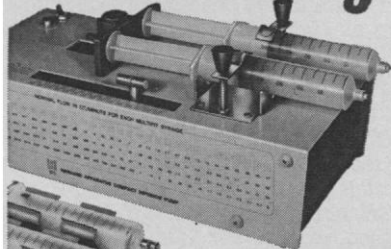
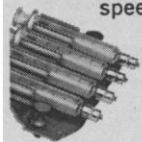


versatility!



COMPACT INFUSION PUMP

Model 975 accepts glass or plastic syringes from 100 to 5 ml. which are held in snap-on holders. 30-speed gearbox permits selection of synchronous speeds over a 17,000-1 range. Rates are 0.00046-154.8 ml./min.; weight is 12 lbs.



ASK FOR YOUR FREE
COPY OF BULLETIN 975

HARVARD APPARATUS

Dept. B-21, P. O. Box 24
Millis, Mass. 02054

Circle No. 100 on Readers' Service Card

DESK TOP INSTANT DATA SYSTEM

FIND THOUSANDS OF FACTS AT COMPUTER SPEED



NO
FILING OR
REFILING
EVER!

COMPACT.
EASY-TO-DO

The modern rapid way to locate countless facts at your desk without thumbing thru files. Specially coded cards are used to record any information you want close at hand—technical data, formulas, abstracts, statistics, bibliographies. Obtain just what you need in seconds—any group separates automatically simply by inserting a rod. No slow inefficient cross filing . . . no mechanical parts . . . no special training . . . minimum set up time.

30 DAY MONEY BACK GUARANTEE

Basic package
(200 cards,
hand notcher,
sorting rods,
instructions).

ONLY
\$25⁹⁵
POSTPAID

FREE
LITERATURE
ON REQUEST

Additional cards: 1000 for \$44.50 postpaid.

Information Retrieval System, Div. of

PROFESSIONAL AIDS CO.

1 N. Wacker Drive D-2 Chicago, Ill. 60606
PHONE: (312) 263-7622

Circle No. 103 on Readers' Service Card

Forthcoming Events

September

1-8. American Psychological Assoc., Honolulu, Hawaii. (K. B. Little, APA, 1200 17th St., NW, Washington, D.C.)

1-8. Psychometric Soc., Honolulu, Hawaii. (W. B. Schrader, Educational Testing Service, Princeton, N.J. 08540)

1-13. Participation of Less Industrialized Countries in World-Wide Documentation Activities and Information Exchange, 36th conf., Intern. Congr. of the International Federation for Documentation, Budapest, Hungary. (FID-IDLA Congr. Bureau, Budapest 8, POB 12, or Office of Documentation, Natl. Acad. of Sciences, 2101 Constitution Ave., NW, Washington, D.C. 20418)

2-9. History of Medicine, 23rd intern. congr., London, England. (Intern. Congr. Office, Wellcome Inst. of the History of Medicine, 183 Euston Rd., London N.W. 1)

3-5. Parapsychological Assoc., 15th annual, Edinburgh, Scotland. (J. G. Pratt, P.O. Box 152, Univ. of Virginia Hospital, Charlottesville 22901)

3-9. International Union of Nutritional Sciences Congr., Mexico City, Mexico. (A. Chavez, IUNSC, Viaducto Tlalpan Y San Fernando, Mexico 22, D.F.)

4-8. Health Conf., 4th intern., Dublin, Ireland. (K. Huppert, 90 Buckingham Palace Rd., London, S.W.1, England)

4-8. Physical Organic Chemistry, 1st conf., Union of Pure and Applied Chemistry and Swiss Chemical Soc., Crans sur Siere, Switzerland. (H. Zollinger, Dept. of Industrial and Engineering Chemistry, Swiss Federal Inst. of Technology, 6 Universitätsstrasse, CH-8006 Zurich, Switzerland)

4-8. International Committee on Rheology, 6th intern. congr., Lyon, France. (C. Smadja, VI^e Congr. Intern. de Rheologie, Boite Postale 1, 69 Lyon-Mouche)

4-9. International Council on Alcohol and Drug Addictions, 30th intern. congr., Amsterdam, Netherlands. (Case postale 140, 1001 Lausanne, Switzerland)

4-9. International Congr. of Pharmaceutical Sciences, 24th general assembly, Lisbon, Portugal. (Organizing Committee, Sindicato Nacional dos Farmaceuticos, 18 rua da Sociedade Farmaceutica, Lisbon 1)

4-10. European Soc. of Hematologists, 11th intern. symp., Reading, England. (N. G. M. Hague, Univ. of Reading, Bldg. 1, Spur J, Earley Gate, Whiteknights Rd., Reading RG6, 2AR)

4-10. World Future Research Conf., 3rd, Bucharest, Romania. (Romanian Organizing Commission of the Third World Future Research Conf., Bucharest I, Calea Victoriei 125)

5-7. Occupational Safety and Health of Young Workers, intern. symp., Belgrade, Yugoslavia. (L. Parmeggiani, Occupational Safety and Health Branch, International Labour Office, CH 1211, Geneva 22, Switzerland)

