

witz (survival through glacial epochs), and R. A. Lewin (algae).

Among topics discussed at a meeting of the International Science Association of Esperantists were norms for standardization of editorial policy and format for publication, and translation by computer (chief discussant, H. D. Neumann). Members of the Universal Medical Esperanto Association visited the National Cancer Institute and the Cardiac Surgery Hospital; they were also treated to a social reception at Chinzan-So, as guests of H. Shinoda. There were various excursions in and around Kyoto between 8 and 13 August.

The 51st Congress is scheduled for next August in Budapest.

RALPH A. LEWIN

*Scripps Institution of Oceanography,
La Jolla, California*

Forthcoming Events

June

1-3. **Electromagnetic Windows**, 8th symp., Georgia Inst. of Technology, Atlanta. (N. E. Poulos, Engineering Experiment Station, Georgia Inst. of Technology, Atlanta 30332)

1-3. Canadian Soc. of **Microbiologists**, Saskatoon, Sask. (Secretary-Treasurer, Research Branch, Canada Dept. of Agriculture, Central Experimental Farm, Ottawa, Ont.)

1-3. Canadian Soc. of **Plant Physiologists**, Canadian **Botanical Soc.**, Canadian **Phytopathological Soc.**, joint mtg., Univ. of British Columbia, Vancouver. (J. A. Webb, Dept. of Biology, Carleton Univ., Ottawa, Ont.)

1-3. Canadian **Psychological Assoc.**, annual mtg., Montreal, P.Q. (G. A. Gerguson, Dept. of Psychology, McGill Univ., Montreal)

1-3. American Soc. for **Quality Control**, 20th annual technical conf., New York, N.Y. (E. J. Lancaster, General Precision, Inc., 150 Totowa Rd., Wayne, N.J. 07470)

1-4. **Acoustical Soc.** of America, 68th spring mtg., Boston, Mass. (The Society, 335 E. 45 St., New York 10017)

2-4. American Soc. for **Metals**, New England regional conf., Boston, Mass. (W. J. Hilty, The Society, Metals Park, Ohio)

5-8. **Smoking and Health**, 1st intern. congr., New York, N.Y. (J. M. Muckell, Overseas Press Club, 54 W. 40 St., New York 10018)

6-7. Association for Applied **Gnotobiotics**, annual mtg., Notre Dame Univ., Notre Dame, Ind. (B. S. Wostmann, Lohnd Laboratory, Univ. of Notre Dame, Notre Dame)

6-8. **Chemical Inst.** of Canada, 49th annual conf., Univ. of Saskatchewan, Saskatoon. (The Institute, 48 Rideau St., Ottawa 2, Ontario)

6-9. **Biomedical Engineering**, symp., San Diego, Calif. (F. George, U.S. Naval Hospital, San Diego)

6-9. **Energy Conversion by Photosynthetic Apparatus**, conf., Upton, N.Y. (J. M. Olson, Biology Dept., Brookhaven Natl. Laboratory, Upton, L.I., N.Y.)

6-10. **Electric Contact Phenomena**, 3rd intern. symp., Univ. of Maine, Orono. (R. E. Armington, Dept. of Electrical Engineering, Univ. of Maine, Orono 04473)

6-10. **Food Irradiation**, symp., Karlsruhe, Germany. (J. H. Kane, Div. of Technical Information, U.S. Atomic Energy Commission, Washington, D.C. 20545)

6-10. **Medical Library Assoc.**, annual mtg., Boston, Mass. (The Association, 919 N. Michigan Ave., Chicago, Ill.)

6-11. **Biota of the Amazon Basin**, symp., Belem, Brazil. (R. L. Dressler, Museo Nacional, Quinta de Boa Vista, Rio de Janeiro, GB, Brazil)

7-9. Society of the **Plastics Industry**, 13th natl. conf., New York, N.Y. (Public Relations Director, The Society, 250 Park Ave., New York 10017)

8-10. Canadian Federation of **Biological Socs.** (includes Canadian Physiological Soc., Pharmacological Soc. of Canada, Canadian Assoc. of Anatomists, Canadian Biochemical Soc.) 9th annual mtg., Univ. of British Columbia, Vancouver. (A. H. Neufeld, Faculty of Medicine, Univ. of Western Ontario, London, Ont.)

9. Canadian **Standards Assoc.**, 39th annual mtg., Vancouver, B.C. (General Manager, 235 Montreal Rd., Ottawa 7, Ont.)

9-11. **Applications of Physics to Medicine**, symp., Univ. of Wisconsin, Madison. (J. R. Cameron, Dept. of Radiology, Univ. of Wisconsin, Madison 53706)

9-11. **Biomedical Engineering**, conf., New York Acad. of Sciences, New York, N.Y. (S. N. Levine, Dept. of Engineering, State Univ. of New York, Stony Brook, L.I.)

9-12. American Assoc. of **Neuropathologists**, Washington, D.C. (I. Feigin, 550 First Ave., New York 10016)

10-12. Society of **Biological Psychiatry**, conv. and scientific mtg., Washington, D.C. (W. A. Himwich, Galesburg State Research Hospital, Galesburg, Ill. 61401)

12-15. Canadian **Ophthalmological Soc.**, 29th annual mtg., Jasper, Alta. (Secretary, 1849 Yonge St., Toronto 7, Ont.)

