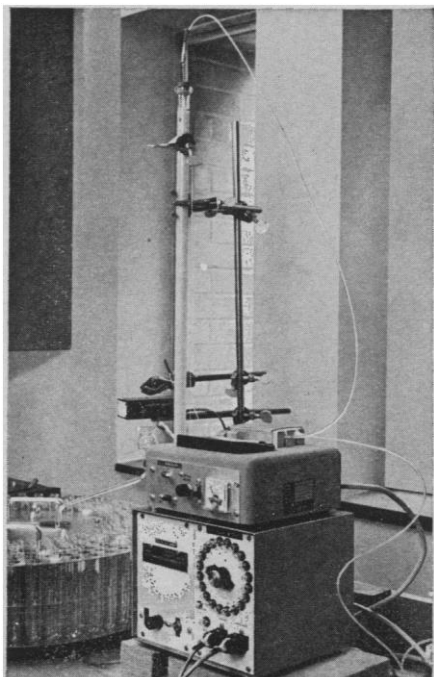


# Accurate Within $\pm 1\%$



## HOLTER™ Precision Roller Pumps

Designed for versatility and accurate flow rates, the Holter RL175 Roller Pump offers virtually non-pulsatile performance and a wide range of flow rates—all in one compact unit.

Flow rates can be varied from .2–2500 cc/hr, with rates adjusted precisely and easily—and maintained within  $\pm 1\%$ . Two separate channels permit pumping of two dissimilar fluids simultaneously, at the same or different flow rates, depending on pumping chamber selection.

Unique design features include: silicone pumping chambers which maintain accuracy and elasticity for their full pumping life of up to 2,000 hours; no fluid flow when pump is turned off; solid state circuitry for reliability. Pump may be operated in refrigerated areas and is gas sterilizable.

Typical uses include:

- ☐ Liquid Chromatography
- ☐ Bio-medical Applications
- ☐ Organ Perfusion
- ☐ Pharmacological Research
- ☐ Precipitation Analysis
- ☐ Solubility Determination
- ☐ Food and Chemical Processing
- ☐ Water Pollution Monitoring

For further information, call or write:

### extracorporeal

Extracorporeal Medical Specialties, Inc.  
Royal & Ross Roads • King of Prussia, Pa. 19406 • 215-337-2400



Circle No. 78 on Readers' Service Card

658

Maya Classic way of life in the southern lowlands. Only a few very minor centers, such as the ones at Lake Peten and Lake Yaxha, date from the Postclassic period, but these are poor indeed compared to those of the Classic. For the most part, the area remained abandoned or drastically depopulated and culturally reduced. In Yucatan some significant new centers did spring up, undoubtedly attracting trade merchants, craftsmen, and peasants; however, the more important centers of the Postclassic period lay outside the Maya lowlands altogether. In effect, the Maya lowlands had been bypassed by the progress of Mesoamerican civilization whose main course was then firmly set by the social and political order of the new type that was propagated from central Mexico (3).

GORDON R. WILLEY

Department of Anthropology,  
Harvard University,  
Cambridge, Massachusetts 02138

DEMITRI B. SHIMKIN

Center for Advanced Study in the  
Behavioral Sciences,  
Stanford, California 94305

#### References and Notes

- For general introductory but authoritative works on Maya archeology the reader may consult J. E. S. Thompson, *The Rise and Fall of Maya Civilization* (Univ. of Oklahoma Press, Norman, ed. 2, 1966) and M. D. Coe, *The Maya* (Praeger, New York, 1966).
- Maya Long Count or Initial Series dates are rendered into the Christian calendar by two principal correlations. The one most generally favored, and used throughout this summary, is known as the 11.16.0.0.0 or Goodman-Martinez-Thompson correlation. The 12.9.0.0.0 or Spinden correlation would place all the dates cited as 260 years earlier.
- Participants of the symposium were T. P. Culbert (University of Arizona, organizer), G. R. Willey (Harvard University, chairman), R. E. W. Adams (University of Minnesota), E. W. Andrews IV (Tulane University), W. R. Bullard, Jr. (Florida State Museum), J. A. Graham (University of California, Berkeley), R. Rands (Southern Illinois University), J. A. Sabloff (Harvard University), W. T. Sanders (Pennsylvania State University), D. B. Shimkin (University of Illinois), and M. Webb (Louisiana State University, New Orleans). A full report on the proceedings, including a series of data papers and a lengthy summary of the discussions, will be published in the near future as a monograph of the School of American Research.

