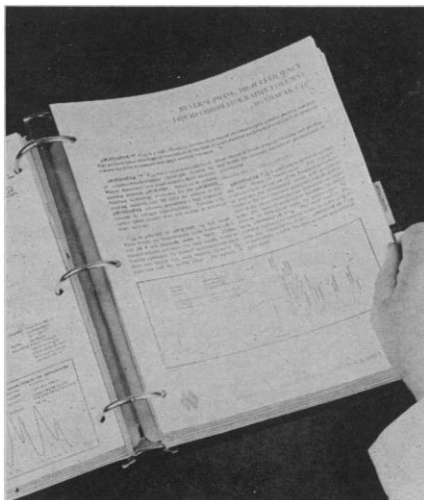


from Waters/the Liquid Chromatography People



required reading

for better, faster chromatographic separations

Consider Waters' library of liquid chromatography information your resource for solving separations problems. We've got factual, concise, and helpful monographs on a wide variety of topics. They are yours for the asking. Send for our complete Applications Index today. And if your separations problem is more pressing, give us a call; we'll do our best to help you.



165 Maple Street, Milford, Mass. 01757
Telephone (617) 478-2000

The Liquid Chromatography People

Circle No. 73 on Readers' Service Card

sity Medical Center), and (iv) pheromone systems in insects (W. Roelofs, New York State Agricultural Experiment Station, Geneva).

J. E. Casida (University of California, Berkeley) observed that various screening tests have been used in the search for new insecticidal natural products from plants, microorganisms, insects, annelids, and other organisms. A great variety of naturally occurring insecticidal materials is now known. Modifications of these toxicants have provided major new insecticides in a few cases; the best example of these are the pyrethroids, based on pyrethrins, which very well may be the next of the important classes of insecticides (M. Elliott, Rothamsted Experimental Station, England). Most natural insecticidal products are complex structures, and the toxic moiety is not defined. Simple analogs maximizing the critical portion of the molecule may provide improved activity, especially with structure optimization to obtain suitable polarity and physiochemical properties. These natural products should be subjected to more intensive study as a source of new insecticides, and increased attention should be focused on finding new naturally occurring insecticides by reexamination of available literature, directed screening, and structure optimization.

This meeting was sponsored by the Rockefeller Foundation, and was attended by 22 invited participants from institutions in Japan, England, West Germany, Canada, the Netherlands, the United States, and the U.N. Food and Agriculture Organization and World Health Organization. Cochairmen of this conference were R. L. Metcalf (University of Illinois) and J. J. McKelvey, Jr. (Rockefeller Foundation).

C. S. KOEHLER

*Department of Entomological Sciences,
University of California,
Berkeley 94720*

Forthcoming Events

December

9-11. **Hydrodynamical Numerical Models for Coastal and Open Ocean Areas**, American Geophysical Union, Monterey, Calif. (AGU, 1707 L St., NW, Washington, D.C. 20036)

11-13. **Nuclear Science and Scintillation and Semiconductor Counter Symp.**, Inst. of Electrical and Electronics Engineers, Washington, D.C. (D. C. Cook, Code 6603C, Naval Research Lab., Washington, D.C. 20390)

11-15. **American Psychoanalytic Assoc.**,

Springer-Verlag New York
Heidelberg Berlin

presenting definitive books and journals written by outstanding scientists throughout the world.

Over 130 years of experience in the Old World, now 10 years in the United States.

New Series

Comprehensive Manuals of Surgical Specialties

edited by Richard H. Egdahl

is a series of surgical atlases organized into a format useful to a wide range of physicians who diagnose and treat surgically correctable disorders.

Volumes in preparation include: *Manual of Endocrine Surgery*, *Manual of Urologic Surgery*, *Manual of Burns*, and *Manual of Vascular Surgery*.

Lecture Notes in Biomathematics

edited by S. Levin

report on the progress made in the applications of mathematical methods to the life sciences.

Volume 1, *Deterministic Threshold Models in the Theory of Epidemics* has been published. *Mathematical Problems in Biology/Victoria Conference and Stochastic Population Theories* are scheduled for publication.

Topics in Applied Physics

is a series devoted to research achievements of current interest. Each volume will deal with a different topic under the editorship of a recognized authority in the field.

New and forthcoming volumes include: *Dye Lasers*, *Laser Spectroscopy of Atoms and Molecules*, *Mössbauer Spectroscopy* and *Raman Scattering in Solids*.

New International Journals

Environmental Geology
Microbial Ecology
Journal of Mathematical Biology

Books and journals are on display at the

Springer-Verlag Booth
Inter Science International

Americana Hotel, New York, N.Y.
January 27-31, 1975



Springer-Verlag New York Inc.
175 Fifth Avenue
New York, N.Y. 10010

Circle No. 19 on Readers' Service Card

New York, N.Y. (M. A. Berezin, 90 Forest Ave., West Newton, Mass. 02165)

12-17. American **Geophysical Union**, San Francisco, Calif. (A. F. Spilhaus, Jr., AGU, 1707 L St., NW, Washington, D.C. 20036)

12-17. American Acad. of **Optometry**, Miami Beach, Fla. (J. N. Schoen, 118 N. Oak St., Owatonna, Minn. 55060)