5-8. Conference on In Situ Composites, Naval Air Systems Command, Office of Naval Research and Natl. Materials Advisory Board, Lakeville, Conn. (F. D. Lemkey, United Aircraft Research Labs., East Hartford, Conn. 06108)

5-8. International Soc. of Internal Medicine, 12th intern. congr., Boston, Mass. (H. Ludwig, Burgenspital, Basle, Switzerland)

5-8. Metrology, Intern. Measurement Confederation, intern. symp., Bratislava, Czechoslovakia. (Insymet '72, Organizing Committee, Dom techniky SVTS, Kocel'ova 17, Bratislava)

5-8. New Developments in Reactor Physics, Kiamesha Lake, N.Y. (N. C. Francis, 2311 Plum St., Schenectady, N.Y. 12309)

5-8. American Political Science Assoc., Washington, D.C. (E. M. Kirkpatrick, APSA, 1527 New Hampshire Ave., NW, Washington, D.C. 20036)

5-9. Earthquake Protection of Underground Utility Structures, Engineering Foundation, Pacific Grove, Calif. (EF Conf., United Engineering Center, 345 E. 47 St., New York 10017)

5-12. European Congr. on Electron Microscopy, jointly by Inst. of Physics and Physical Soc. and Royal Microscopical Soc., Manchester, England. (L. Lawrence, EMCON 72, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London S.W.1)

5-12. Nuclear Structure Studies with Neutrons, intern. conf., Intern. Union of Pure and Applied Physics, Balatonfured, Hungary. (D. Kiss, Dept. of Nuclear Physics, Central Research Inst. of Physics, P.O. Box 49, Budapest 114, Hungary)

6-7. Phthalate Esters: Chemicals, Analytical Methodology, Environmental Aspects, Toxicology, Biochemical Actions, Natl. Inst. of Environmental Health Sciences, Pinehurst, N.C. (D. P. Rall, NIEHS, Natl. Insts. of Health, Research Triangle Park, N.C. 27709)

6-8. Catalytic Hydrogenation and Analogous Pressure Reactions, 4th conf., New York Acad. of Sciences, New York, N.Y. (W. Likely, NYAS, 2 E. 63 St., New York 10021)

6-8. Canadian Medical and Biological Engineering Soc., 4th conf., Winnipeg, (J. S. Townsend, 510A Engineering Bldg., Univ. of Manitoba, Winnipeg 19)

6-8. Tunable Lasers, Edinburgh, Scotland. (Meetings Officer, Inst. of Physics, 47 Belgrave Sq., London SW1X 8QX)

6-9. Society of General Physiologists, Woods Hole, Mass. (C. Edwards, Dept. of Biological Sciences, State Univ. of New York, Albany 12203)

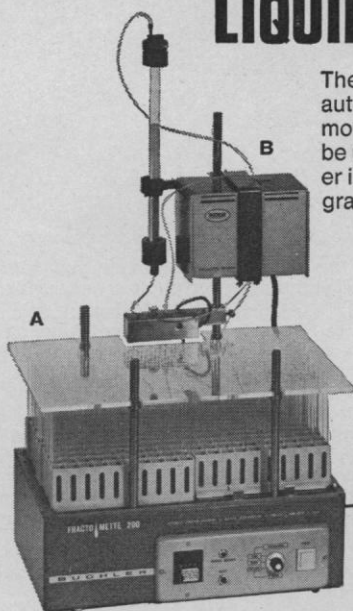
6-9. Synaptic Transmission and Interneuron Communication, Soc. of General Physiologists, Woods Hole, Mass. (C. Edwards, Dept. of Biological Sciences, State Univ. of New York at Albany, Albany 12222)

6-13. High Energy Physics, 16th intern. conf., Batavia and Chicago, Ill. (R. G. Sachs, Dept. of Physics, Univ. of Chicago, Chicago)

6-20. International Symp. on the Role of Snow and Ice in Hydrology, Banff, Alta., Canada. (I. C. Brown, Dept. of Environment, Room G-31, No. 8 Bldg., 870 Carling Ave., Ottawa, Ont., Canada K1A 0E4)

7-9. American Assoc. of Obstetricians and Gynecology, Hot Springs, Va. (C. A. Hunter, Jr., Indiana Univ. Medical Center, 1100 W. Michigan St., Indianapolis, Ind. 46202)

BUCHLER INSTRUMENTS FOR MONITORING AND COLLECTING LIQUID EFFLUENT



These components comprise a highly efficient, automatic system for continuous flow, liquid monitoring and collecting. They can, of course, be used separately and in conjunction with other instruments; together they form a Chromatographic system that you can depend on.

(A) Fractomettte: compact, 200 tube linear fraction collector

(B & C) Fractoscan: double-beam UV photometer that permits use of any wave length in the UV range; output linear in optical density.

(D) Potentiometric-Servo Recorder: A reliable recorder with 5" wide strip chart.