#### Forthcoming Events

##### September

8–10. **Design Automation**, intern. conf., Toronto, Canada. (A. Seireg, Dept. of Mechanical Engineering, Univ. of Wisconsin, Madison 53706)

8–10. **Pharmacology of Antiepileptic Drugs**, Scottsdale, Ariz. (J. K. Penry, Bldg. 36, Room 5D-10, Natl. Inst. of Neurological Diseases and Stroke, Bethesda, Md. 20014)

8–10. **Society of Therapeutic Chemistry**, 8th intern., Lyon, France. (H. Pacheco, Service de Chimie Biologique, INSA 20 Ave. Albert Einstein, 69 Villeurbanne, Lyon)

8–10. **Urban Transportation**, 5th intern., Pittsburgh, Pa. (A. V. Harris, Pittsburgh Urban Transit Council, U.S. Dept. of Transportation, Transportation Research Inst. of Carnegie-Mellon Univ., P.O. Box 2149, Pittsburgh 15230)

8–11. **Drugs Affecting Lipid Metabolism**, 4th intern. symp., Philadelphia, Pa. (W. L. Holmes, Lankenau Hospital, Lancaster and City Line Aves., Philadelphia)

8–11. **International Assoc. of Gerontology**, Bern, Switzerland. (B. Steinmann, Medizinische Abteilung C. L. Laury-Haus, Inselspital Bern, 3008, Bern)

8–12. **National Conf. on Mechanical Vibrations**, 3rd annual, Toronto, Ont., Canada. (P. W. Curwen, Mechanical Tech. Inc., 968 Albany-Shaker Rd., Latham, N.Y. 12110)

8–15. **Illumination**, 17th intern. conf., Barcelona, Spain. (Secretary, Intern. Commission on Illumination, 25 rue de la Pepiniere, Paris 8°, France)

9–10. **Aerospace Mechanisms**, 6th annual symp., Moffett Field, Calif. (G. G. Herzl, ORGN. 52-60, Bldg. 201, Lockheed Missiles and Space Co., 3251 Hanover St., Palo Alto, Calif. 94304)

9–11. **Cardiovascular Soc.**, 10th intern., Moscow, U.S.S.R. (A. D. Callow, 171 Harrison Ave., Boston, Mass. 02111)

9–11. **American Assoc. of Obstetricians and Gynecologists**, Hot Springs, Va. (C. A. Hunter, Jr., Indiana Univ. Medical Center, 1100 W. Michigan St., Indianapolis, Ind. 46202)

9–11. **Parapsychological Assoc.**, 14th, Durham, N.C. (J. G. Pratt, Box 152, University of Virginia School of Medicine, Charlottesville 22901)

9–11. **Photosensitization in Solids**, 3rd intern. conf., Sarlat, Dordogne, France. (J. Bourdon, Centre de Recherches Kodak-Pathe, 30 rue des Vignerons, 94 Vincennes, France)

9–15. **Union of Prehistoric and Protohistoric Sciences**, 8th intern., Belgrade, Yugoslavia. (A. Benac, Archeoloski Inst., Knez Mihajlova 35-11, Belgrade)

10–12. **International Soc. of Hematology**, Milan, Italy. (A. T. Maiolo, Istituto di Patologia Medica, Via Pace 15, 20122 Milan)

10–12. **Pollution and Conservation of the Seventh Continent, Antarctica**, Blacksburg, Va. (B. C. Parker, Dept. of Biology, Virginia Polytechnic Inst. and State University, Blacksburg 24061)

12–15. **Canadian Agricultural Chemicals Assoc.**, 12th annual, Montreal, P.Q., Canada. (J. Chevalier, Suite 1004, 1010 Ste. Catherine St., W., Montreal)

12–15. **Ceramic-Metal Systems Div.**, American Ceramic Soc., St. Louis, Mo. (Secretary, ACS, 4055 N. High St., Columbus, Ohio 43214)

12–16. **American Assoc. of Blood Banks**, Chicago, Ill. (L. J. James, 30 N. Michigan Ave., Chicago 60602)

12–17. **American Chemical Soc.**, 162nd natl. fall mtg., Washington, D.C. (F. T. Wall, ACS, 1155 16th St., NW, Washington, D.C. 20036)

# SEE LIFE.

Dead, stained specimens on slides. Is that what sea life is? Not with Olympus's CK, the inverted microscope with oceanography research capabilities.

It's inverted to let you study living specimens in culture bottles, test tubes (with optional holder) or Petri dishes. Inexpensive phase contrast accessories make "invisible" specimens visible without staining.

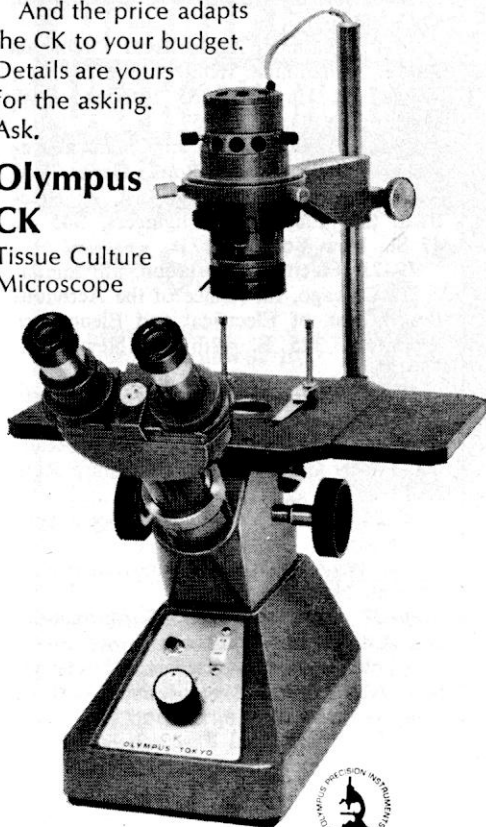
And the CK comes with the same Olympus optics as our laboratory research microscopes (Achromatic 4X, 10X and 20X objectives; comfortable, high-eyepoint, wide-field 10X eyepieces).

