

Coors offers 38 standard, cataloged mortar and pestle sets, in five universally accepted styles. The featured item in this line is the Coors Alumina Mortar and Pestle sets. The distinctive shape of the Coors Alumina Mortar and Pestle is possible because of the extremely high mechanical strength of the 96% aluminum oxide used. Because of this unique shape, the mortar can be held more firmly and comfortably. Tough and durable, the Coors high alumina ceramic has the hardness of sapphire. This extreme hardness minimizes surface wear and consequent sample contamination, and makes cleaning easy. The alumina composition is completely dense. An exclusive rubber ring inserted in the base prevents slippage and accidental loss of sample. Write for Bulletin No. 524. Coors Alumina Mortar and Pestles are available through your local laboratory dealer.

THATE CARRY YOUR LARD AT OR Y PORCELAIN COORS U.S.A.

COORS PORCELAIN COMPANY, GOLDEN, COLORADO 1280

Forthcoming Events

March

21-25. Institute of Electrical and Electronics Engineers, intern. conv., New York, N.Y. (IEEE, 345 E. 47 St., New York)

22-23. Biomagnetics, 3rd intern. symp., Univ. of Illinois, Chicago. (M. F. Barnothy, Univ. of Illinois, 833 S. Wood St., Chicago)

22-23. Modern Concepts of Cardiovascular Diseases, conf. and workshop, Reno, Nev. (G. T. Smith, Laboratory of Patho-Physiology, Univ. of Nevada, Reno 89507)

22-24. Measurement and Applications of Neutron Cross Sections, conf., Washington, D.C. (W. W. Havens, Dept. of Physics, Columbia Univ., 538 W. 120 St., New York 10027)

22-31. American Chemical Soc., spring mtg., Pittsburgh, Pa. (ACS, 1155 16th St., NW, Washington, D.C.) 23-25. Institute of Mathematical Sta-

23-25. Institute of Mathematical Statistics, Purdue Univ., Lafayette, Ind. (G. E. Nicholson, Jr., Univ. of North Carolina, Chapel Hill)

23-25. Modern Methods of Weather Forecasting and Analysis. Chicago, Ill. (J. R. Fulks, U.S. Weather Bureau, 5730 S. Woodlawn Ave., Chicago)

24-26. Biomathematics and Computer Science in the Life Sciences, symp., Houston, Tex. (Dean, Div. of Continuing Education, Univ. of Texas Graduate School of Biomedical Sciences, Texas Medical Center, Houston 77025)

24-26. Pediatric and Adolescent Gynecology, conf., New York Acad. of Sciences, New York. (W. R. Lang, Jefferson Medical College of Philadelphia, 1025 Walnut St., Philadelphia, Pa.)

24-26. Pollution and Marine Ecology, conf., Galveston, Tex. (S. M. Ray, Texas A&M Univ. Marine Laboratory, Galveston 77550)

24-27. International Assoc. for **Dental Research**, 44th general mtg., Miami, Fla. (G. H. Rovelstad, U.S. Navy Dental School, Natl. Naval Medical Center, Bethesda, Md. 20014)

25-26. National Assoc. of **Biology Teachers**, western regional conv., Los Angeles, Calif. (The Association, Professional Building, Great Falls, Mont.)

26-2. Stress Analysis, 3rd intern. conf., Berlin, Germany. (H. Kotthaus, Verein Deutscher Ingenieure. Prinz-Georg Str. 77/79, 4 Düsseldorf 10)

26-27. Arizona Chest Disease Symp., Tucson. (E. A. Oppenheimer, P.O. Box 6067, Tucson 85716)

27-30. American Assoc. of **Dental** Schools, Miami Beach, Fla. (R. Sullens, 840 N. Lake Shore Dr., Chicago, Ill.)

28-30. Great Lakes Research, 9th conf., Chicago, Ill. (B. M. McCormac, IIT Research Inst., 10 W. 35 St., Chicago 60616)

28-31. Collegium Intern. Neuro-Psychopharmacologicum, 5th biennial mtg., Washington, D.C. (M. K. Taylor, 3636 16th St., NW, Washington 20010)

29-31. Airborne Infection, 2nd intern. conf., Illinois Inst. of Technology, Chicago. (E. K. Wolfe, U.S. Army Biological Laboratories, Fort Detrick, Frederick, Md.)