12-16. American Soc. of **Mammalogists**, annual mtg., California State College, Long Beach. (R. Hardy, Dept. of Biology, California State College, Long Beach)

12-16. **Iota Sigma Pi**, 15th mtg., Oregon State Univ., Corvallis. (G. Perlmann, Rockefeller Inst., New York, N.Y. 10021)

12-17. **Cellular Homeostasis and Its Control**, mtg., Cambridge, England. (Intern. Union of Biological Sciences, General Secretariat, Dept. of Zoology, Univ. of Washington, Seattle 98105)

12-18. **Ceramics**, intern. congr., Stockholm, Sweden. (Mrs. A. L. Laurell, Drottningatan 20, IV, Stockholm C)

13-15. **Cryogenic Engineering**, conf., Boulder, Colo. (K. D. Timmerhaus, Engineering Research Center, Univ. of Colorado, Boulder)

13-15. American **Neurological Assoc.**, 91st annual mtg., Washington, D.C. (Ex-

ecutive Vice President, 710 W. 168 St., New York 10032)

13-16. **Allergology**, 8th Scandinavian congr., Oslo, Norway. (O. Strømme, Rikshospitalet, Oslo 1)

13-17. **Late Type Stars**, colloquium, Trieste, Italy. (M. H. Hack, Astronomical Observatory, Via Tiepolo 11, Trieste)

13-17. Canadian **Medical Assoc.**, 99th annual mtg., Edmonton, Alta. (The Association, 150 St. George St., Toronto, Ont.)

13-17. Society for Applied **Spectroscopy**, 5th natl. mtg., Chicago, Ill. (E. Lanterman, Borg-Warner Corp., Ingersoll Research Center, Wolf and Algonquin Rds., Des Plaines, Ill. 60018)

13-18. American Assoc. for the **Advancement of Science**, Pacific Div., Seattle, Washington. (R. C. Miller, California Acad. of Sciences, San Francisco)

13-18. **LSD and Related Drugs**, conf., Univ. of California, Berkeley. (Letters and Science Extension, Univ. of California, 2223 Fulton St., Berkeley 94720)

13-20. American Soc. of **Limnology and Oceanography**, Seattle, Wash. (H. Curl, Jr., Dept. of Oceanography, Oregon State Univ., Corvallis)

14-16. **Materials**, 3rd intern. symp., Berkeley, Calif. (J. A. Pask, Dept. of Mineral Technology, Univ. of California, Berkeley)

14-16. **Unpredictable Responses of Man to Drugs**, CBA Foundation symp., London, England. (W. Modell, 41 Portland Pl., London W.1)

14-17. Applied **Mechanics**, natl. congr., Univ. of Minnesota, Minneapolis. (R. Plunkett, 107 Aero Bldg., Univ. of Minnesota, Minneapolis 55455)

15-17. **Communications**, conf., Inst. of Electrical and Electronics Engineers, Philadelphia, Pa. (A. E. Joel, Room 2G-330, Bell Telephone Laboratories, Holmdel, N.J.)

15-22. **Science Seminar**, Air Force Office of Scientific Research, Albuquerque, N.M. (W. J. Price, Air Force Office of Scientific Research, Washington, D.C.)

15-24. European Federation of **Chemical Engineering**, 4th congr., London, England. (Inst. of Chemical Engineers, 16 Belgrave Sq., London S.W.1)

17-18. American **Rheumatism Assoc.**, Denver, Colo. (G. W. Speyer, 1212 Sixth Ave., New York 10036)

19-22. **Botanical Soc.** of America, Northeast sect. and **Torrey Botanical Club**, summer field mtg., Univ. of Tennessee, Knoxville. (R. K. Zuck, Dept. of Botany, Drew Univ., Madison, N.J.)

19-23. American **Nuclear Soc.**, 12th annual mtg., Denver, Colo. (Executive Secretary, 244 E. Ogden Ave., Hinsdale, Ill.)

19-24. American Soc. of **Medical Technologists**, Los Angeles, Calif. (R. Matthaei, Suite 25, Hermann Professional Bldg., Houston, Tex. 77025)

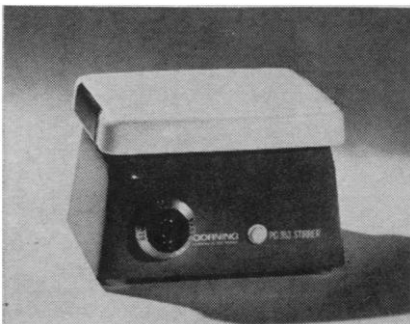
19-25. **Animal Nutrition**, 1st world congr., Madrid, Spain. (Intern. Veterinary Federation of Zootechnics, Calle Isabel la Católica 12, Madrid 13)

19-25. **Herpetologists' League**, Miami, Fla. (F. B. Turner, Laboratory of Nuclear Radiation and Biology, University of California, Los Angeles)

19-25. American Soc. of **Ichthyologists**



HEAT



STIR



HEAT AND STIR



HEAT MORE

New standards in swift heating and mixing efficiency, and in good looks, are yours with CORNING® Hot Plates and Stirrers. Their shining white tops are rugged PYROCERAM® brand glass-ceramic that won't pit, corrode, or rust. Order your choice today from your CORNING labware dealer. Or send for details on all four units to Laboratory Products Dept., Corning Glass Works, 9305 Crystal St., Corning, N.Y.

THE NEW STANDARDS COME FROM
CORNING
LABORATORY PRODUCTS

and Herpetologists, annual mtg., Miami, Fla. (The Society, Div. of Reptiles, U.S. Natl. Museum, Washington, D.C. 20561)

20-22. **Astrophysics**, 14th intern. symp., Liège, Belgium. (P. Ledoux, Inst. d'Astrophysique, Cointe-Sclassin, Belgium)

20-22. **Colloid and Surface Chemistry** Div., American Chemical Soc., 40th natl. symp., Univ. of Wisconsin, Madison. (E. Hutchinson, Dept. of Chemistry, Stanford Univ., Palo Alto, Calif. 94300)

20-22. American **Dairy Science** Assoc., Oregon State Univ., Corvallis. (E. O. Herreid, Station A. Box 250, Champaign, Ill.)

20-22. American **Malacological Union**, Pacific Div., conv., Univ. of Washington, Seattle. (Mrs. E. Marshall, 2237 NE 175 St., Seattle)

20-22. **Organic Scintillators**, symp., Argonne, Ill. (D. L. Horrocks, Chemistry Div., Argonne Natl. Laboratory, 9700 S. Cass Ave., Argonne 60440)

20-22. American **Physical Soc.**, Minneapolis, Minn. (R. G. Sachs, P.O. Box 344, Argonne, Ill.)