14. U.S. Virgin Islands **Medical Soc.**, St. Croix. (S. Tabacco, Box 1, Cruz Bay, St. John, Virgin Islands 00830)

15-20. Asian Regional Congr. on **Radiation Protection**, Intern. Radiation Protection Assoc. under the auspices of the Indian Assoc. for Radiation Protection, Bombay. (S. D. Soman, Organizing Committee, RCRP, Modular Labs., Room 1-216H, Bhabha Atomic Research Centre, Bombay 400 085)

16. Academy of **Science** of St. Louis, Clayton, Mo. (M. D. Yates, ASSL, 1 Oak Knoll Pk., Clayton 63105)

16-17. **New Drug Seminar**, 5th, National Cancer Inst., Washington, D.C. (C. G. Zubrod, NCI, Room 3A-52, Building 31, Bethesda, Md. 20014)

17-19. British **Biophysical Soc.**, London, England. (G. Offer, Dept. of Biophysics, King's College, London, W.C.2)

26-31. American **Microscopical Soc.**, Tucson, Ariz. (G. Esch, Dept. of Biology, Wake Forest Univ., Winston-Salem, N.C. 27109)

27-29. American **Philosophical Assoc.**, Washington, D.C. (N. E. Bowie, APA, Hamilton College, Clinton, N.Y. 13323)

27-30. Western Soc. of **Naturalists**, Vancouver, B.C., Canada. (D. H. Montgomery, Dept. of Biological Sciences, California Polytechnic State Univ., San Luis Obispo 93401)

27-30. American Soc. of **Zoologists**, Tucson, Ariz. (M. Wiley, ASZ, Box 2739, California Lutheran College, Thousand Oaks 91360)

27-31. **Beta Beta Beta Biological Soc.**, Rio Piedras, P.R. (L. Bush, Drew Univ., Madison, N.J. 07940)

28-30. **Archaeological Inst. of America**, Chicago, Ill. (E. A. Whitehead, AIA, 260 W. Broadway, New York 10013)

28-30. American **Economic Assoc.**, San Francisco, Calif. (R. Fels, Vanderbilt Univ., 1313 21st Ave., S, Nashville, Tenn. 37212)

28-30. **Linguistic Soc. of America**, New York, N.Y. (T. A. Sebeok, Room 600, LSA, 1717 Massachusetts Ave., NW, Washington, D.C. 20036)

28-30. All India **Medical Conf.**, 50th, Indian Medical Assoc., Calcutta. (P. C. Bhatla, IMA House, Indraprastha Marg, New Delhi-1, India)

January

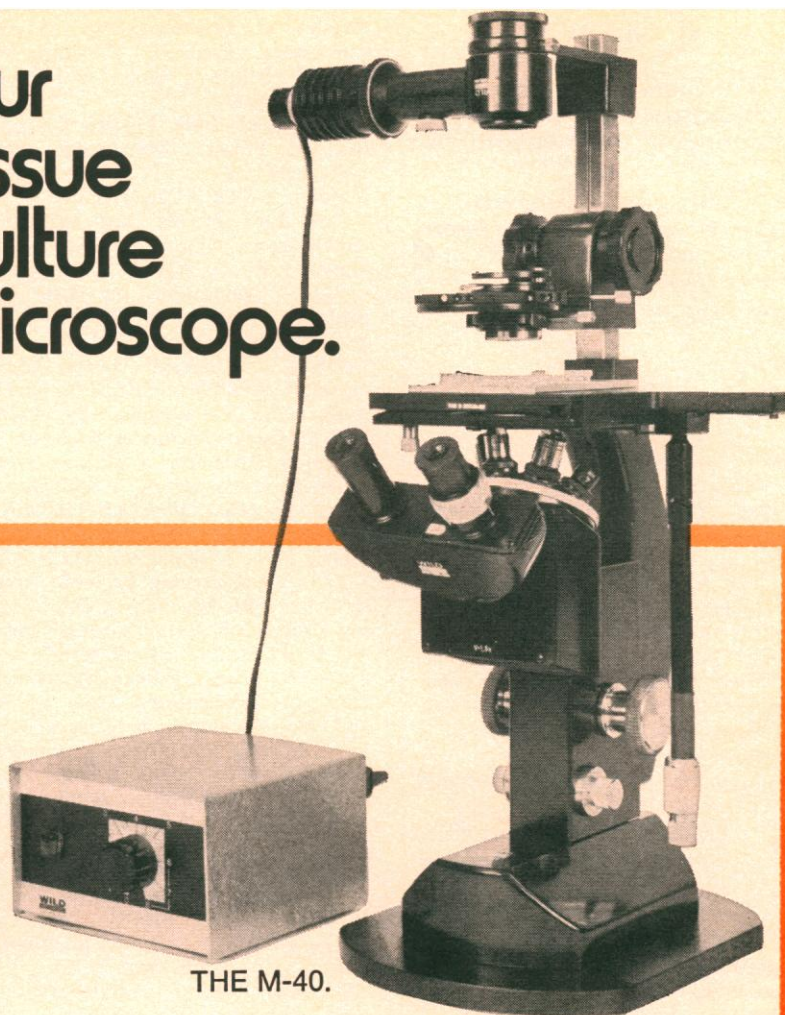
5-10. **Brackish Water as a Factor in Development**, intern. symp., Beer-Sheva, Israel. (A. Issar, Geology Dept., Ben Gurion Univ. of the Negev, P.O. Box 2053, Beer-Sheva)

6-7. **Central Action Drugs in the Regulation of Blood Pressure**, London, England. (O. T. Dollery, Dept. of Clinical Pharmacology, Royal Postgraduate Medical School, London, W12)

6-8. American **Chemical Soc.**, biennial Inorganic Div., Athens, Ga. (R. B. King, Dept. of Chemistry, Univ. of Georgia, Athens 30601)

15 NOVEMBER 1974

our
tissue
culture
microscope.