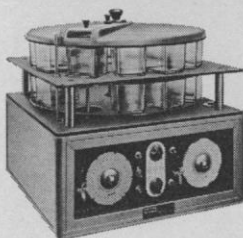
BUCHLER INSTRUMENTS DIVISION
NUCLEAR-CHICAGO CORP.

A SUBSIDIARY OF G. D. SEARLE & CO.

1327 SIXTEENTH STREET, FORT LEE, NEW JERSEY, 07024

Circle No. 63 on Readers' Service Card

Automatically improve your Lab Staff Productivity



The Shandon Elliott 23-station automatic slide staining machine gives you high reproducibility and uniform quality in preparing Pap stains, blood films, bone marrow spreads and tissue sections. Skilled technicians are released for other important work, improving overall productivity.

This slide stainer—holding up to 50 slides—is actually three machines in one: two separate machines operating simultaneously on different cycles, two separate units operating on the same staining cycle at the same time, or as one machine operating on all 23 staining positions. Also available are an 8-station model and a 12-station model.

For more information on these slide staining machines and other scientific instruments contact Shandon Southern Instruments, Inc., 515 Broad Street, Sewickley, Pa. 15143 (Pittsburgh District).



PITTSBURGH • LONDON • FRANKFURT

544

Circle No. 65 on Readers' Service Card

7-10. Association for **Humanistic Psychology**, Squaw Valley, Calif. (AHP, 416 Hoffman Ave., San Francisco, Calif. 94114)

7-11. American Soc. of **Photogrammetry**, San Francisco, Calif. (L. P. Jacobs, 105 N. Virginia Ave., Falls Church, Va. 22046)

10-13. American **Fisheries Soc.**, Hot Springs, Ark. (R. F. Hutton, AFS, 1040 Washington Bldg., Washington, D.C. 20005)

10-14. **Solid Electrolytes, Ion Transport in Insulating Layers, and Their Applications**, Intern. Soc. of Electrochemistry, Eindhoven, Netherlands. (H. Tannenberger, Battelle Centre de Recherche de Genève, 7 route de Drize, CH-1227 Carouge-Genève, Genève, Switzerland)

10-16. International Union for **Conservation of Nature and Natural Resources**, Banff, Canada. (R. I. Standish, IUCN, 1110 Morges, Switzerland)

11-12. American **Astronautical Soc.**, Palo Alto, Calif. (Miss A. Mitchell, AAS, Suite 700, 1629 K St., NW, Washington, D.C. 20036)

11-12. **Occupational Health**, 32nd annual, American Medical Assoc., Chicago, Ill. (H. F. Howe, AMA, 535 N. Dearborn St., Chicago 60610)

11-13. **Atmospheric Flight Mechanics**, 2nd conf., American Inst. of Aeronautics and Astronautics, Palo Alto, Calif. (AIAA, 1290 Ave. of the Americas, New York 10019)

11-13. **Marine Technology Soc.**, Washington, D.C. (R. W. Niblock, MTS, 1730 M St., NW, Washington, D.C. 20036)

11-15. **Accident and Traffic Medicine**, 4th intern. congr., Paris, France. (M. Helpert, 520 First Ave., New York 10016)

11-15. **General Principles of Rheology**, Prague, Czechoslovakia. (Rheology Group, Czechoslovak Chemical Soc., Hradčanské nám. 12, Prague)

11-15. **Power Generation Conf.**, Inst. of Electrical and Electronics Engineers, Boston, Mass. (G. O. Buffington, Stone & Webster, 225 Franklin St., Boston, Mass. 02107)

11-15. **Sarcoidosis**, 6th intern. conf., Tokyo, Japan. (Secretariat, Japan Sarcoidosis Committee, c/o J.N.R. Central Health Inst., Yoyogi 2-1, Shibuya, Tokyo 151)

11-15. **Stress Problems in Tunneling**, intern. symp., International Soc. for Rock Mechanics, Lucerne, Switzerland. (Schweizerische Gesellschaft für Bodenmechanik und Fundamentechnik, Postfach 8022, Zurich, Switzerland)

11-16. **Clinical Toxicology**, 3rd intern., Paris, France. (Prof. Gervais, Clinique Toxicologique, Hôpital Fernand-Widal, 200, rue du Faubourg, Saint Denis, 75 Paris)

11-16. **Drug Abuse and Addiction**, 2nd intern. congr., Paris, France. (M. Helpert, 520 First Ave., New York 10016)

11-17. **Otolaryngological Soc.** of Australia, Perth. (D. H. Bromfield, 254 St. George's Terrace, Perth)

12-14. **Elementary Particle Physics**, Southampton, England. (Meetings Officer, Inst. of Physics, 47 Belgrave Square, London SW1X, 8QX, England)

SCIENCE, VOL. 177

12-15. Collegium Internationale Allergologicum, London, England. (J. L. Turk, Dept. of Pathology, Royal College of Surgeons of England, Lincoln's Inn Fields, London, WC2A, 3PN)