20-23. American Soc. for **Engineering Education**, 74th annual mtg., Washington State Univ., Pullman. (L. Winner, 152 W. 42 St., New York 10036)

20-24. **Air Pollution Control** Assoc., 59th annual mtg., San Francisco, Calif. (A. H. Batchelder, California Research Corp., 200 Bush St., San Francisco 94120)

20-24. **Crystal Growth**, intern. conf., Boston, Mass. (Secretary, Crystal Growth Conference, 40 Acorn Park, Cambridge, Mass. 02140)

20-24. Determination and Applications of **Radial Velocities**, symp., Toronto, Ont., Canada. (R. M. Petrie, Dominion Astrophysical Observatory, R. R. 7, Victoria, B.C., Canada)

20-25. International Federation of **Automatic Control**, 3rd congr., London, England. (G. Weiss, Dept. of Electrical Engineering, Polytechnic Inst. of Brooklyn, 333 Jay St., Brooklyn, N.Y. 11201)

20-30. Commission for the **Geological Map of the World**, general mtg., Paris, France. (F. Delaney, 12, rue de Bourgogne, Paris 7)

21-22. **High Lysine Corn**, conf., Purdue Univ., Lafayette, Ind. (Div. of Conferences and Continuation Services, Purdue Univ., West Lafayette, Ind. 47907)

21-23. Precision **Electromagnetic Measurements**, 5th biennial conf., Boulder, Colo. (J. Cronland, Bureau of Continuation Education, 328 University Memorial Center, Univ. of Colorado, Boulder 80304)

22-24. **Calorimetry**, 21st conf., Boulder, Colo. (O. J. Kleppa, Inst. for the Study of Metals, Univ. of Chicago, Chicago, Ill. 60637)

22-24. **Heat Transfer and Fluid Mechanics**, inst., Univ. of Santa Clara, Santa Clara, Calif. (J. A. Miller, Dept. of Aeronautics, U.S. Naval Postgraduate School, Monterey, Calif.)

22-24. **Germinal Centers of Lymphatic Tissue**, conf., Bern, Switzerland. (H. Cottier, Inst. of Pathology, Freiburgstr. 30, 3008 Bern)

22-24. **Quantum Optics**, 2nd conf., Univ. of Rochester, Rochester, N.Y. (R. H. Picard, Optical Physics Laboratory, Air Force Cambridge Research Laboratories, Hanscom Field, Bedford, Mass.)

ELEMENTS OF CLOUD PHYSICS by Horace Robert Byers

This authoritative text for advanced students of meteorology gives the physicochemical background of the formation, growth, and evaporation of cloud water drops and ice particles. \$7.50

.....●.....

PHYSICAL CLIMATOLOGY by William D. Sellers

Looks at the manifestations of climate as energy transformations, primarily at the boundary between the atmosphere and the earth's surface. "... will make a very fine text for senior and incipient graduate students for a one semester course ... a good modern reference for workers in the various fields of ecology who have an interest in climate." — *Science Magazine*. \$7.50

.....●.....

LECTURES ON GEOLOGY

Including Hydrography, Mineralogy, and Meteorology with an Introduction to Biology
by John Walker. Edited with Notes and an Introduction by Harold W. Scott.

If James Hutton, John Playfair, Sir James Hall and Robert Jameson were the fathers of geology — then John Walker was its grandfather. This remarkable man taught all of them but Hutton, at the University of Edinburgh. He discarded the academic concepts of ancient and medieval times and organized the known facts into the study now called geology. The publication of these lectures, unearthed by Harold W. Scott in the library of the University of Edinburgh, is an important discovery in the history of science. \$8.50

.....●.....

Inquire at your bookstore

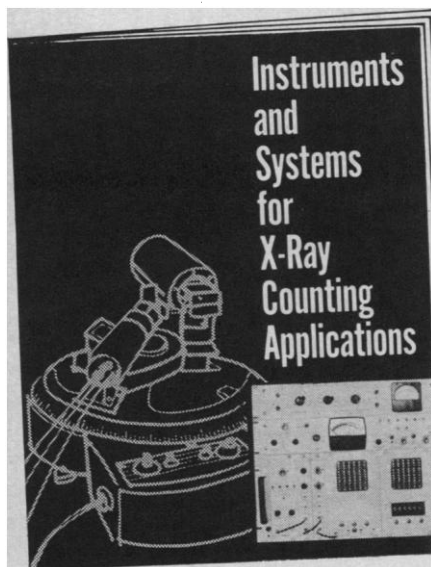
UNIVERSITY OF CHICAGO PRESS

5750 Ellis Avenue
Chicago, Illinois 60637

Chicago and London. In Canada:
The University of Toronto Press



New Hamner X-Ray Catalog



Experimenters employing counting techniques in X-Ray diffractometry, fluorescence, absorption and microanalysis will find information on improving the quality of their experimental data in Hamner's new X-Ray Counting Systems Catalog.

The catalog contains brief descriptions and specifications on Hamner's modular instruments and suggests typical complete systems. The inherent sensitivity, reliability and flexibility of Hamner instrumentation provide the researcher with high levels of analytical data in any of a wide variety of circuit configurations and with most commercially available goniometer systems.



HAMNER ELECTRONICS CO., INC.
A subsidiary of the Harshaw Chemical Company
Box 531, Princeton, N. J. 08540
Phone (609) 737-3400

Request your new 16-page catalog.

Name _____

Title _____

Organization _____

Address _____

City _____

State _____ ZIP _____

Dept. H

22-24. **Wood Chemistry**, 2nd Canadian symp., Ste. Marguerite, P.Q. (Chemical Inst. of Canada, 48 Rideau St., Ottawa 2)

22-25. **Endocrine Soc.**, 48th annual mtg., Chicago, Ill. (The Society, 1200 N. Walker, Oklahoma City, Okla.)