THE M-40.

the **SPECIALIST.**

WILD

No modifications, no put-ons, no expedients. The Wild M-40 is designed **specifically** for tissue culture and plankton investigations.

Work with standard petri dishes, flasks and tissue culture vessels. Use Koehler illumination with conventional brightfield and phase contrast techniques. Use with accessories for two station viewing. For photomicrography, cinemicrography and CCTV microscopy. Some specialist.

That's the WILD M-40, from the family of great Swiss optical instruments for geodesy, photogrammetry and microscopy. Backed by fast, full factory services.

WILD
HEERBRUGG

WRITE OR CALL
FOR BROCHURE M-40.

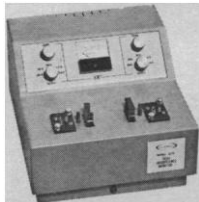
WILD HEERBRUGG INSTRUMENTS, INC.
FARMINGDALE, NEW YORK 11735 • 516-293-7400
WILD OF CANADA, 881 LADY ELLEN PLACE, OTTAWA 3, CAN.
WILD OF MEXICO, S. A. LONDRES 256, MEXICO 6, D. F.



For Clinical, Research, or Industrial Applications of Continuous Flow Monitoring or

Single Tube Analysis

Glenco has the answer with Direct Linear Absorbance Monitors at a price ANY lab can afford!



The GLENCO MODEL 57V offers versatility rarely found in instruments of this price range. For Continuous Flow Monitoring, this unit has the capability of monitoring two samples at the SAME or DIFFERENT WAVELENGTHS . . . or monitoring the differential signal of the same sample or monitoring the same sample at two different wavelengths. It is offered in two models:

- 1) with stepwise sensitivity selection or
- 2) continuously variable sensitivity adjustment so that recorder response matches sample concentration.

MODEL 57V, TYPE I OR TYPE II, 400-1100nm \$1050.00



The GLENCO MODEL 53A Direct Absorbance Reading Colorimeter is designed for Single Tube Analysis in all standard colorimetric methodologies. Utilizing the unique GLENCO Direct Absorbance Detecting Circuit, it allows the user to read directly in units of sample concentration in the range of 400-1100nm. With a 7nm bandpass and a linear range of over 2 absorbance units, this model offers features usually found only in expensive instruments.

It is adaptable for all tubes 10mm to 20mm and square cuvettes. An optional Pour-through Cell is available for repetitive readings using the same cell.

MODEL 53A, Concentration Colorimeter \$ 275.00

Model 53A-FC Concentration Colorimeter w/Flow-Through Cell 355.00

For information on complete line of GLENCO products, write:

GLENCO SCIENTIFIC, INC.
2802 White Oak Dr., Houston, Tx. 77007
Phone: 713/861-9123
TWX 910-881-6397

6-8. Conference on the Mechanics and Physics of Fracture, Inst. of Physics, Cambridge, England. (Meetings Office, IP, 47 Belgrave Sq., London, SW1X 8QX, England)

6-8. Solid State Physics Conf., 12th, Inst. of Physics, Manchester, England. (Meetings Office, IP, 47 Belgrave Sq., London, SW1X 8QX, England)

6-9. Law of the Sea Institute, 9th annual conf., Miami, Fla. (J. K. Gamble, Univ. of Rhode Island, Kingston 02881)

9-11. Symposium on Late Consequences of Successful Cancer Therapy: Proven and Potential, Natl. Cancer Inst., Orlando, Fla. (A. E. Evans, Children's Hospital of Philadelphia, 18th and Bainbridge Sts., Philadelphia, Pa. 19146)

1-2. Human Factors in Highway Transportation, 8th annual workshop, Transportation Research Board, Washington, D.C. (H. Lunenfeld, Office of Traffic Operations (HTD-32), Federal Highway Administration, Washington, D.C. 20590)

12-17. Engineering Problem Areas Interfacing with Rheology Conf., Engineering Foundation, Pacific Grove, Calif. (EF, 345 E. 47 St., New York 10017)

13-17. Miami Winter Symposia, 7th, Dept. of Biochemistry, Univ. of Miami, and the Papanicolaou Cancer Research Inst., Miami, Fla. (Miami Winter Symposia, P.O. Box 520906, Miami 33152)

13-17. Transportation Research Board, Natl. Acad. of Sciences-Natl. Research Council, 54th annual, Washington, D.C. (H. M. Gillespie, TRB, National Acad. of Sciences, 2101 Constitution Ave., NW, Washington, D.C. 20418)

14-15. Midwest Symp. on Bone, Columbia, Mo. (Conf. Section, M-175 Medical Center, Veterans Administration Hospital, Columbia, Mo. 65201)

17-19. Symposium on Animal Navigation, San Diego, Calif. (E. W. Huffman, Dept. of Zoology, San Diego State Univ., San Diego 92115)

19-25. American Mining Congr., Washington, D.C. (AMC, 1100 Ring Bldg., Washington, D.C. 20036)