12-15. Computer Applications in Radiology, 3rd conf., Columbia, Mo. (A. Oestreich, Dept. of Radiology, Univ. of Missouri, Columbia 65201)

12-15. Solid State Device Research Conf., 2nd European, Lancaster, England. (D. Hilsum, Royal Radar Establishment, St. Andrews Rd., Great Malvern, Worcestershire, England)

12-16. International Commission of Agricultural Engineering, Florence, Italy. (Comité d'Organisation: Istituto di Idronomia montana dell'Università, Piazzale Cascine 18, 50 144 Florence)

12-16. Anatomic and Clinical Pathology, 8th intern. congr., and World Assoc. of Anatomic and Clinical Pathology Socs., 25th, Munich, Germany. (H. Lommel, Secretary-General, WAPS 8th World Congr., 509 Leverkusen, West Germany Postfach 37)

12-16. Lysosomes in Cell Pathology, 3rd intern. conf., European Group for the Study of Lysosomes, Louvain, Belgium. (P. J. Jacques, Dekenstraat, 6, B-3000, Louvain)

13-15. Aerodynamic Testing, 7th conf., American Inst. of Aeronautics and Astronautics, Palo Alto, Calif. (AIAA, 1290 Ave. of the Americas, New York, N.Y. 10019)

13-15. Engineering in the Ocean Environment, Inst. of Electrical and Electronics Engineers, Newport, R.I., 02840. (J. J. Greichin, Naval Underwater Systems Center, Newport 02840)

13-15. Operational Research Soc., annual conf., Birmingham, England. (ORS, 62-64 Cannon St., London, England)

14-15. High Performance Fibers Symp., Boston, Mass. (L. Rebenfeld, Fiber Soc., P.O. Box 625, Princeton, N.J. 08540)

14-15. Testing of High-Performance Fibers, Fiber Soc., Boston, Mass. (L. Rebenfeld, FS, P.O. Box 625, Princeton, N.J. 08540)

16-23. International Soc. for Research on Civilization Diseases and Vital Substances, 18th, Berlin, Germany. (3000 Hannover-Kirchrode/Bundesrepublik Deutschland, Bemeroder Strasse 61, Germany)

17-20. American Mining Congr., San Francisco Calif. (AMC, 1100 Ring Bldg., Washington, D.C. 20036)

17-20. Storage and Flow of Solids, 2nd conf., American Soc. of Mechanical Engineers, Chicago, Ill. (T. Ferdinand, ASME, 345 E. 47 St., New York 10017)

17-23. International Congr. of Occupational Health, 7th, Buenos Aires, Argentina. (R. A. Penalver, Office of International Medical Education., Univ. of Miami School of Medicine, 1120 Anastasia, Coral Gables, Fla. 33134)

18-20. Canadian Soc. of Chemical Engineering, 22nd conf., Toronto, Ont. (CSCE, Suite 906, 151 Slater St., Ottawa, Ont., Canada K1P 5H3)

18-21. Congress of Aviation Medicine, Nice, France. (Medicin General Raboutet, Ministère des Travaux publics et des Transports, 155, rue de la Croix-Nivert, Paris, France)

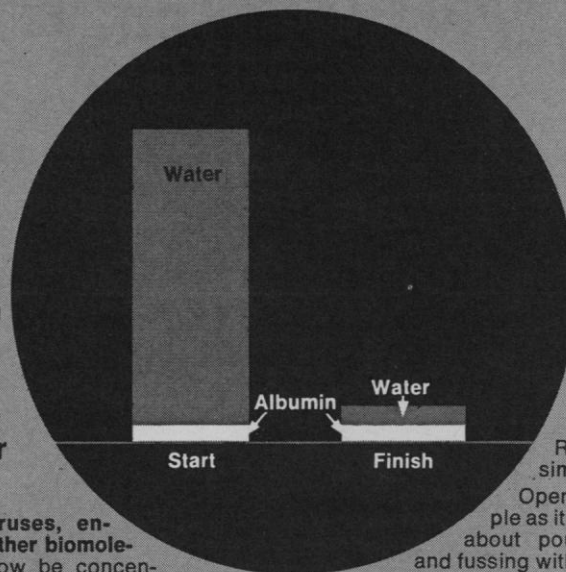
18-21. World Medical Assoc., 26th as-

11 AUGUST 1972

Concentrate!

20-fold concentration in just 100 min. with new Hollow Fiber Devices

Proteins, viruses, enzymes and other biomolecules can now be concentrated (also desalted or fractionated) quickly and easily with Hollow Fiber Devices. Using the latest in



membrane technology, these unique devices are self-contained and compatible with existing lab equipment. Re-use after a simple wash.

Operation is as simple as it is rapid. Forget about pouring columns and fussing with dialysis bags.

A complete starting set-up costs under \$30. For "how to use" literature with prices, contact:

BIO-RAD Laboratories

32nd and Griffin Avenue/Richmond, CA 94804/(415) 234-4130

Circle No. 62 on Readers' Service Card

Electron Microscopists do important work. They shouldn't spend a lot of time getting everything ready to do it.