23-25. **Carotinoids Other than Vitamin A**, conf., Trondheim, Norway. (N. A. Sorensen, Norwegian Inst. of Technology, Trondheim)

23-25. **Nuclear Energy**, 11th intern. congr., Rome, Italy. (Secretariat, Comitato Nazionale per l'Energia Nucleare, Via Belisario, 15, Rome)

23-25. **National Soc. of Nuclear Medicine**, 13th annual mtg., Philadelphia, Pa. (The Society, 333 N. Michigan Ave., Chicago, Ill. 60601)

23-25. **Obstetrics and Gynecology**, 14th Scandinavian congr., Oslo, Norway. (K. Björo, University Clinic of Obstetrics and Gynecology, Oslo)

23-26. **Nutritional and Metabolic Maladies**, European congr., Vittel, France. (F. Dumez, Soc. Général des Eaux Minérales de Vittel, 44, avenue George V, Paris 8, France)

23-25. **Biomedical Engineering**, symp., Milwaukee, Wis. (H. S. Geer, 617 N. 13 St., Milwaukee 53233)

24-25. **Naturally Occurring Sulphur Compounds**, conf., Copenhagen, Denmark. (A. Kjaer, Royal Veterinary and Agricultural College, Copenhagen V)

25-26. **Drug Information Assoc.**, annual mtg., Chicago, Ill. (E. Conrad, American Medical Assoc., Chicago)

25-2. **Microcirculation**, 4th European conf., Cambridge, England. (P. A. G. Monro, Anatomy School, Univ. of Cambridge, Downing St., Cambridge)

26-28. **Society for Investigative Dermatology**, Chicago, Ill. (G. W. Hambrick, Jr., 3400 Spruce St., Philadelphia, Pa. 19104)

26-29. **American Soc. of Agricultural Engineers**, annual mtg., Univ. of Massachusetts, Amherst. (J. L. Butt, P.O. Box 229, St. Joseph, Mich.)

26-29. **European Soc. of Cardiovascular Surgery**, 15th intern. congr., Amsterdam, Netherlands. (Holland Organizing Centre, 16, Lange Voorhout, The Hague)

26-30. **American Medical Assoc.**, 99th annual mtg., Chicago, Ill. (The Association, 535 N. Dearborn St., Chicago, Ill. 60601)

26-30. **American Veterinary Medical Assoc.**, 103rd annual mtg., Louisville, Ky. (The Association, 600 S. Michigan Ave., Chicago, Ill.)

26-1. **American Physical Therapy Assoc.**, Los Angeles, Calif. (L. Blair, 1790 Broadway, New York 10019)

26-1. **American Soc. for Testing and Materials**, 69th annual mtg., Atlantic City, N.J. (ASTM, 1916 Race St., Philadelphia, Pa.)

26-2. **Chemistry of Natural Products**, 4th intern. symp., Stockholm, Sweden. (G. Aulin-Erdtman, Drottning Kristinas Vag 53, Stockholm O)

26-2. **International Assoc. of Gerontology**, 7th intern. congr., Vienna, Austria. (Mrs. I. Andersons, Austrian Medical Academy, Alserstr. 4, Vienna 9)

26-2. **Radiation Research**, 3rd intern. congr., Cortina d'Ampezzo, Italy. (G. Silini, Casella Postale 2359, Rome, Italy)

26-3. **National Education Assoc.**, conv., Miami Beach, Fla. (W. G. Carr, NEA, 1201 16th St., NW, Washington, D.C.)

27-28. **Astronomical Soc. of the Pacific**, annual summer mtg., Seattle, Wash. (P. W. Hodge, Dept. of Astronomy, Univ. of Washington, Seattle 98105)

27-28. **Fluorine Chemistry**, symp., Ann Arbor, Mich. (R. W. Parry, Dept. of Chemistry, Univ. of Michigan, Ann Arbor 48104)

27-29. **Aerospace Sciences**, West Coast mtg., Los Angeles, Calif. (W. J. Brunke, American Institute of Aeronautics and Astronautics, 1290 Sixth Ave., New York 10019)

27-29. **American Soc. of Heating, Refrigerating, and Air-Conditioning Engineers**, Toronto, Ont., Canada. (R. C. Cross, 345 E. 47 St., New York 10017)

27-29. **Marine Technology Soc.**, 2nd annual conf., Washington, D.C. (C. W. Covey, Undersea Technology, 617 Lynn Bldg., 1111 N. 19 St., Arlington, Va. 22209)

27-29. **Association for Research in Ophthalmology**, mtg., Chicago, Ill. (H. E. Kaufman, Dept. of Ophthalmology, Univ. of Florida College of Medicine, Gainesville)

27-29. **Transfer of Physical Characteristics in Moving Fluids**, symp., Vienna, Austria. (H. Parkus, Technische Hochschule Wien, Vienna IV)

27-29. **Vacuum Metallurgy Div.**, American Vacuum Soc., 9th annual mtg., New York, N.Y. (M. A. Orehsoski, U.S. Steel Corp., Applied Research Laboratory, Monroeville, Pa. 15146)

27-30. **Health Physics Soc.**, annual mtg., Houston, Tex. (J. G. Terrill, Jr., Div. of Radiological Health, U.S. Public Health Service, Washington, D.C.)

27-30. **Molecular Biology of Viruses**, symp., Univ. of Alberta, Edmonton, Canada. (J. S. Colter, Dept. of Biochemistry, Univ. of Alberta, Edmonton)

27-30. **International Primatological Soc.**, congr., Frankfurt, Germany. (Congress Secretary, Anatomical Inst., Ludwig Rehn Str. 14, 6 Frankfurt)

27-1. **Nobel Prize Winners**, 16th mtg., Lindau im Bodensee, West Germany. (H. F. Kiderlen, Standing Working Committee for the Nobel Prize Winner Mtgs., Postfach 11, 899 Lindau im Bodensee)

27-6. **Geophysical Theory and Computers**, symp., Cambridge, England, and Edinburgh, Scotland. (C. H. Smith, Upper Mantle Committee, Geological Survey of Canada, Ottawa, Ont.)