20-22. Conference on Computer Architecture, Inst. of Electrical and Electronics Engineers, Houston, Tex. (W. King, Dept. of Computer Science, Univ. of Houston, Houston 77004)

20-22. Society of Thoracic Surgeons, Montreal, Canada. (W. G. Purcell, 111 E. Wacker Drive, Chicago, Ill. 60601)

20-23. American Meteorological Soc., 55th annual, Denver, Colo. (P. Julian, Natl. Center for Atmospheric Research, Box 3000, Boulder, Colo. 80303)

20-24. Nevada Acad. of Family Physicians, Lake Tahoe. (B. Holland, NAFF, 225 Albany St., Carson City, Nev. 89701)

20-25. Orbis Scientiae of the Center for Theoretical Studies, 2nd mtg., Coral Gables, Fla. (S. M. Widmayer, Center for Theoretical Studies, Univ. of Miami, Coral Gables 33124)

21-22. Vehicular Technology Conf., 25th, Inst. of Electrical and Electronics Engineers, Toronto, Ont., Canada. (G. A. Ross, Sinclair Radio Labs., Ltd., 122 Rayette Rd., Concord, Ont.)

22. Microprocessors and Microcomputers Symp., Newark, N.J. (Continuing Education, Newark College of Engineering/New Jersey Inst. of Technology, 323 High St., Newark 07102)

23-24. Fibrinolytic System: Molecular and Physiologic Aspects, 23rd annual symp., Detroit, Mich. (E. F. Mammen, Dept. of Physiology, Wayne State Univ., Scott Hall of Basic Medical Sciences, Detroit 48201)

23-27. American Mathematical Soc., Washington, D.C. (E. Pitcher, Dept. of Mathematics, Lehigh Univ., Bethlehem, Pa. 18015)

23-27. Conference Board of the Mathematical Sciences, Washington, D.C. (T. A. Botts, 834 Joseph Henry Bldg., 2100 Pennsylvania Ave., NW, Washington, D.C. 20037)

24-25. Developmental Psycholinguistics and Communication Disorders Conf., New York Acad. of Sciences, New York. (Conf. Dept., NYAS, 2 E. 63 St., New York 10021)

25-27. Mathematical Assoc. of America, Washington, D.C. (H. L. Alder, Dept. of Mathematics, Univ. of California, Davis 95616)

26-31. American Assoc. for the Advancement of Science, 141st annual, New York, N.Y. (AAAS Meetings Office, 1776 Massachusetts Ave., NW, Washington, D.C. 20036)

26-31. Power Engineering Soc., Inst. of Electrical and Electronics Engineers, New York, N.Y. (J. W. Bean, IEEE, 345 E. 47 St., New York 10017)

27-29. National Conf. on Materials Availability/Utilization, American Soc. for Metals, Chicago, Ill. (T. F. Andrassy, ASM Materials Conf., Metals Park, Ohio 44073)

27-30. American Assoc. of Physics Teachers, Anaheim, Calif. (A. A. Strassenburg, AAPT, Drawer AW, Stony Brook, N.Y. 11790)

27-31. American Nature Study Soc., New York, N.Y. (B. J. McKnight, ANSS, State Univ. College, New Paltz, N.Y. 12561)

28-30. Association for the Development of Computer-Based Instruction Systems, Charleston, S.C. (K. A. Duncan, Office of Computer Resources, College of Dental Medicine, 80 Barre St., Charleston 29401)

28-30. Reliability and Maintainability Symp., American Soc. for Quality Control, Washington, D.C. (J. H. Simm, Beckman Inst., Inc., 2200 Wright Ave., Richmond, Calif. 94804)

28-3. Winter Medical-Dental Assembly, Havana and Varadero Beach, Cuba. (A. T. Wachna, 504 Medical Arts Bldg., Windsor 14, Ont., Canada)

29-31. Western Spectroscopy Assoc., 22nd annual, Pacific Grove, Calif. (G. R. Haugen, L-404, Univ. of California, Lawrence Livermore Lab., Livermore 94550)

29-1. Southern Soc. for Pediatric Research, New Orleans, La. (J. R. Montgomery, Dept. of Pediatrics, Baylor College of Medicine, Houston, Tex. 77025)

31-2. Los Angeles Midwinter Radiological Conf., 27th annual, Los Angeles, Calif. (J. F. Mack, 4500 Marloma Dr., Rolling Hills Estate, Calif. 90274)

31-2. Southern Radiological Conf., 19th, Point Clear, Ala. (M. Eskridge, P.O. Box 7544, Mobile, Ala. 36607)

31-5. Biofeedback Research Soc., 6th annual, Monterey, Calif. (F. Butler, Room 202, Dept. of Psychiatry, Univ. of Colorado Medical Center, 4200 E. Ninth Ave., Denver, Colo. 80220)

February

2-5. American Soc. for **Adolescent Psychiatry**, 3rd Pan American mtg., Mexico City, Mexico. (M. D. Staples, 24 Green Valley Rd., Wallingford, Pa. 19086)

2-9. Noah Worcester **Dermatological Soc.**, Phoenix, Ariz. (H. Plotnick, 1150 David Whitney Bldg., Detroit, Mich. 48226)

3-7. National Symp. on **Forensic Science**, 4th, Perth, West Australia. (V. J. McLinden, Australian Forensic Science Soc., Government Chemical Labs., 30 Plain St., Perth, West Australia 6000)