Our vacuum evaporators give you precision specimen preparation and replication for electron microscopy.

With very little time and effort on your part.

We have both automatic and manual versions. And all the accessories you need for complete vacuum deposition.

Like rotary coaters and shadowers. Filament and boat evaporators. Carbon rods and sharpeners. Instrumentation feed throughs. And

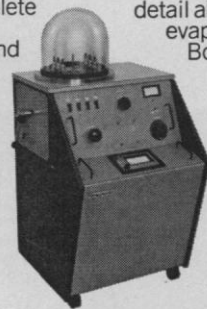
freeze-fracture devices.

They all help you with your important work by doing more of it for you.

We've been making more kinds of vacuum pumping equipment than anyone else for over 64 years.

And we'd like to tell you in detail about our high vacuum evaporators. Just send for Booklet #3102.

Kinney Vacuum Co.,
3529 Washington Street,
Boston, Massachusetts
02130. Tel. (617)
522-7100.

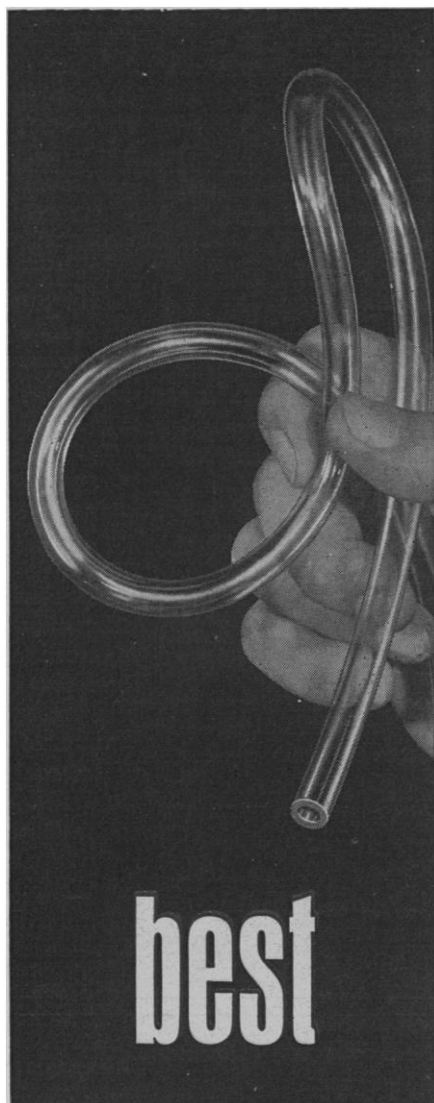


Kinney Vacuum
A UNIT OF GENERAL SIGNAL CORPORATION

We spend a lot of time thinking about our vacuum products. So you won't have to.

Circle No. 61 on Readers' Service Card

545



Day in and day out, the reliability, long life and versatility of Tygon flexible plastic Tubing proves over and over that it's your best laboratory tubing investment.

TYGON® TUBING

**Crystal-clear
Flexible
Chemically inert
Non-oxidizing
74 standard sizes**

At laboratory supply houses everywhere, or write Norton Plastics and Synthetics Division, Akron, Ohio 44309.

NORTON

PLASTICS & SYNTHETICS DIV.
FORMERLY U.S. STONWARE INC.
AKRON, OHIO 44309

Circle No. 60 on Readers' Service Card

546

sembly, Amsterdam, Netherlands. (WMA, 10 Columbus Circle, New York 10019)

18-22. **Chemistry of the Organic Solid State**, 3rd intern. symp., Glasgow, Scotland. (J. N. Sherwood, Dept. of Pure and Applied Chemistry, Univ. of Strathclyde, Thomas Graham Bldg., Cathedral St., Glasgow C1)

18-22. International Union for **Electro-Heat**, 7th intern. congr., Warsaw, Poland. (IUE-H, 25, rue de la Pepiniere 75, Paris 8°, France)

18-22. International Conf. on Applications of New Concepts of **Physical-Chemical Treatment Process Design**, Intern. Assoc. of Water Pollution Research and American Inst. of Chemical Engineers, Nashville, Tenn. (W. W. Eckenfelder, Box 6222, Station B, Vanderbilt Univ., Nashville 37235)

18-29. **Technology Assessment**, NATO Advanced Study Inst., Lake Garda, Italy. (R. A. Carpenter, Environmental Policy Div., Congressional Research Service, Library of Congress, Washington, D.C. 20540)

19-21. Gregory Mendel and **Contemporary Genetics**, conf. on the 150th anniversary of Mendel's birth, Brno, Czechoslovakia. (V. Orel, Mendelianum, Brno)

19-21. **Laboratory Animal in Drug Testing**, Hannover, Germany. (W. Heine, Zentralinstitut für Versuchstierzucht, 3 Hannover-Linden, Lettow-Vorbeck-Allee 57)

20-22. **Automation of Testing**, Staffordshire, England. (Manager, Conf. Dept., Inst. of Electrical Engineers, Savoy Pl., London WCL2R, OBL, England)