29-31. Applied Meteorology. 6th natl. conf., Los Angeles, Calif. (B. N. Charles,





... is the product of many years of "clean thoughts" by one of the nation's outstanding group of laboratory equipment engineers. The results are the last word in automated glassware washing-drying convenience and economy!

Only CRC Labwasher® provides automatic programing . . . a choice of distilled or tap water on each of three rinses . . . drying cycle span selection! There's a model to exactly suit your needs. Write today!

Request Bulletin No. 213

A - 5318

CHEMICAL RUBBER

THE

2310 Superior Ave. Cleveland, Ohio 44114

Booz-Allen Applied Research, 6151 W. Century Blvd., Los Angeles 90045)

29-31. Chemical Soc., anniversary mtgs., Oxford, England. (General Secretary, Burlington House, London W.1)

29-31. Surface-Active Substances, intern. conf., Berlin, East Germany. (Inst. für Fettchemie, Deutsche Akademie der Wissenschaften zu Berlin, Rudower Chaussee 5, 1199 Berlin-Adlershof)

29-31. Symbolic and Algebraic Manipulation, symp., Assoc. for Computing Machinery, Washington, D.C. (J. E. Sammet, I.B.M. Corp., 545 Technology Sq., Cambridge, Mass. 02139)

29-1. American Assoc. for Contamination Control, 5th annual technical mtg., Houston, Tex. (W. T. Maloney, The Association, 6 Beacon St., Boston, Mass.) 29-1. Ultraviolet and X-ray Spectroscopy of Laboratory and Astrophysical Plasma, conf., Abingdon, England. (Inst. of Physics and the Physics Soc., 47 Belgrave Sq., London, S.W.1, England)

30. Oral Cancer, 4th symp., St. Francis Hospital, Poughkeepsie, N.Y. (M. A. Engelman, 1 E. Academy St., Wappingers Falls, N.Y.)

30-1. Magnetohydrodynamics, 7th symp., Princeton, N.J. (R. G. Jahn, Guggenheim Laboratories, Forrestal Research Center, Princeton, N.J. 08540)

31-2. Michigan Acad. of Science, Arts, and Letters, Wayne State Univ., Detroit. (E. A. Wunsch, Dept. of English, Univ. of Michigan, Ann Arbor)

April

1-2. Alabama Acad. of Science, Birmingham-Southern College, Birmingham. (W. B. DeVall, Dept. of Forestry, Auburn Univ., Auburn, Ala.)

1-2. Arkansas Acad. of Science, Little Rock. (G. E. Templeton, Univ. of Arkansas, Fayetteville)

1-5. National Science Teachers Assoc., New York, N.Y. (R. H. Carleton, 1201 16th St., NW, Washington, D.C. 20036)

1-7. American Acad. of General Practice, Boston, Mass. (M. F. Cahal, Volker Blvd. at Brookside, Kansas City 12, Mo.)

4-6. Atomic Energy Soc. of Japan, annual mtg., Tokyo. (M. Masamoto, Japan Atomic Energy Research Inst., 1-1, Shibatamura-cho, Minato-ku, Tokyo)

4-6. Exobiology, conf., Ames Research Center, Moffett Field, Calif. (Letters and Science Extension, Univ. of California, Berkeley 94720)

4-6. American Assoc. of **Physical Anthropologists**, Berkeley, Calif. (F. E. Johnston, Dept. of Anthropology, Univ. of Pennsylvania, Philadelphia 19104)

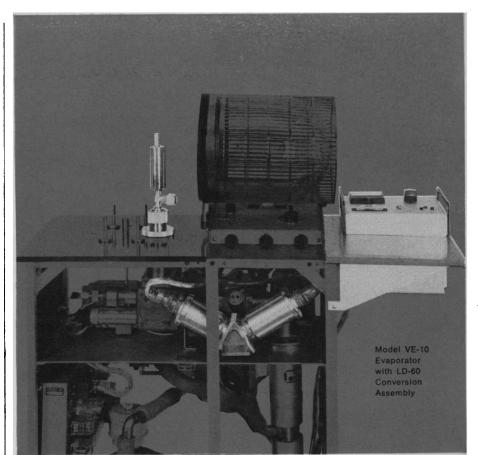
4-6. **Biomedical Communication**, conf., New York, N.Y. (J. Lieberman, Public Health Service Audiovisual Facility, Atlanta, Ga. 30333)