4-7. **Industrial Waste Water and Wastes**, 2nd intern. congr., Union of Pure

and Applied Chemistry, Stockholm, Sweden. (B. Goransson, ICIWWW, Box 5607, S-114 86 Stockholm 5, Sweden)

4-7. Society for **Range Management**, Mexico City, Mexico. (F. T. Colbert, SRM, 2120 S. Birch St., Denver, Colo. 80222)

4-8. American **Group Psychotherapy Assoc.**, San Antonio, Tex. (M. Keefe, AGP, 12th Floor, 1865 Broadway, New York 10023)

5-7. **Aerospace and Electronic Systems**, 16th annual, Aerospace and Electronics Systems Soc. and the Los Angeles Council of the Inst. of Electrical and Electronic Engineers, Los Angeles, Calif. (Room 1920, IEEE Los Angeles Council Office, 3600 Wilshire Blvd., Los Angeles 90010)

5-7. San Diego **Biomedical Symp.**, 14th annual, sponsored by American Soc. for Quality Control, Mission Bay, San Diego, Calif. (L. Rosen, Dept. of Radiology, Univ. of California, P.O. Box 109, La Jolla 92037)

6-8. International Soc. of **Lymphology**, Rio de Janeiro, Brazil. (R. C. Mayall, 52, rue Dona Mariana, Buenos Aires, Argentina)

10-11. Symposium on **Practical Applications of Neutron Radiography and Gauging**, National Bureau of Standards and American Soc. for Testing and Materials, Gaithersburg, Md. (H. Berger, Reactor Radiation Div., Inst. for Materials Research, NBS, Washington, D.C. 20234)

10-13. American College of **Cardiology**, Houston, Tex. (W. D. Nelligan, ACC, 9650 Rockville Pike, Bethesda, Md. 20014)

10-13. **Meteorological Observations and Instrumentation**, 3rd symp., American Meteorological Soc., Washington, D.C. (J. Giraytys, Code W141, Natl. Weather Service, 8060 13th St., Silver Spring, Md. 20910)

12-14. **Solid State Circuits**, intern. conf., Inst. of Electrical and Electronics Engineers, Philadelphia, Pa. (IEEE, 345 E. 47 St., New York 10017)

12-15. Southern **Neurosurgical Soc.**, San Antonio, Tex. (G. T. Tindall, Emory Univ. Clinic, 1365 Clifton Rd., NE, Atlanta, Ga. 30322)

13-15. Society of **University Surgeons**, Phoenix, Ariz. (E. W. Fonkalsrud, Dept. of Surgery, Univ. of California Medical Center, Los Angeles, Calif. 90024)

14-15. International Symp. on **Psychopharmacology**, Louisville, Ky. (C. B. Denber, Dept. of Psychiatry and Behavioral Sciences, Univ. of Louisville, School of Medicine, Louisville 40201)

15-16. Symposium on **Computers in Laboratory Medicine**, San Francisco, Calif. (J. Hall, Continuing Education in Sciences and Mathematics, Univ. of California Extension, Berkeley 94720)

15-19. American Acad. of **Allergy**, San Diego, Calif. (J. O. Kelley, AAA, 225 E. Michigan St., Milwaukee, Wis. 53202)

15-21. Pan-Pacific **Surgical Assoc.**, Honolulu, Hawaii. (R. A. Rose, PPSA, 236 Alexander Young Bldg., Honolulu 96813)

16-20. American Inst. of **Mining, Metallurgical and Petroleum Engineers**, New York, N.Y. (J. B. Alford, AIMPE, 345 E. 47 St., New York 10017)

16-21. Inter-American Congr. of **Radiology**, Bogotá, Columbia. (A. Mejia, IACR, Aptdo Aereo 53737, Bogotá 2)