Accessories adapt the CK to photography and to polarized-light observations. Options include monocular, binocular and trinocular heads and two mechanical stages.

And the price adapts the CK to your budget. Details are yours for the asking. Ask.

## Olympus CK

Tissue Culture Microscope



OLYMPUS CORPORATION OF AMERICA  
PRECISION INSTRUMENT DIVISION / DEPT. S  
2 Nevada Drive, New Hyde Park, N.Y. 11040

Circle No. 74 on Readers' Service Card

13 AUGUST 1971

12-17. **Gas Dynamics of Explosions and Reactive Systems**, 3rd intern. congr., Marseille, France. (H. van Gelder, Intern. Acad. of Astronautics, 250 rue St. Jacques, Paris, France 19159)

12-18. **International Symp. on Sexology**, Stockholm, Sweden. (Secretary, Swedish Assoc. for Sex Education, Box 17006, 104 62 Stockholm 17)

12-18. **Solid State Physics**, European Physical Soc., Florence, Italy. (A. B. Lidiard, Atomic Energy Research Establishment, Bldg. 89, Harwell, Didcot, Berkshire, England)

13-15. **Petroleum and Chemical Industry Technical Conf.**, Atlanta, Ga. (Secretary, Inst. of Electrical and Electronics Engineers, 345 E. 47 St., New York 10017)

13-15. **Plant Engineering**, intern. conf., Anaheim, Calif. (G. Paula, 796 S. Earlham St., Orange, Calif. 92669)

13-15. **Surface Chemistry of Oxides**, London, England. (Secretary, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London, S.W.1)

13-16. **Institute on Hospital and Community Psychiatry**, Seattle, Wash. (R. L. Robinson, Public Information Officer, 1700 18th St., NW, Washington, D.C. 20009)

13-17. **Coal Workers Pneumoconiosis**, intern. conf., New York, N.Y. (L. R. Neville, New York Acad. of Sciences, 2 E. 63 St., New York 10021)

13-17. **Comparative Leukemia Research**, 5th intern. symp., Padova-Venice, Italy. (R. M. Dutcher, Leukemia Soc. of America, Inc., 211 E. 43 St., New York 10017)

13-17. **World Medical Assoc.**, 25th assembly, Ottawa, Ont., Canada. (A. Z. Romualdez, 10 Columbus Circle, New York 10019)

13-17. **Photoelectric Image Devices**, 5th annual, London, England. (B. L. Morgan, Physics Dept., Imperial College, Prince Consort Rd., London, S.W.7)

13-17. **Institute of Water Pollution Control**, Brighton, Sussex, England. (Secretary, Inst. of Water Pollution Control, 49-55 Victoria St., London S.W.1, England)

13-18. **Biodeterioration**, 2nd intern. symp., Luntern, Netherlands. (Congress Secretariat, Holland Organizing Centre, 16 Lange Voorhout, The Hague, Netherlands)

13-18. **Dynamics of Ionized Gases**, Tokyo, Japan. (Prof. Sato, Inst. of Space and Aeronautical Sciences, Univ. of Tokyo, Komaba, Meguroku, Tokyo)

14-16. **International Conf. on Engineering in the Ocean Environment**, San Diego, Calif. (M. Nelles, Bissett-Berman Corp., 3939 Ruffin Rd., San Diego 92123)

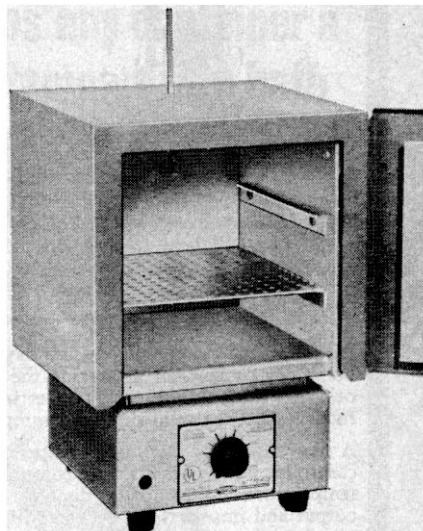
14-16. **Solid State Devices**, 5th annual conf., Lancaster, England. (Secretary, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London, S.W.1, England)

14-17. **International Union for Pure and Applied Biophysics**, Baden near Vienna, Austria. (Mrs. E. Weidenhaus, Wiener Medizinische Akademie, Stadiongasse 6-8, A 1010 Vienna)

14-17. **Radioecology as Applied to the Protection of Man and His Environment**, Rome, Italy. (J. Smeets, Commission of the European Communities, 29, rue Aldringen, Luxembourg, Grand Duchy)

14-20. **American Electroencephalographic Soc.**, Minneapolis, Minn. (P. T. White, Marquette School of Medicine,

## Convert hot plate to light-duty oven ...in seconds



### CONVENIENT UTILITY OVEN —

You can expand the use of your Thermolyne 1900 Hot Plate with this portable oven. Designed to be compatible with the 1900 Hot Plate, the oven has many uses . . . drying, baking, pre-heating or curing.