4-7. Federation of European **Biochem**ical Soc., 3rd mtg., Warsaw, Poland. (T. Klopotowski, Polish Biochemical Soc., Freta 16, Warsaw)

4-7. Advances in Water Quality Improvement, conf., Univ. of Texas, Austin. (Special Lecture Series, Engineering Laboratories Bldg. 305, Univ. of Texas, Austin)

4-8. International **Biological Program**, 2nd general assembly, Paris, France. (F. W. G. Baker, 2 via Sebenico, Rome, Italy)

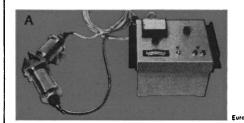
11 MARCH 1966



dual-use evaporator-leak detector for electron microscopists

Electron microscopists and other present and future owners of our Model VE-10, PS-10 vacuum systems can now enjoy at relatively low cost the many advantages of having a high sensitivity mass spectrometer type helium leak detector immediately available to them as an integral part of their own vacuum evaporator.

We've taken the basic, low-cost, portable leak detector system (See A below) from our modular-designed LD-100 and adapted it for installation in the VE-10 or PS-10. The result -a unique, dual-use instrument that in minutes can be used interchangeably on either leak detection or evaporation applications. With pressureprogrammed, completely-automatic valving and 5-minute pumpdown to 5 x 10-5 Torr as an evaporator. With 10-10 atm-cc/second sensitivity as a leak detector-plus a versatile, portable electronics module to monitor leak rates visually or audibly up to



eight feet away from the system proper. Once installed, both the analyzing tube and the portable electronics module can be left permanently connected to the system and do not in any way interfere with normal evaporation activities.

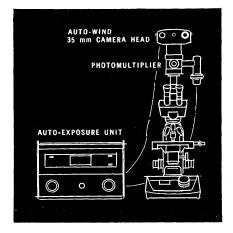
If you now own a VE-10 or PS-10, the cost is less than half the price of a conventional leak detector with comparable specifications and roughing capabilities. If you are planning to replace a worn-out, obsolescent vacuum evaporator or leak detector, you can buy a brand-new, automatically-controlled VE-10 complete with LD-60 conversion assembly for about the cost of a leak detector alone—even less if you choose a switch-operated PS-10.

Interested? For complete information, contact your nearest Varian Sales office or send for descriptive literature.



13645 n.w. science park drive, portland, oregon Europe: Varian S.p.A. Turin. Italy Canada: Varian Associates. Georgetown. Ontario VIGKERS Excellence... in

Auto-Exposure Micro-Cameras



is exemplified by the wide choice of instantly interchangeable film systems available, an exclusive feature of the Vickers design. Now you can get fast, perfect, uniform exposures in your choice of photographic format and film type — 35 mm, Polaroid[®], 3¼ x 4¼ plates and film. ▼ The Polaroid[®] Land color and black-and-white film processes fill a growing need for instantly available photomicrographs of good quality. You can use either the popular Polaroid[®] roll film back

(with choice of seven different film types) or the quick-loading, light-weight film pack back. Electromagnetic shutters are built into the adaptors for these camera backs and are linked to a fully integrating autoexposure control. Just dial in film speed, set ranging switch, press "Expose" button and you have a perfect, uniform exposure sequence. ▼ For many requirements of scientific photography you may prefer the 35 mm format because of the suitability of the 35 mm system, where a great number of photomicrographs are required and because of the wide variety of black-and-white and color film types and speeds available. Vickers offers you two types of 35 mm backs - the auto-wind back, which automatically advances the film after comple-



These 35 mm camera ible with the Vickers autofixed length $3\frac{1}{4} \times 4\frac{1}{4}$ or plates) which can be der. \checkmark All five camera stantly interchangeable controls are calibrated to difference in film sizes

Polaroid(R) by Polaroid Corp.

involved. The Vickers Auto-Exposure Micro-Cameras can be used with any of your microscopes to give you superb photographic results — quickly — easily — and in the widest available variety of film formats and types.