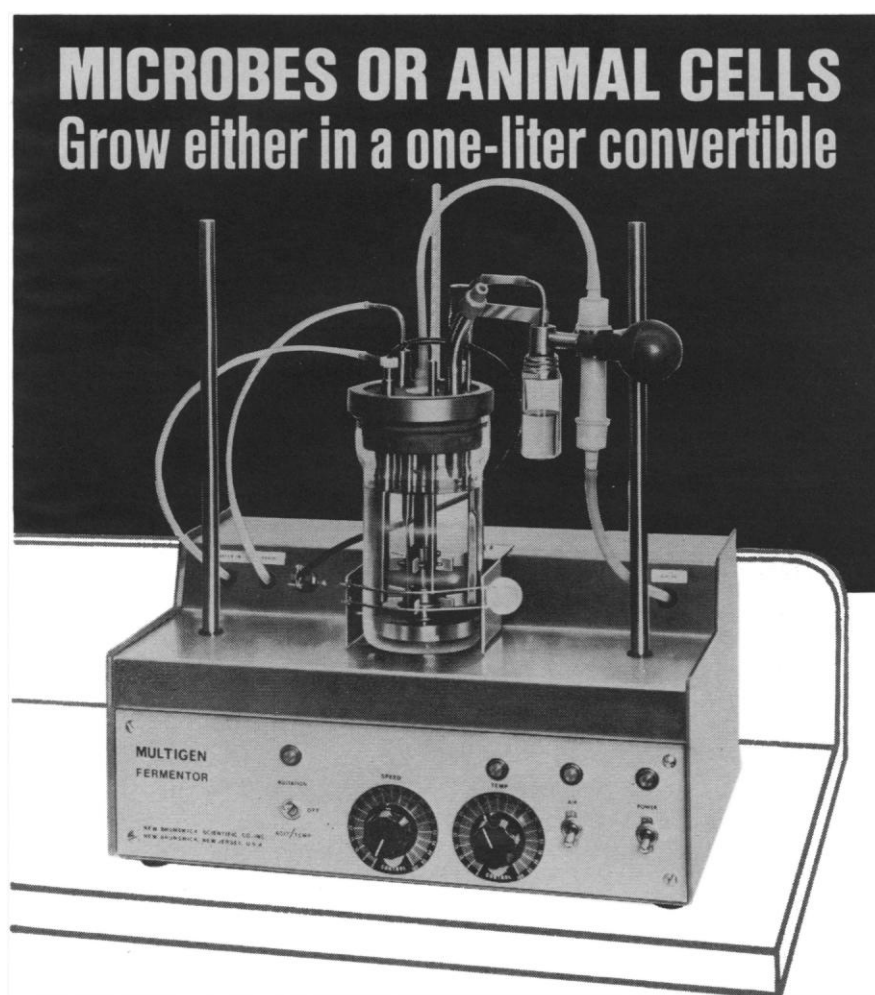
17-18. Conference on **Glacial Till**, Ottawa, Ont., Canada. (M. K. Ward, Conf. on Glacial Till, Natl. Research Council of Canada, Ottawa, K1A 0R6)

17-20. Southern **Surgical Congr.**, 43rd annual, Atlanta, Ga. (A. H. Letton, SSC, 340 Boulevard, NE, Atlanta 30312)

18-21. **Biophysical Soc.**, Philadelphia, Pa. (M. O. Daynoff, Natl. Biomedical Research Foundation, Georgetown Univ. Medical Center, 3900 Reservoir Rd., NW, Washington, D.C. 20007)

18-22. American Acad. of **Forensic Sciences**, Chicago, Ill. (M. M. Hibbard, AAFS, Room 515, 11400 Rockville Pike, Rockville, Md. 20852)

21-24. American Assoc. of **School Ad-**



The MultiGen is a low cost culture apparatus designed for the control of all basic environmental conditions: temperature, agitation, aeration, pH, and dissolved O₂. Whether the need is for viscous microbial cultures or animal cell suspensions, air sparging or gas overlay, the MultiGen can be adapted to specific research requirements, and can provide an ideal alternative to spinner flask procedures.

Virtually every component is supplied in one compact assembly; glassware, tubing, penetrations, air filter and sampler. It even has its own built-in air pump, heating system, and facilities for cooling, as well as a choice of agitation systems. The impellers are magnetically coupled to eliminate contamination.



ASK FOR BULLETIN F1000/S1174

NEW BRUNSWICK SCIENTIFIC CO., INC.

1130 SOMERSET ST., NEW BRUNSWICK, N. J. 08903 201-846-4600

With NBS, Advanced Technology is a Way of Life.

ministrators, Dallas, Tex. (Exhibit Coordinator, AASA, 1801 N. Moore St., Arlington, Va. 22209)

21-26. California Medical Assoc., Los Angeles. (H. Hassard, 731 Market St., San Francisco, Calif. 94103)

21-28. American Soc. of Clinical Pathologists and College of American Pathologists, Las Vegas, Nev. (J. Graves, Intersociety Committee on Pathology Information, 9650 Rockville Pike, Bethesda, Md. 20014)

22. Oregon Acad. of Science, Salem. (F. A. Hirsch, Dept. of Geography, Oregon College of Education, Monmouth 94761)

23-28. Coping with Environmental and Safety Regulations in the Food Industry, 5th conf., Engineering Foundation, Pacific Grove, Calif. (EF, 345 E. 47 St., New York 10017)

24-27. International Conf. on Carriers and Channels in Biological Systems, New York Acad. of Sciences, New York, N.Y. (Conf. Dept., NYAS, 2 E. 63 St., New York 10021)

24-27. Experimental Medicine and Surgery in Primates, 4th conf., Jerusalem, Israel. (J. Moor-Jankowski, LEMSIP, New York Univ. Medical Center, 550 First Ave., New York 10016)

25-26. American Inst. of Aeronautics and Astronautics, Washington, D.C. (J. J. Harford, AIAA, 1290 Ave. of the Americas, New York 10019)

25-27. Computer Conf., Inst. of Electrical and Electronics Engineers, Philadelphia, Pa. (IEEE, Technical Activity Board, 345 E. 47 St., New York 10017)

26-1. Assoc. for Children with Learning Disabilities, 12th intern. conf., New York, N.Y. (K. M. Tillotson, ACLD, Lower Level, 5225 Grace St., Pittsburgh, Pa. 15236)

26-1. American Cleft Palate Assoc., New Orleans, La. (H. A. Leeper, Jr., Speech and Hearing Clinic, Hanner Hall, Oklahoma State Univ., Stillwater 74073)

26-1. Society of Professors of Education, Chicago, Ill. (R. E. Bayles, 326 Adams St., Decatur, Ga. 30030)

26-2. Medical Soc. of Pan-American Doctors' Club, San Miguel, Mexico. (T. R. Maxson, Arilen Acres, Warrenburg, Mo. 64093)