20-23. **Percolation through Fissured Rocks**, intern. symp., Stuttgart, Germany. (Deutsche Gesellschaft für Erd- und Grundbau E.V., 43 Essen Kronprinzenstrasse 35a, Deutschland)

20-23. American **Thyroid Assoc.**, Chicago, Ill. (A. B. Hayles, Mayo Clinic, Rochester, Minn. 55901)

20-24. American **Medical Writers Assoc.**, Dallas, Tex. (C. B. Slack, AMWA, 6900 Grove Rd., Thorofare, N.J. 08086)

21-22. **Electronic Prosthetics**, Computer Soc., Control System Soc., Engineering in Medicine and Biology Technical Group of IEEE, Lexington, Ky. (J. S. Jackson, Electrical Engineering Dept., Univ. of Kentucky, Lexington 40506)

21-22. International Soc. for **Experimental Hematology**, Milwaukee, Wis. (M. M. Bortin, Winter Research Lab., Mount Sinai Medical Center, 948 N. 12 St., Milwaukee 53233)

21-23. American Assoc. for **Cancer Education**, Rochester, N.Y. (B. F. Rush, Jr., Martland Hospital, 65 Bergen St., Newark, N.J. 07107)

21-26. International Assoc. of **Forensic Toxicologists**, 6th, Belfast, Ireland. (A. S. Curry, Home Officer Central Research Establishment, Aldermaston, Reading, Berks., England)

21-26. **Forensic Sciences**, intern. conf., Edinburgh, Scotland. (M. Helpert, 520 First Ave., New York 10016)

22-28. American Acad. of **Family Physicians**, New York, N.Y. (M. F. Cahal, AAFP, Volker Blvd. at Brookside, Kansas City, Mo. 64112)

23-25. North American **Mycological Assoc.**, Priest Lake, Ohio. (NAMA, 4245 Redinger Rd., Portsmouth, Ohio 45622)

24-27. National **Environment Information Symp.**, Cincinnati, Ohio. (G. M. Gigliotti, Public Affairs Office, Natl. Environmental Research Center, U.S. Environmental Protection Agency, Cincinnati 45268)

24-28. **Liquefied Natural Gas**, 3rd intern. conf., American Gas Assoc., Washington, D.C. (AGA, 1515 Wilson Blvd., Arlington, Va. 22209)

24-28. American **Oil Chemists' Soc.**, Ottawa, Ont., Canada. (J. Lyon, AOCS, 508 S. 6 St., Champaign, Ill. 61820)

24-29. American Soc. of **Plastic and Reconstructive Surgeons**, Palm Spring, Calif. (D. F. Whaley, ASPRS, 29 E. Madison St., Chicago, Ill. 60602)

24-30. International Soc. of **Cardiology**, 6th congr., Madrid, Spain. (F. V. Diaz, Sagasta 7, Madrid 4, Spain)

24-30. **Zoology**, 17th intern. congr., Monte Carlo, Monaco. (Comité d'Organisation, XVII Congrès International de Zoologie, Musée Océanographique, Monte Carlo)

25-26. **Electro-Optic Systems in Flow Measurement**, Southampton, England. (T. S. Durrani, Dept. of Electronics, Univ. of Southampton, Southampton, Hampshire)

25-27. **Repetitive DNA, Chromosome Defects and Neoplasia**, Minneapolis, Minn. (J. J. Yunis or E. S. Benson, Box 198 Mayo, Univ. of Minnesota Medical School, Minneapolis 55455)

25-28. International Conf. on **Prostaglandins**, Vienna, Austria. (S. Bernhard, Scientific Relations, Schering AG, Nullenstr. 170/172, 1 Berlin 65, Germany)

25-29. American Academy of **Ophthalmology and Otolaryngology**, Dallas, Tex. (C. N. Kos, 15 Second St., SW, Rochester, Minn. 55901)

26-29. American **Roentgen Ray Soc.**, Washington, D.C. (T. F. Leigh, Emory Univ. Clinic, Atlanta, Ga. 30322)

26-30. International Soc. of **Audiology**, 11th intern. congr., Budapest, Hungary. (L. Surjan, Szaboles u. 35, Budapest 8)

27-29. American **Cancer Soc.**, and Natl. Cancer Inst., 7th conf., Los Angeles, Calif. (S. L. Arje, ACS, 219 E. 42 St., New York 10017)

27-29. **Forensic Activation Analysis**, 2nd intern. conf., Glasgow, Scotland. (J. M. A. Lenihan, Dept. of Clinical Physics and Bio-Engineering, Western Regional Hospital Board, 11 W. Graham St., Glasgow C.4)

28-2. International Forum of **Psychoanalysis**, New York, N.Y. (G. Chrzanowski, 20 W. 74 St., New York 10023)

29-30. **Coastal Geomorphology Symp.**, Binghamton, N.Y. (D. R. Coates, Dept. of Geology, State Univ. of New York, Binghamton 13901)