**FAST HEATING** — 100° C (212°F) is reached in ten minutes . . . 150° C (320° F) is only fifteen minutes. Maximum temperature is 300° C (572° F).

**UNIFORM TEMPERATURE** — At 100° C, any point in the oven chamber is within 3° C of the center. After stabilizing, the variation is less than 2° C.

**CHAMBER SIZE** — 6-1/2" Sq. x 6-1/8" high. Oven has 84 square inch capacity. Shelf supplied lifts out and adjusts to two levels.

Hot Plate Oven

(no thermometer).....\$37.50

Hot Plate Model

HP-A1915-B.....\$35.00

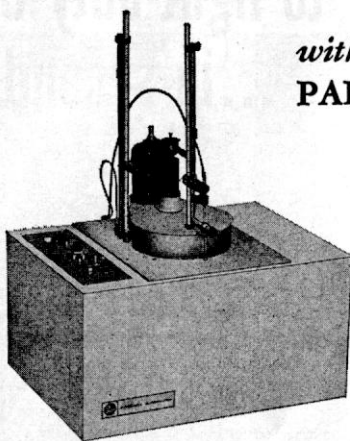
Write today for **FREE** catalog

**THERMOLYNE**  
SYBRON CORPORATION  
2555 KERPER BOULEVARD,  
DUBUQUE, IOWA 52001

Circle No. 70 on Readers' Service Card

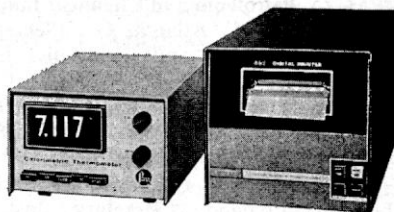
659

## Measure Calories QUICKLY • ACCURATELY • CONVENIENTLY



with a fully automatic  
**PARR® Adiabatic Calorimeter**

... and a PARR®  
**Digital Thermometer**



Parr now offers a completely new oxygen bomb calorimeter for measuring the calorific or Btu value of coal, oil, jet fuels, foods and other solid or liquid samples.

A new solid-state automatic temperature controller eliminates all time consuming temperature adjustments, doubles the output and improves the repeatability in calorimetric tests.

A new Parr Digital Thermometer and Printer add speed, convenience and accuracy to any bomb calorimeter by displaying temperatures in bright, easily seen numbers readable to .001° C, and producing a printed record of all readings taken during a calorific test.

Ask for our latest calorimeter catalog.



### PARR INSTRUMENT COMPANY

211 Fifty-Third St.

Moline, Ill. 61265

Telephone (309) 762-7716

Circle No. 76 on Readers' Service Card

## FRACTO-SCAN™

**Ultraviolet  
Photometer  
for  
Monitoring  
Liquid  
Effluent**

The highly stabilized deuterium light source provides a uniform energy band thus permitting the selection of any wave length in the UV range. Simplicity of operation, automatic base line compensation, four sensitivity ranges and an output linear in optical density are combined in the most stable and advanced UV monitor now available.

The versatile Fracto-Scan can be used with any fraction collector. Write today for complete information.



### BUCHLER INSTRUMENTS DIVISION NUCLEAR-CHICAGO CORP.

A SUBSIDIARY OF G. D. SEARLE & CO.

1327 SIXTEENTH STREET, FORT LEE, NEW JERSEY, 07024

Circle No. 79 on Readers' Service Card

Request Bulletin SC-3-5100A

8700 W. Wisconsin Ave., Milwaukee, Wis.)

15-17. Engineering Inst. of Canada, 85th annual, Quebec City, P.Q. (General Manager, EIC, 2050 Mansfield St., Montreal 110, P.Q., Canada)

15-17. American Fisheries Soc., Salt Lake City, Utah. (R. F. Hutton, AFS, Washington Bldg., Suite 1040, 15th and New York Ave., Washington, D.C. 20005)

15-17. Canadian Informational Processing Soc., Computer Show, Toronto, Ont. (J. Gillies, CIPS, P.O. Box 484, Waterloo, Ont., Canada)

15-18. American Assoc. of Medical Clinics, Cleveland, Ohio. (E. M. Wurzel, AAMC, 719 Prince St., Alexandria, Va. 22313)

15-19. Drug, Chemical and Allied Trades Assoc., Scottsdale, Ariz. (J. D. Madden, Suite 3014, 350 Fifth Ave., New York 10001)

15-19. American Medical Writers Assoc., Chicago, Ill. (W. W. Curtis, AMWA, Suite 417, 420 Lexington Ave., New York 10017)

17-18. Eye Bank Assoc. of America, Las Vegas, Nev. (W. B. Clark, EBAA, 1111 Tulane Ave., New Orleans, La. 70112)