27-1. American Soc. for Surgery of the Hand, San Francisco, Calif. (J. A. Boswick, Jr., ASSH, Box 2414, 4200 E. Ninth Ave., Denver, Colo. 80220)

27-1. Central Surgical Assoc., Chicago, Ill. (A. J. Walt, CSA, 540 E. Canfield, Detroit, Mich. 48201)

March

1. American Orthopaedic Foot Soc., San Francisco, Calif. (H. R. Cowell, Veterans Administration Center, 1601 Kirkwood Hwy., Wilmington, Del. 19805)

1-4. American Assoc. of Pathologists and Bacteriologists, New Orleans, La. (R. E. Anderson, Dept. of Pathology, Univ. of New Mexico School of Medicine, Albuquerque 87106)

1-6. American Acad. of Orthopaedic Surgeons, San Francisco, Calif. (C. V. Heck, AAOS, 430 N. Michigan Ave., Chicago, Ill. 60611)

1-8. International Acad. of Pathology, U.S.-Canadian Div., New Orleans, La.

(L. D. Stoddard, Dept. of Pathology, Medical College of Georgia, Augusta 30902)

2-6. Pine Mountain Conf. on Immunochimistry, American Assoc. of Clinical Chemists, Pine Mountain, Ga. (PMC, P.O. Box 50122, Federal Annex, Atlanta, Ga. 30302)

2-7. American Soc. of Contemporary Medicine and Surgery, Miami Beach, Fla. (V. Kendall, Suite 1506, ASCMS, 30 N. Michigan Ave., Chicago, Ill. 60602)

2-7. American Soc. on Contemporary Ophthalmology, Miami Beach, Fla. (J. G. Bellows, Suite 1506, ASCO, 30 N. Michigan Ave., Chicago, Ill. 60602)

3-5. National Federation of Abstracting and Indexing Services, Washington, D.C. (S. Keenan, NFAIS, 3401 Market St., Philadelphia, Pa. 19104)

3-5. Hydrogen-Energy Fundamental Symp., Coral Gables, Fla. (T. N. Veziroglu, Clean Energy Research Inst., School of Engineering and Environmental Design, Univ. of Miami, Coral Gables 33124)

3-7. Pittsburgh Conf. on Analytical Chemistry and Applied Spectroscopy, 26th, Soc. for Analytical Chemists of Pittsburgh and Spectroscopy Soc. of Pittsburgh, Cleveland, Ohio. (P. M. Castle, Westinghouse Research Labs., Beulah Rd., Pittsburgh, Pa. 15235)

3-7. Medical Data Processing Symp., Toulouse, France. (Inst. for Research in Information and Automation, Public Relations Dept., Domaine de Voluceau, 7815-Rocquencourt, France)

3-7. Nuclear Cross Sections and Technology Conf., American Nuclear Soc., American Physical Soc., Intern. Union of Pure and Applied Physics, National Bureau of Standards, and U.S. Atomic Energy Commission, Washington, D.C. (W. W. Havens Jr., Div. of Nuclear Science and Engineering, Columbia Univ., 520 W. 120 St., New York 10027)

6-7. Mississippi Acad. of Sciences, Jackson. (C. L. Dodgen, University Medical Center, Jackson 39216)

6-7. American Psychopathological Assoc., 65th annual, New York, N.Y. (E. Sachar, Bronx Municipal Hospital Center, Eastchester Rd. and Pelham Pkwy., Bronx, N.Y. 10461)

6-9. Student American Medical Assoc., Chicago, Ill. (C. C. Dewitt, 1400 Hicks Rd., Rolling Meadows, Ill. 60008)

7-12. American Soc. of Photogrammetry, Washington, D.C. (L. P. Jacobs, ASP, 105 N. Virginia Ave., Falls Church, Va. 22046)

9-13. Medical Soc. of the State of New York, New York. (H. I. Fineberg, MSSNY, 420 Lakeville Rd., Lake Success, N.Y. 11040)

9-13. Society of Toxicology, Williamsburg, Va. (R. A. Scala, Exxon Research and Engineering Co., P.O. Box 45, Linden, N.J. 07036)

10-12. Symposium on the Integrity of Water, Environmental Protection Agency, Washington, D.C. (K. M. Mackenthun, Office of Water Planning and Standards, Office of Water and Hazardous Materials, EPA, Washington, D.C. 20460)

10-14. International Symp. on Advances in Biomedical Dosimetry, Intern. Atomic Energy Agency, Vienna, Austria. (J. H. Kane, Office of Information Ser-

The last pipette you'll ever buy



With a
service policy
to back it.

The MLA Precision Pipette is the only automatic pipette with a lifetime guarantee.*

The Precision Pipette has a lifetime guarantee because it is made better. Precision tooled in corrosion resistant metals, individually hand calibrated to exacting tolerances.

MLA Pipettes are more durable. But all pipettes can stop functioning, MLA included. If this happens, return it and we'll repair it or replace it, and mail it back within 24 hours.

MLA Pipettes are available from selected Laboratory Supply Houses.

The Pipetting Decision... is worth your time. Use the Reader Service Number to send for our Pipette Information Pack.

*Nominal charge for postage and handling.



Medical Laboratory Automation, Inc.