28-1. **Ferroelectricity**, intern. mtg., Prague, Czechoslovakia. (J. Fousek, Czechoslovak Acad. of Sciences, Inst. of Physics, Lumumbova 1, Prague 8)

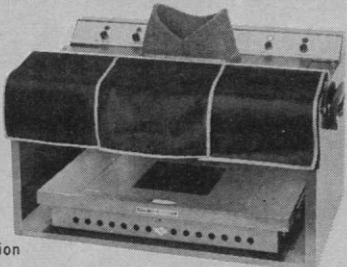
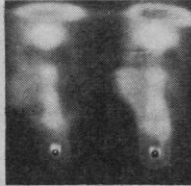
28-1. **Surgery**, Czechoslovak congr., Bratislava. (L. Kuzela, Partizanska 2, Bratislava)

29-1. **Chemistry of Sulfides**, conf., Princeton Univ., Princeton, N.J. (J. Sapocho, 306 Nassau Hall, Princeton)

30-2. **European Soc. for the Study of Drug Toxicity**, congr., Prague, Czechoslovakia. (Tschechoslowakische Medizinische Gesellschaft, J. E. Purkyne, Prague)

31-3. **Tissue Culture Assoc.**, annual mtg., San Francisco, Calif. (W. A. Nelson-Rees, Naval Biological Laboratory, Naval Supply Center, Oakland, Calif., 94625)

Chromatography in a New Light
Brighter Contrast—Better Definition
With
CHROMATO-VUE® Portable UV Darkroom
and **TRANSILLUMINATORS**

Paper chromatogram under ordinary ultraviolet illumination

Clearer definition, brighter contrast with Transilluminator Fluorescence

Now, thin layer and paper chromatography are more precise techniques with the improved **CHROMATO-VUE® Cabinet and TRANSILLUMINATORS**.

- Short wave (2537 Å) and long wave (peak at 3650 Å) sources in the **CHROMATO-VUE® Cabinet** quickly and accurately locate fluorescing and absorbing spots on chromatograms.
- **MINERALIGHT® Short Wave** and **BLAK-RAY® Long Wave TRANSILLUMINATORS** are positioned directly under and emit through chromatograms. Thus, greatly increased ultraviolet intensity turns dim or marginal fluorescence into clearly defined spots with brilliant contrast.

For complete information, write for Catalog S-150.

ULTRA-VIOLET PRODUCTS, INC.
5114 Walnut Grove Avenue, San Gabriel, Calif. 91778

Manufacturers of ultraviolet lamps and equipment since 1932.

MINERALIGHT®
BLAK-RAY®
CHROMATO-VUE®
PEN-RAY®

Texts for today's student—

- Crouch — Functional Human Anatomy**
662 Pages. 394 Illus., 39 in Color. 1965. \$9.50.
- Folk — Intro. to Environmental Physiology**
Approx. 350 Pages and 95 Illus. July, 1966.
- Gray's Anatomy of The Human Body**
Edited by C. M. Goss. 28th Edition. July, 1966.
- Noble — Parasitology: Biology of Animal Parasites**
724 Pages. 381 Figs. 1964. \$11.00.
- Olmstead — Mammalian Cell Water**
200 Pages. 50 Illus. 23 Tables. 1966. \$8.00.
- Porter — Fine Structure of Cells & Tissues**
68 Folio Pages. 37 Illustrations. 1964. \$4.50.
- Williams, et al.—Lab. Exercises for Biological Science**
189 Wirebound Pages. 1963. \$3.50.

Washington
Square

LEA & FEBIGER

Philadelphia
Pa. 19106

July

- 1-3. **Radiology of Normal and Pathological Mammary Structures**, European symp., Strasbourg, France. (C. Gros, Service Central de Radiologie, Hôpital Civil, Strasbourg 67)
- 4-8. **British Medical Assoc.**, Exeter, England. (Secretary, Tavistock Sq., London W.C.1, England)
- 4-8. **Magnetohydrodynamic Electrical Power Generation**, intern. symp., Salzburg, Austria. (European Nuclear Energy Agency, 38 blvd. Suchet, Paris 16)
- 4-8. **Mathematical and Computational Methods in Social Sciences**, Rome, Italy. (P. Maranda, Dept. of Anthropology, Peabody Museum, Harvard Univ., Cambridge, Mass. 02138)
- 4-8. **European Orthodontic Soc.**, 42nd congr., Garmisch-Partenkirchen, West Germany. (H. Derichsweiler, Sonnenstr. 27/111, Munich 15)
- 4-8. **Rarefied Gas Dynamics**, 5th intern. symp., Oxford, England. (C. L. Brundin, Engineering Laboratory, Parks Rd., Oxford)
- 4-9. **South African Assoc. for the Advancement of Science**, annual congr., Johannesburg. (I. M. Sinclair, The Association, P.O. Box 6894, Johannesburg)
- 4-15. **Ekistics and the Future of Human Settlements**, intern. seminar, Athens, Greece. (D. Iatridis, 24, Strat. Syndesmou St., Athens 136)
- 5-8. **Blood Groups of Domestic Animals**, 10th European conf., Paris, France. (J. Bouw, European Soc. for Animal Blood Group Research, 5 Duivendaal, Wageningen, Netherlands)
- 5-8. **Lens Design with Large Computers**, intern. conf., Rochester, N.Y. (Inst. of Optics, Univ. of Rochester, Rochester 14627)
- 5-9. **Technical and Industrial Communications**, 9th annual inst., Colorado State Univ., Fort Collins. (B. K. McKee, Inst. in Technical and Industrial Communications, Rm. 322 Liberal Arts, Colorado State Univ., Fort Collins 80521)
- 5-9. **Society for the Study of Fertility**, annual mtg., Cambridge, England. (D. Casey, 8 Jesus Lane, Cambridge)
- 5-9. **American Soc. of Pharmacognosy**, 7th annual mtg., Univ. of Minnesota, Minneapolis. (L. C. Schramm, College of Pharmacy, Univ. of Minnesota, Minneapolis 55455)
- 6-7. **Space Flight Mechanics**, specialist conf., Denver, Colo. (R. S. Novosad, Martin-Marietta Corp., Mail No. A127, Denver 80201)
- 6-8. **Space and Ballistic Missile Technology**, 11th symp., U.S. Air Force Academy, Colo. (C. T. Morrow, Aerospace Corp., P.O. Box 95083, Los Angeles, Calif. 90045)
- 6-9. **National Soc. of Professional Engineers**, annual mtg., Minneapolis, Minn. (The Society, 2029 K St., NW, Washington, D.C. 20006)
- 7-8. **Spectroscopy and Automation**, symp., Inst. of Physics and the Physics Soc., Univ. of Bristol, Bristol, England. (R. Jenkins, M.E.L., Equipment Co., Analytical Laboratory, 207 Kings Cross Rd., London W.C.1)
- 7-8. **Chemically Grown Surface Films**, conf., Univ. of Strathclyde, Strathclyde,