Member of the Vickers Group



4-10. **Psychology**, 10th inter-American congr., Lima, Peru. (Intern. Soc. of Psychology, 2104 Meadowbrook Dr., Austin, Tex.)

5-7. Middle East Neurosurgical Soc., mtg., Jerusalem, Jordan. (F. S. Haddad, Orient Hospital, Beirut, Lebanon)

5-8. American Assoc. of Anatomists, San Francisco, Calif. (R. T. Woodburne, Dept. of Anatomy, Univ. of Michigan, Ann Arbor 48104)

6-7. **Phlebology**, 6th intern. mtg., Aixen-Provence, France. (F. Beurier, 94, cours Sextius, Aix-en-Provence)

6-8. Electron and Laser Beam Technology, Univ. of Michigan, Ann Arbor. (G. I. Haddad, Electrical Engineering Dept., Univ. of Michigan, Ann Arbor)

6-8. Recent Advances in **Phytochemistry**, intern. symp., Univ., of Texas, Austin. (T. J. Mabry, Dept. of Botany, Univ. of Texas, Austin 78712)

6-8. **Plant Phenolic** Group of North America, 6th annual mtg., Austin, Tex. (V. C. Runeckles, Imperial Tobacco Co., Montreal, P.Q., Canada)

7-8. **Histochemical** Soc., 17th annual mtg., Atlantic City, N.J. (J. Y. Terner, College of Physicians and Surgeons, Columbia Univ., New York, N.Y. 10032)

7-8. Southern **Sociological** Soc., annual mtg., New Orleans, La. (J. J. Honigmann, Dept. of Anthropology, Univ. of North Carolina, Chapel Hill)

7-9. Southern Soc. for **Philosophy and Psychology**, New Orleans, La. (G. R. Hawkes, U.S. Army Medical R&D Command, Washington, D.C. 20315) *8-9.* American Soc. for **Artificial In**-

8–9. American Soc. for Artificial Internal Organs, Atlantic City, N.J. (B. K. Kusserow, Dept. of Pathology, Univ. of Vermont College of Medicine, Burlington)

8-11. Animal Toxins, intern. symp., Atlantic City, N.J. (F. E. Russell, Box 323, Los Angeles County General Hospital, 1200 N. State St., Los Angeles, Calif. 90033)

9. Paleontological Research Inst., semiannual mtg., Ithaca, N.Y. (The Institution, 109 Dearborn Pl., Ithaca, N.Y. 14850)

11-13. Institute of Electrical and Electronics Engineers, Region 3, conv., Atlanta, Ga. (M. D. Price, Dept. 72-14, Zone 400, Lockheed-Georgia Co., Marietta, Ga.)

11–13. Comparative **Hemoglobin** Structure, intern. symp., Salonika, Greece. (Secretary, P.O. Box 201, Salonika)

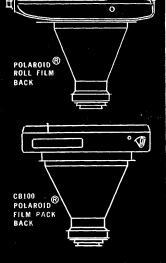
11-15. Aeronomic Studies of Lower Ionosphere, conf., Ottawa, Ont., Canada. (W. Pfister, Air Force Cambridge Research Laboratories, Upper Atmosphere Physics Laboratory, L. G. Hanscom Field, Bedford, Mass.)

11-15. American Assoc. of **Cereal Chemists**, New York, N.Y. (R. J. Tarleton, The Association, 1955 University Ave., St. Paul, Minn. 55104)

11-16. Federation of American Societies for Experimental Biology, 50th annual mtg., Atlantic City, N.J. The following societies will' meet in conjunction with the FASEB; information may be obtained from FASEB, 9650 Rockville Pike, Bethesda, Maryland 20014:

American Physiological Society

American Soc. of Biological Chemists American Soc. for Pharmacology and Experimental Therapeutics

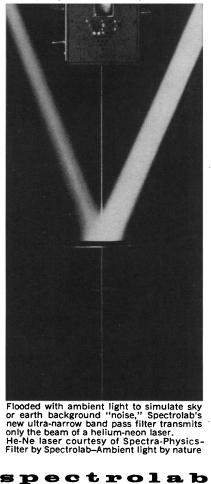




Spectacular improvements in signalto-noise ratios, critical to the success of laser ranging systems, have been achieved with Spectrolab's new optical filters. Similar filters also have been used with great success recently in solar photographic systems, where spectral discrimination is equally important.