17-18. Federation for Unified Science Education, Moline, Ill. (D. Fentem, Moline Senior High School, 3600 23rd Ave., Moline 61265)

17-18. Scandinavian Neurosurgical Soc., 23rd intern. congr., Lund, Sweden. (N. Lundberg, Neurosurgical Dept., University Hospital, 22005 Lund 5)

17-19. Mid-Continent Psychiatric Assoc., Columbia, Mo. (D. T. Collins, Menninger Foundation, Box 829, Topeka, Kan. 66601)

19-20. American Assoc. of Ophthalmology, Las Vegas, Nev. (L. A. Zupan, AAO, 1100 17th St., NW, Washington, D.C. 20036)

19-22. National Agricultural Chemicals Assoc., 38th annual, White Sulphur Springs, W.Va. (D. Hayley, 1155 15th St., NW, Washington, D.C. 20005)

19-22. American Soc. of Chemical Engineers, joint mtg., with Power Generation, St. Louis, Mo. (Secretary, Inst. of Electrical and Electronics Engineers, 345 E. 47 St., New York 10017)

19-23. Electrical Insulation, 9th annual conf., Chicago, Ill. (Office of the Activities Board, Inst. of Electrical and Electronics Engineers, 345 E. 47th St., New York 10017)

19-24. Biological Efficiency of Protein Production, Reading, England. (J. G. W. Jones, Dept. of Agriculture, Univ. of Reading, Earley Gate, Reading, Berkshire RG6 2AT)

19-26. World Veterinary Assoc., 19th intern. congr., Mexico City, Mexico. (Secretary, WVA, 137 Ave. Van Ostadelaan, Utrecht, Netherlands)

20-22. American Inst. of Aeronautics and Astronautics, joint conf. with Space Simulation, San Francisco, Calif. (Secretary, AIAA, 1290 Ave. of the Americas, New York 10019)

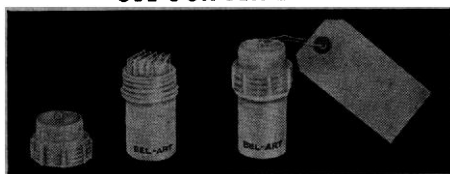
20-22. Operational Research Soc., Lancaster, England. (Mrs M. Kinnaird, ORS, 62-62 Cannon St., London, England)

20-23. Paper Physics, intern. conf., Mont Gabriel, P.Q., Canada. (Mr. Paterson, Canadian Pulp and Paper Assoc., 2300 Sun Life Bldg., Montreal 110, P.Q., Canada)

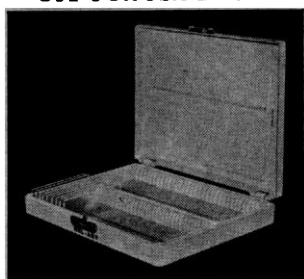
20-24. High Energy Accelerators, intern.

# BEL-ART PLASTIC SLIDE AIDS

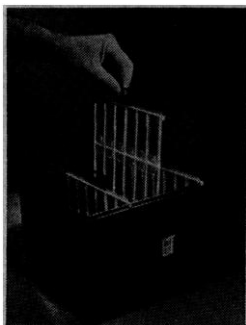
IF YOU WANT TO MAIL SLIDES  
- USE OUR SLIDE MAILER



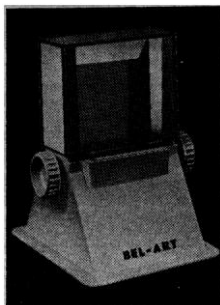
IF YOU WANT TO STORE SLIDES  
- USE OUR SLIDE BOXES



IF YOU WANT TO FILE LARGE  
QUANTITIES OF SLIDES  
- USE OUR MICROFIX SYSTEM



IF YOU WANT TO DISPENSE SLIDES  
- USE OUR SLIDE DISPENSER



At your nearest laboratory supply house.

Send for our NEW catalog supplement.  
For your FREE copy write Dept. E-8.

**BEL-ART PRODUCTS**  
PEQUANNOCK, N. J., 07440

conf., Geneva, Switzerland. (K. Johnson, European Organisation for Nuclear Research, 1211 Geneva 23)

20-24. **Molecular Spectroscopy**, 5th conf., Brighton, England. (C. H. Maynard, Inst. of Petroleum, 61 New Cavendish St., London, S.W.1, England)

20-24. American Acad. of **Ophthalmology and Otolaryngology**, Las Vegas, Nev. (C. M. Kos, 15 Second St., SW, Rochester, Minn. 55901)

20-24. **Physics of Quiescent Plasmas**, intern. conf., Riso, Denmark. (V. O. Jensen Research Establishment, Riso, 4000-Roskilde, Denmark)

20-25. **Astronautical Federation**, 22nd intern., Brussels, Belgium. (P. Contensou, Intern. Astronautical Federation, 250, rue Saint-Jacques, 75 Paris 5<sup>e</sup>, France)