29-30. Wisconsin Acad. of **Sciences, Arts and Letters**, Prairie du Chien. (J. R. Batt, WASAL, 5001 University Ave., Madison 53705)

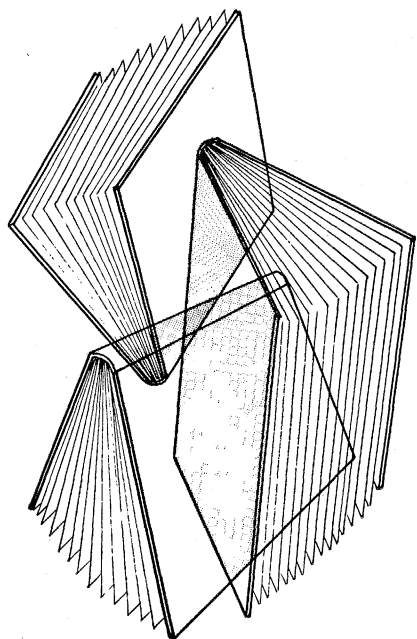
30-4. American Soc. of **Anesthesiologists**, Boston, Mass. (J. W. Andes, 515 Busse Highway, Park Ridge, Ill. 60068)

October

1-4. National **Agricultural Chemical Assoc.**, 39th annual, White Sulphur Springs, W.Va. (D. Hayley, NACA, Madison Bldg., 1155 15th St., NW, Washington, D.C. 20005)

Symposia on—

DENTISTRY



BIOLOGY OF THE MOUTH

A collection of comprehensive, multi-disciplinary articles dealing with problems of the biology of the mouth and of oral diseases and also the borderlands where fundamental approaches and investigations in physics and chemistry relate to, and can be brought to bear on such problems.

Edited by Philip Person. 320 pages. Electron micrographs and other illustrations. Bibliography. Index. Retail price: \$10. ISBN 087168-089-0.

ENVIRONMENTAL VARIABLES IN ORAL DISEASE

Twenty-four distinguished scientists present the findings of their research on the role of environmental factors in oral disease. Geographical and clinical considerations; the oral environment-nutrition and dental caries; experimental considerations in oral soft lesions; prenatally occurring influences.

Edited by S. H. Kreshover and F. J. McClure. 328 pages. Illustrations. Bibliography. Index. Retail price: \$8.75. ISBN 087168-081-5.

MECHANISMS OF HARD TISSUE DESTRUCTION

Forty-nine outstanding scientists in the fields of dentistry, medicine and zoology participate in a multidisciplinary symposium on the destruction of mineralized structures by organisms and physical and chemical agents.

Edited by Reidar F. Sognnaes. 776 pages. 430 illustrations. Bibliography. Indexes. Retail price: \$8.75. ISBN 087168-075-0.

Special price offer

All three volumes: \$24.95

When payment is sent with order: \$21.95

AAAS

AMERICAN ASSOCIATION for the
ADVANCEMENT OF SCIENCE
1515 Massachusetts Avenue, N.W.
Washington, D. C. 20005

1-5. Society of American Foresters, Hot Springs, Ark. (H. R. Glascock, Jr., SAF, 1010 16th St., NW, Washington, D.C. 20036)

1-14. International Assoc. of Theoretical and Applied Limnology, jubilee symp., Plon, West Germany. (W. Ohle, Max-Planck Inst. für Limnologie, Postfach-165, 232 Plon)

2-3. Air Pollution Medical Research Conf., American Medical Assoc., Chicago, Ill. (F. W. Barton, Council on Environmental and Public Health, AMA, 535 N. Dearborn St., Chicago 60610)

2-4. Distribution and Partition of Trace Elements and Origin of Volcanic Rocks, intern. conf., sponsored by American Geophysical Union, Univ. of Rhode Island, Intern. Assoc. of Volcanology and Chemistry of the Earth's Interior, Newport, R.I. (American Geophysical Union, 1707 L St., NW, Washington, D.C. 20036)

2-4. Soil Microcommunities, 2nd conf., Syracuse, N.Y. (D. L. Dindal, Dept. of Forest Zoology, State Univ. College of Forestry, Syracuse 13210)

2-5. American Vacuum Soc., Chicago, Ill. (J. H. Singleton, Westinghouse Research Labs., Beulah Rd., Pittsburgh, Pa. 15235)

2-5. Yeast Protoplasts, 3rd intern. symp., sponsored by Spanish Biochemical Soc., Spanish Biological Soc., and Spanish Research Council, Salamanca. (Secretariat, Third Intern. Symp. on Yeast Protoplasts, Departamento de Microbiología, Facultad de Ciencias, Universidad de Salamanca, Salamanca)

2-6. Modern Trends in Activation Analysis, 4th intern. conf., Sacly, France. (American Nuclear Soc., 244 E. Ogden Ave., Hinsdale, Ill. 60521)