520 Nuber Ave., Mt. Vernon, N.Y. 10550
914/664-0366

Circle No. 93 on Readers' Service Card



RUTH BENEDICT by MARGARET MEAD

Ruth Benedict was the first great woman social scientist, yet her initial chosen career was that of housewife. Margaret Mead, as her student, colleague and literary executor, examines the long struggle for identity that led Ruth Benedict from domestic chores, to poetry, to field work among the Zuni Indians, to a preeminent position in anthropology. A varied selection from Ruth Benedict's essential writings rounds out this picture of a remarkable giant of modern scholarship.

"Mead's portrait of her teacher, friend and colleague is ... full of objective but warm professional appreciation. A fine presentation."—*The Kirkus Reviews*
Leaders of Modern Anthropology Series \$8.95

At your bookstore or from

COLUMBIA UNIVERSITY PRESS

Address for orders:

136 South Broadway, Irvington, New York 10533

Circle No. 111 on Readers' Service Card

SEA WATER Heat Exchanger

- non-metallic
- non-contaminating
- heating
- cooling
- flow-through or recirculating
- FULL RANGE OF ACCESSORIES

CONTACT
NESLAB
INSTRUMENTS INC.

871 Islington Street, Portsmouth, N. H. 03801
U. S. A.

SLIDE-SHO®

by VPD



**THE VERSATILE SLIDE FILING
AND RETRIEVAL SYSTEM FOR
100 OR 100,000 SLIDES**

adapts to your specific needs

SEE 20 SLIDES AT A GLANCE
on VPD Slide-Sho Pages, molded of
lightweight, rigid, translucent plastic
with matte, light diffusing back panel.
For file cabinets, ring binders, rear-
screen illuminators.

**ASK FOR FREE SAMPLE
and brochure "Slide Filing Ideas"**
JOSHUA MEIER DIVISION
W.R. Grace & Co., North Bergen, N.J. 07047

Circle No. 130 on Readers' Service Card

vices, U.S. Atomic Energy Commission, Washington, D.C. 20545)

11-12. **Industrial Applications of Microprocessors**, Inst. of Electrical and Electronics Engineers, Philadelphia, Pa. (R. W. Bolz, Automation for Industry, Inc., 627-D Alpha Drive, Cleveland, Ohio 44143)

11-13. **Developments in Power-Systems Protection Conf.**, Institution of Electrical Engineers, London, England. (IEE, Savoy Pl., London, WC 2R)

12-14. **Particle Accelerator Conf.**—Accelerator Engineering and Technology, American Physical Soc., Natl. Science Foundation, and U.S. Atomic Energy Commission, Washington, D.C. (J. E. Leiss, Center for Radiation Research, Natl. Bureau of Standards, Washington, D.C. 20234)

12-15. **Neurosurgical Soc. of America**, San Diego, Calif. (S. N. Chou, Univ. of Minnesota Medical School, Minneapolis 55455)

13-14. **Symposium on Infections of the Fetus and the Newborn Infant**, Natl. Foundation—March of Dimes, New York, N.Y. (NF-MD, 622 Third Ave., New York 10017)

13-15. **Texas Radiological Soc.**, Abilene. (F. E. O'Neill, 1128 Nix Professional Bldg., San Antonio, Tex. 78205)

13-19. **American College of Allergists**, Bal Harbour, Fla. (E. Bauers, 2100 Dain Tower, Minneapolis, Minn. 55402)

14-16. **National Medicolegal Symp.**, American Medical Assoc. and the American Bar Assoc., Las Vegas, Nev. (AMA Office of the General Counsel, 535 N. Dearborn St., Chicago, Ill. 60610)

14-16. **National Wildlife Federation**, Pittsburgh, Pa. (T. L. Kimball, NWF, 1412 16th St., NW, Washington, D.C. 20036)

15. **American Association for the Advancement of Science**, Lancaster Branch, Millersville, Pa. (A. C. Hoffman, Dept. of Biology, Millersville State College, Millersville 17551)

16-18. **Association for the Advancement of Medical Instrumentation**, 10th annual, Boston, Mass. (F. Keutman, AAMI, Suite 417, 1500 Wilson Blvd., Arlington, Va. 22209)

16-19. **American Assoc. of Dental Schools**, San Francisco, Calif. (B. F. Miller, AADS, 1625 Massachusetts Ave., NW, Washington, D.C. 20036)

16-20. **International Anesthesia Research Soc.**, Hollywood, Fla. (B. B. Sankey, 3645 Warrensville Center Rd., Cleveland, Ohio 44122)

17-20. **National Assoc. for Research in Science Teaching**, Los Angeles, Calif. (P. Bell, College of Education, Pennsylvania State Univ., State College 16801)

17-20. **Thin Films Conf. on Surfaces**, 9th, Inst. of Physics, Warwick, England. (Meetings Officer, IP, 47 Belgrave Sq., London, SW1X 8QX, England)

18-20. **Conference on Micro-Electron Beam Technology for Fabrication, Recording and Dynamic Inspection**, Inst. of Physics, Cambridge, England. (Meetings Officer, IP, 47 Belgrave Sq., London, SW1X 8QX, England)

19-22. **Society for Applied Anthropology**, Amsterdam, Netherlands. (A. W. Wolfe, Dept. of Anthropology, Univ. of Wisconsin, Milwaukee 53201)

SCIENCE, VOL. 186

Circle No. 103 on Readers' Service Card