Laboratory
Apparatus for:

- ☐ HEAT
☐ LIGHT
☒ MOTION

Compact Magnetic Stirrer



Stir-Mate type 7800

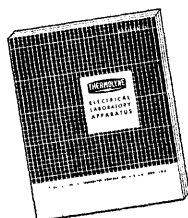
SMALL (4 1/4" dia. x 3" h) and **LIGHT** (1 1/2 lbs.) Type 7800 is best for confined lab setups, stirring hard-to-reach vessels with extra power and positive stepless control.

UNUSUAL STIRRER — Stir-Mate is an excellent **Slow Speed Stirrer** — stays locked in phase. No "jitterbugging" of stirring bar. Also stirs Conway dishes, Through heating mantles, and on the **Side** of vessels by its hanger.

Sturdy, attractive, stainless steel case has aluminum concentric ring top. Dovetail bracket with support rod fits standard clamps. Rugged, long-life construction, continuous duty motor.

Price with 2 stirring bars.....\$32.50

NEW!



40-Page complete line catalog of heat/light/motion items: furnaces, controllers, hot plates, magnetic stirrers, Stir-Plates, constant temp. apparatus, Dri-Baths, culture incubators, PBI Apparatus, lab lights, meters.

Write now
for **FREE** copy
of Catalog 65

THERMOLYNE CORPORATION

2555 KERPER BLVD.
DUBUQUE, IOWA 52003 U.S.A.

Contact Dept. 568E for name of nearest dealer.

27 MAY 1966

Scotland. (Meetings Officer, Inst. of Physics and the Physics Soc., 47 Belgrave Sq., London S.W.1)

8-12. **Graph Theory**, seminar, Rome, Italy. (International Computation Centre, Viale Civiltà del Lavoro 23, Rome)

9-15. **Medical Women's Intern. Assoc.**, 10th congr., Rochester, N.Y., and Niagara Falls, Ont. (The Association, 1790 Broadway, New York 10019)

10-15. **Power**, mtg., Inst. of Electrical and Electronics Engineers, New Orleans, La. (E. C. Day, IEEE, 345 E. 47 St., New York 10017)

10-16. **American Library Assoc.**, annual conf., New York, N.Y. (D. H. Clift, 50 E. Huron St., Chicago, Ill. 60611)

11-14. **Aerospace Systems**, conf., Seattle, Wash. (Inst. of Electrical and Electronics Engineers, 345 E. 47 St., New York 10017)

11-15. **International Council for Bird Preservation**, world conf., Cambridge, England. (The Council, c/o British Museum of Natural History, Cromwell Rd., London S.W.7)

11-15. **Use of Isotopes in Milk Technology**, seminar, Munich, West Germany. (Intern. Agency Liaison Branch, Office of the Director General, Food and Agriculture Org., Via delle Terme di Caracalla, Rome, Italy)

11-15. **Weights and Measures**, 51st natl. conf., Denver, Colo. (Executive Secy. of the Conference, National Bureau of Standards, Washington, D.C. 20234)

11-16. **Graphic Design and Visual Communications Technology**, 2nd intern. congr., Bled Yugoslavia. (Intern. Council of Graphic Design Assoc., Herengracht 567, Amsterdam-C, Netherlands)

11-16. **Hydraulics** 2nd Latin American congr., Caracas, Venezuela. (M. Gonzalez, Colegio de Ingenieros de Venezuela, Apartado de Correos 2006, Caracas)

11-16. **Reaction Mechanisms of Inorganic Solids**, intern. symp., Aberdeen, Scotland. (General Secretary, Chemical Soc., Burlington House, London W.1, England)

11-16. **Statistical Mechanics and Thermodynamics**, intern. symp., Copenhagen, Denmark. (T. A. Bak, H. C. Ørsted Inst., Univ. of Copenhagen, Copenhagen)

11-30. **Linguistics**, 2nd seminar, Grenoble, France. (Intern. Assoc. of Applied Linguistics, 9, rue Lhomond, Paris 5)

12-14. **Failure Analysis**, William H. Eisenman conf., New York, N.Y. (J. V. Richard, American Soc. for Metals, Metals Park, Ohio 44073)

12-15. **Use of Radioisotopes and Radiation in Dairy Science and Technology**, seminar, Vienna, Austria. (P. Fent, Div. of Public Information, Intern. Atomic Energy Agency, A-1010, Kärntnering 11, Vienna)

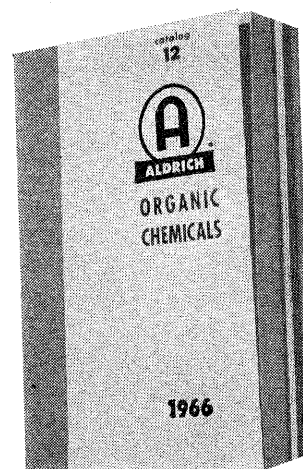
12-19. **International Union of Crystallography**, 7th general assembly and congr., Moscow, U.S.S.R. (J. Ibers, Chemistry Dept., Northwestern Univ., Evanston, Ill.)

14-16. **Listeriosis**, 3rd intern. symp., Bilthoven, Netherlands. (E. H. Kampelmacher, Natl. Inst. of Public Health, Sterrenbos 1, Utrecht)

14-16. **Uses of Plastics in the Pacific Northwest**, workshop, Richland, Wash. (R. A. V. Raff, College of Engineering, Washington State Univ., Pullman 99163)

ORGANIC CHEMICALS

For Your EVERY Need!