20-25. **Pharmaceutical Sciences**, intern. congr., Prague, Czechoslovakia. (Sekretariat des Internationalen Pharmazie Gesellschaftlichen Kongresses, Prague 2, Sokol-ska 31)

21-23. **Engineering in the Ocean Environment**, intern. conf., San Diego, Calif. (M. Nelles, Bissett-Berman Corp., P.O. Box 1447, San Diego 92112)

21-23. **Infra-Red Techniques**, Reading, England. (Secretary, Institution of Electronic and Radio Engineers, 8-9 Bedford Sq., London, W.C.1B, 3RG, England)

21-23. **Microscopy**, London, England. (S. Graft, McCrone Research Inst., 451 E. 31 St., Chicago, Ill. 60616)

21-23. **Noise in Active Semiconductor Devices**, intern. conf., Toulouse, France. (Secretary, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London S.W.1, England)

21-24. **Lead**, 4th intern. conf., Hamburg, Germany. (Secretary, Lead Development Assoc., 34 Berkeley St., London, W1X 6AJ, England)

21-24. **American Thyroid Assoc.**, Birmingham, Ala. (W. M. McConahey, Mayo Clinic, Rochester, Minn. 55901)

21-27. **Thermodynamics and Electrochemical Kinetics**, 22nd intern., Dubrovnik, Yugoslavia. (H. Tannenberger Inst. Battelle, Centre de Recherche de Geneve, 7 route de Brize, 1227 Carouge-Geneve, Switzerland)

22-23. **High Voltage Electron Microscopy**, Teddington, England. (Secretary, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London S.W.1, England)

22-24. **Computer Conf.**, 5th annual, Boston, Mass. (Secretary, CC, P.O. Box 245, Prudential Station, Boston 02199)

22-24. **Society of Mining Engineers**, Seattle, Wash. (American Inst. of Mining, Metallurgical and Petroleum Engineers, 345 E. 47 St., New York 10017)

22-24. **Nuclear and Particle Physics**, Oxford, England. (W. S. C. Williams, Nuclear Physics Lab., Oxford University, Keble Rd., Oxford OX1 3RH)

22-24. **Signal Processing and Display**, Lancaster, England. (Secretary, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London, S.W.1, England)

22-26. **Alberta Soc. of Petroleum Geologists**, Banff, Canada. (J. R. M. Berry, Canadian Industrial Gas and Oil Ltd., 640 Eighth Ave., SW, Calgary 2, Alberta)

23-25. **Central Assoc. of Obstetricians and Gynecologists**, White Sulphur Springs,

W.Va. (D. G. Decker, CAOG, 200 First St., SW, Rochester, Minn. 55901)

24-26. **Sierra Club Wilderness Conf.**, 12th annual, Washington, D.C. (J. P. Gilligan, 235 Massachusetts Ave., NE, Washington, D.C. 20002)

25-28. **American Roentgen Ray Soc.**, Montreal, P.Q., Canada. (T. F. Leigh, Emory Univ. Clinic, Atlanta, Ga. 30322)

25-2. **Physicists Conf.**, 36th intern., Essen, Germany. (Secretary, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London S.W.1, England)

26. **Thermoanalysis**, Leicester, England. (Secretary, Inst. of Physics and Physical Soc., 47 Belgrave Sq., London, S.W.1, England)

26-27. **Society for Pediatric Radiology**, Boston, Mass. (J. L. Gwinn, Children's Hospital, 4650 Sunset Blvd., Los Angeles, Calif. 90027)

26-30. **Society of American Foresters**, Cleveland, Ohio. (H. R. Glascock, Jr., SAF, 1010 16th St., NW, Washington, D.C. 20036)

26-2. **Contributions of Multivariate Analysis to Psychological Theory**, 3rd annual, Banff, Alberta, Canada. (H. Bradbury, Center for Advanced Study in Theoretical Psychology, Univ. of Alberta, Edmonton 7, Alberta)

27-30. **Fracture Mechanics and Earthquake Source Mechanics**, Aspen, Colo. (R. E. Riecker, Air Force Cambridge Research Labs., Bedford, Mass. 01730)

27-30. **Association of Iron and Steel Engineers**, Chicago, Ill. (Managing Director, AISE, 1010 Empire Bldg., Pittsburgh, Pa., 15222)

27-30. **Underground Distribution**, Detroit, Mich. (B. E. Smith, Virginia Electric and Power Co., P.O. Box 1194, Richmond, Va.)

