. Histochemistry and Cytochemistry, 1st intern. cong., Paris, France. (R. Wegmann, Institut d'Histochimie Medicale, 45, rue des Saints-Pères, Paris 6°)

29-31. American Sociological Assoc., New York, N.Y. (D. R. Young, Russell Sage Foundation, 505 Park Ave., New York)

29-31. Clinical Chemists (Canadian and American Societies), annual, Montreal, Canada. (E. Harpur, Montreal Children's Hospital, Montreal)

29-31. Electron Microscope Soc. of America, 18th annual, Milwaukee, Wis. (W. C. Bigelow, Dept. of Chemical and Metallurgical Engineering, Univ. of Michigan, Ann Arbor)

29-31. Metallurgy of Elemental and Compound Semiconductors, Boston, Mass. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18)

29-31. Water Quality Measurement and Instrumentation, PHS symp., Cincinnati, Ohio. (R. T. Hyde, Robert A. Taft Sanitary Engineering Center, 4676 Columbia Parkway, Cincinnati 26)

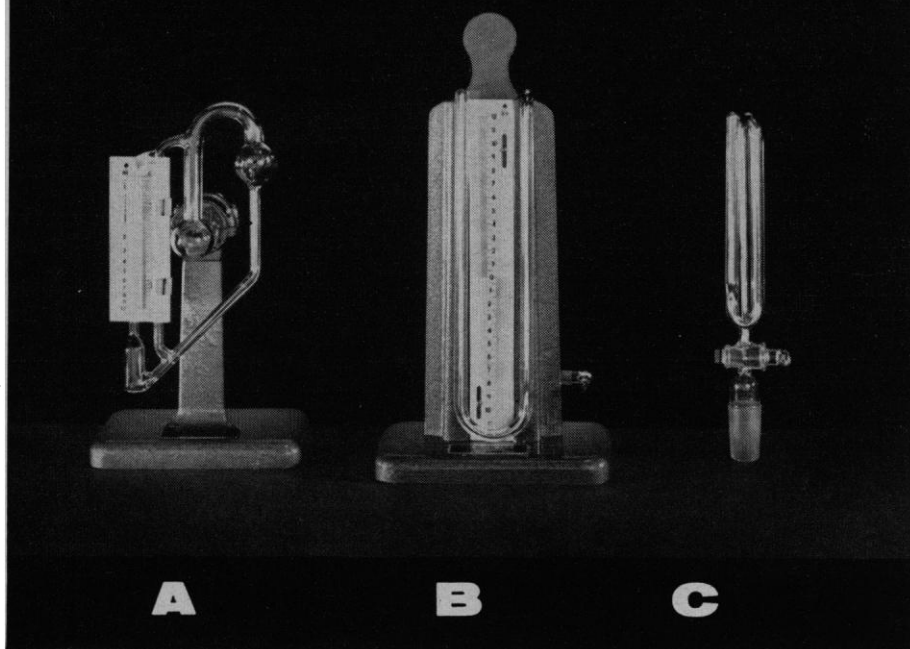
29-1. Ballistic Missile and Space Technology, 5th symp., Los Angeles, Calif. (C. T. Morrow, Space Technology Laboratories, P. O. Box 95001, Los Angeles 45)

29-1. Mathematic Assoc. of America, 41st summer, East Lansing, Mich. (H. M. Gehman, Univ. of Buffalo, Buffalo 14, N.Y.)

29-2. Semiconductors, 5th intern. conf., Prague, Czechoslovakia. (M. Matyas, Inst. of Technological Physics, Cukrovarnická 10, Prague 5)

29-3. American Mathematical Soc., natl. summer, East Lansing, Mich. (Miss L.

for accuracy: ACE gauges



A. ACE McLEOD GAUGE — Cat. No. 8726.

Accurate to within $\pm 3\%$. The most convenient and economical instrument for measuring low pressures from 1 micron up. Ace McLeod Gauge, now supplied with Hammertone gray stand, has new metal locking device with position holding action eliminating the need for glass hooks and springs. Gauge will hold to any position to which it is rotated. Calibrated TRUBORE® Tubing assures accuracy and changeability in each of the following pressure ranges:

Type	Pressure Range mm. Hg.	Lowest Reading mm. Hg.	Type	Pressure Range mm. Hg.	Lowest Reading mm. Hg.
A	0-1.0	0.001	C	0-10.0	0.010
B	0-5.0	0.005	D	0-15.0	0.050

B. VACUUM GAUGE, MERCURY MANOMETER — Cat. No. 7500.

Mounted on metal stand with adjustable plastic scale. Graduated 1 mm. from central zero point. Side arm with $\frac{1}{2}$ 12/30 joint simplifies filling, dismantling for cleaning. Complete with mercury.

C. VACUUM GAUGE — Cat. No. 7505.

Compact design for use with a 3 neck flask or Ace Reaction Flask. Graduated on both tubes from -5 to $+70$ mm. Complete with mercury in these joint sizes: $\frac{1}{2}$ 19/38, 24/40, 29/42.

For details on these and other gauges, consult Catalog 60
or write Dept. S for your copy.

ACE GLASS



INCORPORATED

Louisville, Ky.,

Vineland N. J.

Springfield, Mass.

Circle No. 237 on Readers' Service Card

Charron, AMS, Administrative Services, 190 Hope St., Providence, R.I.)

29-3. International Cong. on Low Temperature Physics, Toronto, Canada. (IUPAP, 3, boulevard Pasteur, Paris 15°, France)

29-3. International Conf. on Nuclear Structure, Kingston, Ontario, Canada. (L. G. Elliott, Atomic Energy of Canada, Chalk River, Ontario, Canada)

29-16. World Forestry Conf., 5th, Seattle, Wash. (I. T. Haig, 5th WFC, Dept. of State, Washington 25)

31-6. International cong. de Sociologie, 19th, Mexico City, Mexico. (C. C. Zimmerman, 200 Emerson Hall, Harvard Univ., Cambridge 38, Mass.)

31-7. Applied Mechanics, 10th intern. cong., Stresa, Italy. (F. Rolla, Consiglio Nazionale delle Ricerche, Ufficio Relazioni Internazionali, Piazza delle Scienze 7, Rome, Italy)

31-7. British Assoc. for the Advancement of Science, annual, Cardiff, South Wales. (Secretary, BAAS, 18 Adam St., Adelphi, London, W.C.2, England)

September

1-3. Nephrology, 1st intern. cong., Geneva and Evian, Switzerland. (G. Richet, Hôpital Necker, 149 rue de Sèvres, Paris 15°, France)

1-7. American Psychological Assoc., Chicago, Ill. (L. F. Carter, 249 Mantua Rd., Pacific Palisades, Calif.)

1-7. Nutrition, 5th intern. cong., Washington, D.C. (M. O. Lee, 9650 Wisconsin Ave., Washington 14)

2-5. Astronomical League, Haverford, Pa. (R. Dakin, 720 Pittsford-Victor Rd., Pittsford, N.Y.)

3-10. International Cong. of Preventive Medicine and Social Hygiene, 8th, Bad

Aussee, Austria. (A. Rottmann, Liechtensteinstrasse 32/4, Vienna 9, Austria)

4-9. Cell Biology, 10th intern. cong., Paris, France. (M. Chèvremont, Institut d'Histologie, 20, rue de Pitteurs, Liege, Belgium)

4-9. Laurentian Hormone Conf., Mont Tremblant, Quebec, Canada. (Arrangements Committee, Laurentian Hormone Conf., 222 Maple St., Shrewsbury, Mass.)