Our 12th Catalog, now in second print, lists over 8000 organic compounds...

- ORGANIC INTERMEDIATES
- BIOCHEMICAL TOOLS
- REAGENT CHEMICALS
- ANALYTICAL TOOLS
- ORGANO-METALLICS

These chemicals, all in stock, are easily found in our 1966 catalog with the aid of our 5 color-keyed sections (Alphabetical, Analytical Reagents, Structural Formula, Class of Compound and Empirical Formula).

Send for your **FREE** copy today!



ALDRICH CHEMICAL CO., INC.

MILWAUKEE, WIS. 53210

Aldrich Chemical Co., Inc.
2365 North 30th Street
Milwaukee, Wis. 53210

Please send me your catalog!

NAME
POSITION
COMPANY
ADDRESS
CITY
STATE ZIP

Self Sticking **TIME** TAPES & LABELS

(we make them)

You can

**WRITE ON THEM • PRINT
ON THEM • COLOR THEM
• NUMBER THEM**



Write for complete information
about our full line of Laboratory
Tapes and Labels

PROFESSIONAL TAPE COMPANY, INC.
365 East Burlington Road, Riverside, Ill. 60546

RUGGED YET FAST-ACTING—THE NEW PHOTOVOLT ELECTRODES

Always ready for immediate use. Adaptable
for all makes and models of pH meters.
Manufactured in Photovolt's own
U.S.A. plant. Choose from more
than 20 different types.



Ask your
Laboratory Supply Dealer,
or write to:

PHOTOVOLT

1115 Broadway, New York, N.Y. 10010

15-19. **Tetanus**, intern. conf., Bern, Switzerland. (W. Mamie, Tiefenauospital der Stadt Bern, Bern)

17-21. **Canadian Veterinary Medical Assoc.**, annual conv., Vancouver, B.C. (The Association, P.O. Box 416 C.P., Ottawa 2, Ont.)

17-22. **Control Prodecures in Drug Production**, 2nd seminar, Hershey, Pa. (W. L. Blockstein, Extension Services in Pharmacy, Univ. of Wisconsin, Madison 53706)

17-22. **American Soc. for Pharmacology and Experimental Therapeutics**, mtg., Mexico City, Mexico. (E. B. Cook, The Society, 9650 Wisconsin Ave., NW, Washington, D.C. 20014)

17-23. **Animal Venoms**, intern. symp., São Paulo, Brazil. (Conference Secretary, Inst. Butantan, Caixa Postal 65, São Paulo)

18-20. **American Inst. of Aeronautics and Astronautics**, Interagency Chemical Rocket Propulsion Group, mtg., Washington, D.C. (Chemical Propulsion Information Agency, 8621 Georgia Ave., Silver Spring, Md.)

18-20. **Aerospace Reliability and Maintainability**, 5th mtg., New York, N.Y. (American Inst. of Aeronautics and Astronautics, 1290 Sixth Ave., New York 10019)

18-22. **World Federation for Mental Health**, 19th mtg., Prague, Czechoslovakia. (J. E. Purkyne Czechoslovak Medical Soc., Sokolska 31, Prague)

18-22. **Nuclear and Space Radiation Effects**, annual conf., Stanford Univ., Palo Alto, Calif. (V. A. J. van Lint, General Atomics, Special Nuclear Effects Laboratory, Box 608, San Diego, Calif. 92112)

18-23. **Society of the Chemical Industry**, annual mtg., Dublin, Ireland. (The Society, 41 Belgrave Sq., London S.W.1, England)

18-24. **American Soc. for Horticultural Science**, 14th Caribbean region mtg., El Salvador, San Salvador. (E. H. Casseres, Calle Londres 40, Mexico 6. D.F.)

19-21. **Alkali Metals**, intern. symp., Nottingham, England. (General Secretary, Chemical Soc., Burlington House, London W.1)

20-21. **Crystal Growth**, symp., Moscow, U.S.S.R. (N. V. Belov, Inst. of Crystallography, Academy of Sciences of the U.S.S.R., Lenin Prospekt 59, Moscow B-333)

21-24. **Data Processing**, intern. conf., Chicago, Ill. (Data Processing Management Assoc., 524 Busse Highway, Park Ridge, Ill. 60068)

23-28. **Anatomy**, 1st Pan American congr., Mexico, D.F. (Congress Secretariat, Apt. Postal 25279, Admon. de Correos 70, Mexico 20)

24-30. **Microbiology**, 9th intern. congr., Moscow, U.S.S.R. (N. E. Gibbons, Intern. Assoc. of Microbiological Soc., Div. of Applied Biology, Natl. Research Council, Ottawa 2, Ont., Canada)

24-30. **Ornithology**, 14th intern. congr., Oxford, England. (N. Tinbergen, Dept. of Zoology, Oxford Univ., Oxford)

24-30. **Pharmacology**, intern. congr., São Paulo, Brazil. (M. Roche e Silva, Dept. of Pharmacology, Faculty of Medicine, Univ. of São Paulo, Ribeirão Preto, São Paulo)

25-27. **Data Acquisition and Processing in Biology and Medicine**, conf., Univ. of Rochester, Rochester, N.Y. (Office of

BEL-ART
funnels

POLYETHYLENE
VINYL
TEFLON*
POLYPROPYLENE

TEFLON

LAB TYPE

POWDER (Standard Taper Joints)

BUECHNER

LONG STEM

FLASK

THISTLE TUBE

WITH COLLAR

POWDER (Parallel Stem)

*Teflon, ©Du Pont Co.,

All types of plastic funnels.
A funnel for every purpose.

Available at your laboratory supply house.