2-6. Environmental Health Aspects of Lead, Commission of the European Communities and U.S. Environmental Protection Agency, Amsterdam, Netherlands. (Secretariat, Direction Protection Sanitaire, Commission des Communautés Européennes, 29, rue Aldringen, Luxembourg)

2-6. International Congr. on Marine Corrosion and Fouling, 3rd, Gaithersburg, Md. (H. C. Burnett, Room B264, Materials Bldg., Natl. Bureau of Standards, Washington, D.C. 20234)

2-6. Remote Sensing of Environment, 8th intern. symp., Ann Arbor, Mich. (Conference Dept., Extension Service, Univ. of Michigan, Ann Arbor 48104)

3-5. Dietary Lipids and Postnatal Development, intern. symp., Milan, Italy. (Miss H. J. Prain, Inst. of Pharmacology and Pharmacognosy, Univ. of Milan, Via A. Del Sarto, 21, 20129 Milan)

3-5. Plastics, Electrical Properties and Applications, Plastics Inst. of America, Rensselaer, N.Y. (R. K. MacCrone, Materials Div., School of Engineering, Rensselaer Polytechnic Inst., Troy, N.Y. 12181)

3-5. USA-Japan Computer Conf., American Federation of Informational Processing Soc. and Information Processing Soc. of Japan, Tokyo, Japan. (R. W. Rector, University Extension, Continuing Education in Engineering and Science, 6115 Mathematical Sciences Bldg., Univ. of California, Los Angeles 90024)

3-6. American Roentgen Ray Soc., Washington, D.C. (T. F. Leigh, Emory Univ. Clinic, Atlanta, Ga. 30322)

3-9. Intern. Soc. of Biometeorology,

6th intern. congr., Stresa, Italy. (S. W. Tromp, Hofbrouckerlaan 54, Cegstgeest, Leiden, Netherlands)

4-6. Food Plants and Their Diets in Relation to Environmental Factors, Intern. Assoc. for Quality Research on Food Plants and German Soc. for Quality Research, Berlin, West Germany. (W. Schuphan, Deutsche Gesellschaft für Qualitätsforschung, Heidelstrasse 9, 6222 Geisenheim/RHG)

4-6. Populations by Microorganisms, New York Acad. of Sciences, New York, N.Y. (W. Likely, NYAS, 2 E. 63 St., New York 11021)

4-6. Thrombosis and the Molecular Biology of the Platelet and Other Interacting Cells, 2nd intern. symp., Chicago, Ill. (R. M. Booyse, Dept. of Biochemistry, Rush Medical College, 1753 W. Congress Pkwy., Chicago 60612)

4-18. Forests and Social-Economic Development, 7th World Forestry Congr., Buenos Aires, Argentina. (M. B. Dickerman, U.S. Natl. Committee, U.S. Dept. of Agriculture, Forest Service, Washington, D.C. 20250)

5-6. The Military and Society, 5th symp., U.S. Air Force Acad., Colo. (R. Fogleman, Dept. of History, USAF Academy 80840)

5-6. Toward a Unified Concept of Biological Waste Treatment Design, Intern. Assoc. on Water Pollution Research, Atlanta, Ga. (F. G. Pohland, Civil Engineering Dept., Georgia Inst. of Technology, Atlanta)

5-7. Culture of Invertebrate Animals, Greenport, N.Y. (W. L. Smith, Dept. of Marine Science and Technology, Suffolk County Community College, Selden, N.Y. 11784)

5-7. National Gaming Council, 11th annual symp., Baltimore, Md. (S. J. Kidder, Center for Social Organization of Schools, Johns Hopkins Univ., 3505 N. Charles St., Baltimore 21218)

5-8. Alcoholism and Addiction, intern. conf., Dun Laoghaire, Ireland. (Mrs. O. Thompson, Irish Natl. Council on Alcoholism, 19/20 Fleet St., Dublin 2, Ireland)

5-8. American Soc. of Bariatrics, Las Vegas, Nev. (W. L. Asher, 3195 S. Broadway, Englewood, Colo. 80110)

6-7. Atmospheric Physics, American Physical Soc., New York State section, Rochester. (F. K. Elder, Jr., Rochester Inst. of Technology, 1 Lamb Memorial Dr., Rochester 14623)

6-7. Endocrinology and Metabolism, 8th Midwest conf., Columbia, Mo. (A. D. Kenny, Space Sciences Research Center, Univ. of Missouri-Columbia, Research Park, Columbia 65201)

8. International Soc. for Developmental Psychobiology, Houston, Tex. (W. A. Himwich, Thudichum Psychiatric Research Lab., Galesburg State Research Hospital, Galesburg, Ill. 61401)

8-11. Society of Research Administrators, 6th annual, Seattle, Wash. (D. V. Baker, Dept. of Pathology, Univ. of Washington, Seattle 98195)

8-13. Chemistry and Physics of Compound Semiconductor Surfaces and Molecular Beam Epitaxy, Electronics Div., Electrochemical Soc., Miami Beach, Fla. (H. R. Huff, Texas Instruments Inc., P.O. Box 5936, M/S 144, Dallas 75222)