4-10. International Soc. of Orthopaedic Surgery and Traumatology, 8th cong., New York, N.Y. (A. Bailleux, Société de Chirurgie Orthopedique et de Traumatologie, 34, rue Montoyer, Brussels, Belgium)

4-10. World Cong. of Anaesthesiologists, Toronto, Canada. (R. A. Gordon, 516 Medical Arts Bldg., Toronto 5)

4-14. International Societies of Hematology and Blood Transfusion, 8th cong., Tokyo, Japan. (S. Murakami, Blood Transfusion Laboratory, Japanese Red Cross Soc., Shibuya, Tokyo)

5-7. Society for Biological Rhythm, 7th conf., Siena, Italy. (A. Sollberger, Dept. of Anatomy, Caroline Inst., Stockholm 60)

5-9. Chemical Engineering (Czechoslovak Chemical Soc.), Prague, Czechoslovakia. (Technická 1905, Prague-Dejvice, Czechoslovakia)

5-10. Microbiology of Non-Alcoholic Beverages, 5th intern. symp., Evian, France. (D. A. A. Mossell, Intern. Assoc. of Microbiological Societies, c/o Central Inst. for Nutrition Research, Catherinejnesingel 61, Utrecht, Netherlands)

5-9. Medium and Small Power Reactors, conf., Vienna, Austria. (International Atomic Energy Agency, 11 Kärntner Ring, Vienna 1)

5-10. Operational Research, 2nd intern. conf., Aix-en-Provence, France. (International Federation of Operational Research Societies, 11 Park Lane, London, W.1)

5-12. International Soc. of Bioclimatology and Biometeorology, 2nd cong., London, England. (E. M. Glaser, Dept. of Physiology, London Hospital Medical College, Turner St., London, E.1)

5-15. International Scientific Radio Union, London, England. (R. L. Smith-Rose, Radio Research Station, DSIR, Ditton Park, Slough, Bucks, England)

5-17. Photogrammetry, 9th intern. cong., London, England. (J. B. P. Angwin, Intern. Soc. for Photogrammetry, 18 Cavendish Sq., London, W.1)

6-8. Nuclear and Radio-Chemistry, symp., Chalk River, Ontario, Canada. (R. H. Betts, Atomic Energy of Canada Ltd., Chalk River, Ontario)

6-17. Use of Radioactive Isotopes in the Physical Sciences and Industry, conf., Copenhagen, Denmark. (International Atomic Energy Agency, 11 Kärntner Ring, Vienna 1, Austria)

7-8. Canadian Textile Seminar, 7th, Kingston, Ontario, Canada. (J. M. Merri-man, Textile Technical Federation of Canada, 223 Victoria Ave., Westmount, P.Q., Canada)

7-9. Canadian High Polymer Forum, 10th, Ste. Marguerite, near Montreal, Quebec, Canada. (D. A. I. Goring, CHPF, Pulp and Paper Research Inst., McGill Univ., Montreal)

7-9. International Soc. of Geographical Pathology, 7th conf., London, England. (J. S. Young, ISGP, c/o Dept. of Pathology, Forresterhill, Aberdeen, Scotland)

Determine both Na and K in a single sample run

Baird-Atomic Flame Photometer makes fast, precise
biological analyses reproducible to $\pm 0.5\%$

With a flick of a switch — and from a single serum sample — the Baird-Atomic Flame Photometer shows both Na and K concentrations. Because determinations are made in one step, no time is wasted between runs in cleaning and recalibration. Results are read directly, instantaneously in meq./liter without tedious calculations. Only a 0.05 cc sample — diluted 1:200 — is needed to make both determinations, plus a rerun for checking.

The B/A Direct Reading Flame Photometer combines the accuracy of a double beam instrument with ease of readout of a single beam instrument. It operates equally well on manufactured, natural or bottle gas. Because of its sealed air system and shielding, readings are not affected by tobacco smoke, solvent fumes or other airborne contaminants during operation.



Write today for more
complete information.

B/A Flame Photometer Condensed Specifications. Metals Analyzed and Guaranteed Sensitivity (1% of full scale):

Metal	meq./l.	mg%	ppm
Na	0.001	0.002	0.02
K	0.0025	0.005	0.05
Li	0.028	0.02	0.02

Reproducibility: $\pm 0.5\%$ av. Size: 15" x 17" x 16" Wgt.: 35 lbs.



BAIRD-ATOMIC, INC.

33 university road · cambridge 38, mass.