Listed in NEW 1966 64-page catalog
For your FREE copy write Dept. E-5

BEL-ART PRODUCTS
PEQUANNOCK, N. J. 07440

Technical Activities Board, Inst. of Electrical and Electronics Engineers, 345 E. 47 St., New York 10017)

25-29. Interpretation and Therapy of Cardiac Arrhythmias, conf., Hahnemann Medical College and Hospital, Philadelphia, Pa. (L. S. Dreifus, Hahnemann Medical College, 230 N. Broad St. Philadelphia)

25-30. Animal Husbandry, intern conf., Göttingen, West Germany. (Intern. Agency Liaison Branch, Office of the Director General, Food and Agriculture Organization, Via delle Terme di Caracalla, Rome, Italy)

25-31. Genetics, intern, symp., São Paulo, Brazil. (G. Pavan, Dept. of Biology, Univ. of São Paulo, Caixa Postal 8105, São Paulo, Brazil)

26-28. American Astronomical Soc., Cornell Univ., Ithaca, N.Y. (G. C. McVittie, Univ. of Illinois Observatory, Urbana 61801)

26-30. Clinical Chemistry, 6th intern. congr., Munich, Germany. (O. Wieland, 11. Medizinische Universitätsklinik, Ziemssenstr. 1, 8 Munich)

27-30. International Primatological Soc. mtg., Frankfurt-am-Main, Germany. (D. Stark, Ludwig-Rehnstr. 14, Frankfurt)

28-31. Psychosomatic Medicine in Obstetrics and Gynecology, 3rd intern. congr., Vienna, Austria. (A. H. Palmrich, Vienna Acad. of Medicine, Alserstr. 4, Vienna 9)

29-30. Linguistic Soc. of America, Univ. of California, Los Angeles. (A. A. Hill, Box 8120 University Station, Austin, Tex.)

31-4. American Soc. of Animal Science, annual mtg., Rutgers Univ., New Brunswick, N.J. (A. M. Pearson, Dept. of Food Science, Michigan State Univ., East Lansing)

31-5. Dermatology, 13th intern. congr., Munich, West Germany. (C. G. Shirren, Frauenlobstr. 9, Munich)

31-6. Mycology, 4th European congr., Warsaw, Poland. (Intern. Union of Biological Sciences, General Secretariat, Dept. of Zoology, Univ. of Washington, Seattle 98105)

August

1-3. Electron Spin Resonance Spectroscopy, symp., American Chemical Soc. Div. of Physical Chemistry, Michigan State Univ., East Lansing. (M. T. Rogers, Dept. of Chemistry, Michigan State Univ., East Lansing 48823)

1-4. Psychoanalysis, 2nd Pan American congr., Buenos Aires, Argentina. (M. Heiman, 1148 Fifth Ave., New York, N.Y. 10028)

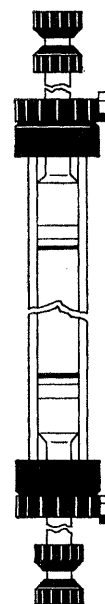
1-4. Toxicology and Occupational Medicine, 5th inter-American conf., Miami, Fla. (W. B. Deichmann, Univ. of Miami School of Medicine, Coral Gables, Fla. 33134)

1-5. Instrumentation Science, 3rd research conf., Instrument Soc. of America, William Smith College, Geneva, N.Y. (K. B. Schnell, ISA, 530 William Penn Pl., Pittsburgh, Pa. 15219)

1-6. Nuclear Physics, intern. seminar, Joensuu, Finland. (Research Inst. for Theoretical Physics, Univ. of Helsinki, Helsinki, Finland)

NEW from PHARMACIA

SEPHADEX® LH-20 extends gel filtration to organic solvents



Pharmacia Fine Chemicals now introduces the first lipophilic derivative—Sephadex LH-20—to extend the use of Sephadex to organic solvents. Since it swells in water, polar organic solvents and in mixtures of these solvents, Sephadex LH-20 makes it possible to apply the conventional Sephadex gel filtration technique in fields such as lipid chemistry, polymer chemistry and other areas of organic chemistry and biochemistry where organic solvents must be used.

Sephadex Solvent-Resistant Column

Having internal diameter 2.5 cm and 45 cm length, the new Sephadex Column SR 25/45 has been especially developed for chromatography in organic solvents. It is equipped with two specifically designed Upward-Flow Adaptors for conducting either ascending or descending chromatography as one of its many features.

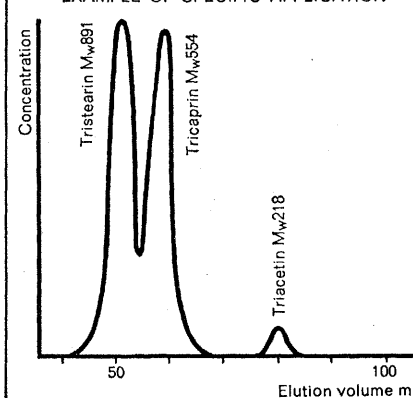
RANGE OF APPLICATION

Solvent	Approx. solvent regain ml solvent/g dry gel	Approx. bed volume ml/g dry gel
Dimethylformamide	2.2	4
Water	2.1	4
Methanol	1.9	3.5-4.0
Ethanol	1.8	3.0-3.5
Chloroform*	1.8	3.0-3.5
n-butanol	1.6	3
Dioxane	1.4	2.5-3.0
Tetrahydrofuran	1.4	2.5-3.0
Acetone	0.8	1.5

*Containing 1% ethanol.

Particle size: 25-100 μ

EXAMPLE OF SPECIFIC APPLICATION



Separation of glycerol esters in chloroform. Bed dimensions: 2.5x32 cm. Sample: 2 ml containing 4 mg of each substance. Flow rate: 0.6 ml/min.

For additional technical information, including the booklets *Sephadex LH-20* and *The Sephadex Solvent-Resistant Column*, write to:



PHARMACIA FINE CHEMICALS INC.
800 Centennial Avenue
Piscataway, New Jersey 08854

Pharmacia (Canada) Ltd., 110 Place Crémazie,
Suite 412, Montreal 11, P. Q.

(Inquiries outside U.S.A. and Canada should be directed to PHARMACIA FINE CHEMICALS, Uppsala, Sweden.)