Typical ultra-narrow filters show peak transmissions higher than 50%*, with half-peak bandwidths of ¾ to 1¼ Angstroms. Sidebands within 30 to 40Å of peak are attenuated to less than 0.001% T. Spectrolab can also supply, often from stock, other filters with halfpeak bandwidths of 10 to 100Å, with comparable transmission and sideband rejection characteristics.

*Includes short and long wavelength blocking outside pass band for sensitivity envelope of photocathode for photographic emulsion response.



A Division of Textron Electronics, Inc. AN EQUAL OPPORTUNITY EMPLOYER 12484 Gladstone Ave. / Sylmar, Calif. (213) 365-4623 / TWX: 213-764-5923

11 MARCH 1966

American Soc. for Experimental Pathology

American Inst. of Nutrition

American Assoc. of Immunologists 12-13. Frontiers in Food Research, symp., Cornell Univ., Ithaca, N.Y. (W. F. Shipe, Dept. of Dairy and Food Science, Cornell Univ., Ithaca)

12-14. Generalized Networks, intern. symp., New York, N.Y. (H. J. Carlin, Polytechnic Inst. of Brooklyn, 333 Jay St., Brooklyn, N.Y. 11201)

12-14. Remote Sensing of Environment, 4th symp., Univ. of Michigan, Ann Arbor. (Extension Service, Conference Dept., Univ. of Michigan, Ann Arbor 48104)

12-15. Quantum Electronics, intern. conf., Phoenix, Ariz. (J. P. Gordon, Bell Telephone Laboratories, Murray Hill, N.J.)

12-16. Society for Applied Mathematics and Mechanics, annual scientific mtg., Darmstadt, Germany. (F. Reutter, Gesellschaft für Angewandte Mathematik und Mechanik, Templergraben 55, 51, Aachen, Germany)

12–29. Soil Conservation, 1st Pan American congr., São Paulo, Brazil. (J. Abramides Neto, avda. Francisco Matarazzo 455, Caixa Postal 8366, São Paulo)

13-15. Institute of Environmental Sciences, 12th annual tech. mtg. and equipment exp., San Diego, Calif. (The Institute, 34 S. Main St., Mount Prospect, III.) 13-16. Geological Soc. of America,

13-16. Geological Soc. of America, southeast section, Univ. of Georgia, Athens. (L. D. Ramspott, Dept. of Geology, Univ. of Georgia, Athens 30601)

13-16. American Orthopsychiatric Assoc., 43rd annual mtg., San Francisco, Calif. (M. F. Langer, The Association, 1790 Broadway, New York 10019)

13-16. National Soc. for **Programmed** Instruction, natl. conv., St. Louis, Mo. (M. Arky, 714 Kingsland, University City, Mo. 63130)

13-16. American Radium Soc., annual mtg., Phoenix, Ariz. (J. L. Pool, Memorial Soc., 444 E. 68 St., New York 10021)

13-16. National Council of **Teachers of Mathematics**, 44th annual mtg., New York, N.Y. (J. D. Gates, 1201 16th St., NW, Washington, D.C. 20036)

14-15. British **Biophysical** Soc., spring mtg., Oxford, England. (D. Noble, Balliol College, Oxford)

14-15. Molecular Interactions and the Crystallography of Ceramics, Univ. of Nottingham, Nottingham, England. (S. C. Wallwork, Dept. of Chemistry, Univ. of Nottingham, University Park, Nottingham)

14-16. Association of Southeastern **Biologists**, Raleigh, N.C. (M. Y. Menzel, Dept. of Biological Sciences, Florida State Univ., Tallahassee)