27-1. **Absorption Spectrometry and Atomic Fluorescence**, 3rd intern. congr., Paris, France. (Secretariat du Troisième CISAFA, Groupement pour l'Avancement des Methodes Spectrographiques, 1, rue Gaston-Boissier, 75-Paris 15<sup>e</sup>)

27-1. **National Aeronautics and Space Engineering and Manufacturing**, Los Angeles, Calif. (W. I. Marble, 2 Pennsylvania Pl., New York 10001)

27-2. **Pneumoconiosis**, 15th intern. conf., Bucharest, Romania. (Secretary, Ministerul Muncii Str. Scaune 1-3, Bucharest)

28-29. **Analysis of Organic Traces in Water**, Essen, Germany. (Secretary, GDC, Postfach 119075, Frankfurt/Main, Germany)

28-1. **Protein and Polypeptide Hormones**, 2nd annual, Liège, Belgium. (M. Margoulies, Inst. de Medecine, Blvd. de la Constitution 66, 4000 Liège)

28-1. **American Roentgen Ray Soc.**, Boston, Mass. (T. F. Leigh, Emory Univ. Clinic, Atlanta, Ga. 30322)

28-1. **Therapeutics**, 11th intern. congr., Barcelona, Spain. (B. Glasson, Colegio Oficial de Medicos de Barcelona y Provincia P. de la Bonanova, 47, Barcelona)

28-1. **Thermal Conductivity**, 11th intern. conf., Albuquerque, N.M. (P. Wagner, CMB13, Los Alamos Scientific Lab., Los Alamos, N.M. 87544)

28-6. **International Council for the Exploration of the Sea**, 59th annual, Helsinki, Finland. (H. Tambs-Lyche, Char-





Step up to new levels  
of enzyme purity

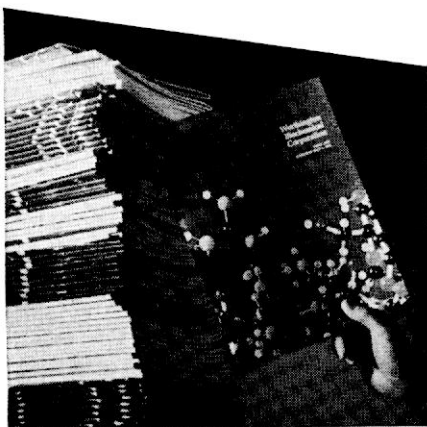
## Get your copy of the new Worthington catalog

Here's the new catalog from Worthington Biochemical Corporation, the house that enzymes built. Listed are hundreds of research enzymes, clinical reagents, nucleotides, and specialty biochemicals along with analytical services of interest to the researcher.

The catalog offers a number of new materials not previously available plus existing products now available in new levels of purity and activity. The new Worthington catalog contains all essential information on product source, activity, purity, assay data, and packaging.

Worthington, pioneer in the extraction of enzymes, is alert to the continuing needs of researchers for new and better biochemicals. It is also a pivotal force in turning the fruits of biochemical research to practical benefit—new materials for use in therapeutics, diagnostics, and other products.

Use the attached coupon to request your personal copy and another one for an associate.



**Worthington Biochemical Corporation**  
Freehold, New Jersey 07728

Please send the following:

—copies of the Worthington catalog.

☐ Product literature on Worthington enzyme reagents for the clinical laboratory.

Name \_\_\_\_\_

Title \_\_\_\_\_

Organization \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Circle No. 80 on Readers' Service Card

lottenlund Slot, 2920 Charlottenlund, Denmark)

30-9. International Standards Organization on **Rubber and Rubber-Like Materials**, 19th plenary meeting, Philadelphia, Pa. (W. H. King, Acushnet Co., New Bedford, Mass. 02742)

### October

1-2. Wisconsin Acad. of **Sciences, Arts and Letters**, Baraboo. (J. R. Batt, 5001 University Ave., Madison, Wis.)

3-6. American **Ceramic Soc.**, Electronics Div., Kiamesha Lake, N.Y. (L. C. Hoffman, E. I. du Pont de Nemours & Co., Inc., Bldg. 336, Experimental Sta., Wilmington, Del. 19898)

3-6. American **Oil Chemists' Soc.**, Atlantic City, N.J. (J. C. Lyon, 508 S. 6 St., Champaign, Ill. 61820)

3-8. **Electrochemical Soc.**, Cleveland, Ohio. (E. G. Enck, ES, P.O. Box 2071, Princeton, N.J. 08540)

3-8. **Water Pollution Control Federation**, 44th annual, San Francisco, Calif. (WPCF, 3900 Wisconsin Ave., Washington, D.C. 20016)

4-6. **Turbulence in Liquids**, Rolla, Mo. (G. K. Patterson, Dept. of Chemical Engineering, Univ. of Missouri, Rolla 65401)

4-7. **Instrument Soc. of America**, 26th annual, Chicago, Ill. (ISA, 530 William Penn Pl., Pittsburgh, Pa. 15219)

4-8. American **Dietetic Assoc.**, 54th annual, Philadelphia, Pa. (R. M. Yakel, 620 N. Michigan Ave., Chicago, Ill. 60611)

5-8. **Optical Soc. of America**, Ottawa, Ont., Canada. (J. W. Quinn, OSA, 2100 Pennsylvania Ave., NW, Washington, D.C. 20036)

5-12. International Bureau of **Weights and Measures**, 14th general assembly, Paris, France. (J. Terrien, Pavillon de Breteuil, 92 Sevres, France)

8-10. Joint Conf. on **Sensing of Environmental Pollutants** (AIAA, ISA, ACS, IEEE, NASA, and NOAA), Palo Alto, Calif. (Instrument Soc. of America, 400 Stanwix St., Pittsburgh, Pa.)

9-10. American College of **Dentists**, Atlantic City, N.J. (R. J. Nelsen, ACD, 7316 Wisconsin Ave., Bethesda, Md. 20014)

10-15. Latin-American **Cancer Congr.**, 5th, Caracas, Venezuela. (CILAC, Aptdo 1126, Caracas)

10-15. American **Chemical Soc.**, intern. rubber conf., Cleveland, Ohio. (Rubber Div., ACS, 1155 16th St., NW, Washington, D.C. 20036)

11-13. **Electron Devices**, Institute of Electrical and Electronics Engineers, Inc., Washington, D.C. (H. D. Toombs, Texas Instruments, Inc., P.O. Box 5012, MS 922, Dallas, Tex. 75222)

11-13. Society for **Industrial and Applied Mathematics**, Madison, Wis. (SIAM, 33 S. 17 St., Philadelphia, Pa. 19103)

11-14. Association of **Official Analytical Chemists**, 85th annual, Washington, D. C. (L. G. Ensminger, AOAC, Box 540, Benjamin Franklin Sta., Washington, D.C. 20044)

11-15. National Bureau of Standards Inst. on **Materials Research**, Boston, Mass. (T. E. Madey, Surface Chemistry Section, Natl. Bureau of Standards, Washington, D.C. 20234)

11-15. American **Public Health Assoc.**, Minneapolis, Minn. (J. R. Kimmey, 1740 Broadway, New York 10019)

11-15. American Assoc. for **Laboratory Animal Science**, New York, N.Y. (J. J. Garvey, AALAS, Central Office, Box 10, Joliet, Ill. 60434)

11-15. American **Vacuum Soc.**, Boston, Mass. (Mrs. D. M. Hoffman, RCA Laboratories, Princeton, N.J. 08540)

12-13. **Industrial Health Foundation**, 36th annual, Pittsburgh, Pa. (R. T. P. deTreville, 5231 Center Ave., Pittsburgh)

12-13. **Methods for Predicting the Future**, Pomona, Calif. (Center for Executive Development, 1044 Concord St., Costa Mesa, Calif. 92626)

12-14. **Luminescence Dosimetry**, 3rd intern. conf., Riso, Denmark. (V. Majdahl, Atomic Energy Research Establishment, Riso)

12-15. Canadian **Chemical Engineering Conf.**, 21st, Montreal, P.Q. (Chemical Inst. of Canada, Suite 906, 151 Slater St., Ottawa 4, Ont.)

12-15. **Neurological Surgeons**, Bal Harbor, Fla. (B. S. Patrick, University Medical Center, 2500 N. State St., Jackson, Miss. 39216)

13-15. **Rare Earth Research**, 9th conf., Blacksburg, Va. (A. F. Clifford, Dept. of Chemistry, Virginia Polytechnic Inst. and State University, Blacksburg 24061)

13-17. **Medical Soc. of the United States and Mexico**, 19th annual, Scottsdale, Ariz. (Mrs. V. E. Bryant, Executive Secretary, 333 W. Thomas Road, Phoenix)

14. **Fibrous Structures in Biomedical Applications**, Fiber Soc., Princeton, N.J. (L. Rebenfeld, P.O. Box 625, Princeton 08540)

15. **Medical Correctional Assoc.**, New York, N.Y. (M. O. Tuchler, 4426 N. 36 St., Phoenix, Ariz. 85018)

16-17. **Groundwater Pollution Conf.**, St. Louis, Mo. (W. Cate, Underwater Research Inst., 3411 Hampton Ave., St. Louis 63139)

16-20. National **Environmental Sanitation and Maintenance Management Conf.**, Los Angeles, Calif. (Inst. of Sanitation Management, 1710 Drew St., Clearwater, Fla. 33515)

16-21. American Acad. of **Pediatrics**, 40th annual, Chicago, Ill. (R. G. Frazier, 1801 Hinman Ave., Evanston Ill. 60201)

17-21. American **Nuclear Soc.**, Miami Beach, Fla. (O. J. Du Temple, ANS, 244 E. Ogden Ave., Hinsdale, Ill. 60521)

17-25. World Congr. on **Fertility and Sterility**, 7th, Tokyo and Kyoto, Japan. (M. Hayashi, Dept. of Obstetrics and Gynecology, Toho Univ., XI-I West 6, Omori, Otaku, Tokyo)

18-20. **Chemistry and Spectroscopy**, 10th Pacific congr., Anaheim, Calif. (sponsored by Society of Applied Spectroscopy and American Chemical Soc.) (A. Abu-Shumays, Cary Instruments, 2724 S. Peck Rd., Monrovia, Calif. 91016)

18-21. **Technology for Productivity**, Detroit, Mich. (R. J. Seman, American Soc. for Metals, Metals Park, Ohio 44073)

18-22. **Microdosimetry**, 2nd symp., Stresa, Italy. (H. G. Ebert, Direction Générale, Centre Commun de Recherche, C.C.E., rue de la Loi, 200, 1040 Bruxelles, Belgique)