14-16. American Cleft Palate Assoc., Mexico City, Mexico. (C. G. Wells, Parker Hall, Univ. of Missouri, Columbia)

14-16. Eastern **Psychological** Assoc., New York, N.Y. (M. A. Iverson, Queens College, Flushing, N.Y. 11367)

14-17. American Assoc. of Endodontists 23rd annual mtg., San Francisco, Calif. (J. F. Bucher, 6828 Winterberry Lane, Bethesda, Md. 20034)

14-19. American **Dermatological** Assoc., Hot Springs, Va. (R. R. Kierland, Mayo Clinic, Rochester, Minn.)

INEXPENSIVE Disposable Glass

Pasteur-Capillary-Non-Volumetrie

PIPETTES

Convenient, disposable, inexpensive pipettes conform to rigid specifications in design and style. They are ideal for use in virology, immunalogy, hematology, blood bank procedures . . . wherever a non-volumetric transfer pipette is required.

FEATURES:

- Available with or without constriction
- Constriction allows fast cotton plugging
- Two standard lengths 5¾" or 9"
- Custom lengths and diameters available
- Heavy weight glass
- Calibrations of 1c.c. and 2c.c. available

Sold and Stocked Exclusively Through Recognized Laboratory Supply Dealers



Manufactured by FORMA SCIENTIFIC, INC. • BOX 649

MARIETTA, OHIO 45750

Please send free samples and nearest dealers name to:

Name	Position		
Company or	Laboratory		
Address	****		
Cite	Ctata	71P Codo	

14-20. Geodetical Measuring Technique and Instruments, conf., Budapest, Hungary. (F. Raum, Preparatory Committee of the Conference, Technika Haza, Szabadsag ter 17, Budapest 5)

15-16. Iowa Acad. of Science, Pella. (G. W. Peglar, Dept. of Mathematics, Iowa State Univ., Ames)

15-16. Montana Acad. of Sciences, Missoula. (L. H. Harvey, Univ. of Montana, Missoula 59801)

15-17. American Soc. of Internal Medicine, New York, N.Y. (A. O. Whitehall, 3410 Geary Blvd., San Francisco, Calif. 95118)

16-18. Lateral Line Detectors, intern. conf., New York, N.Y. (P. H. Cahn, Stern College, Yeshiva Univ., 253 Lexington Ave., New York 10016) 17-20. Electron and Ion Beam Science

17-20. Electron and Ion Beam Science and Technology, 2nd intern. conf., American Inst. of Mining, Metallurgical, and Petroleum Engineers, New York, N.Y. (H. N. Appleton, 345 E. 47 St., New York 10017)

18-19. American Otological Soc., San Juan, P.R. (W. H. Bradley, 1100 E. Genessee St., Syracuse, N.Y.)

essee St., Syracuse, N.Y.) 18-20. Thermodynamics of Ceramic Systems, mtg., London, England. (J. P. Roberts, British Ceramics Soc., Houldsworth School of Applied Science, Univ. of Leeds, Leeds 2, England)

18-20. Technical Microbiology, symp., Berlin, Germany. (S. Windisch, Inst. für Gärungsgewerbe, Seestrasse, 13, 1 Berlin 65)

18-20. Structures and Materials, 7th conf., Cocoa Beach, Fla. (R. W. Leonard, NASA-Langley Research Center, Mail Stop 188C, Langley Station, Hampton, Va. 23365)

18-21. Aerospace Medical Assoc., 37th annual scientific mtg., Las Vegas, Nev. (C. A. Berry, Chief of Center Medical Programs, NASA-Manned Spacecraft Center, Houston, Tex. 77058) 18-21. International Scientific Radio

18-21. International Scientific Radio Union, U.S. natl. committee, mtg., Washington, D.C. (USNC-URSI, 2101 Constitution Ave, NW, Washington, D.C.)

18-21. Tectonic Levels in the Earth's Crust, intern. symp., Neuchatel, Switzerland. (J.-P. Schaer, Dept. of Geology, University, 11 rue Emile Argand, 200 Neuchatel)

18–22. American Assoc. of Corrosion Engineers, 22nd annual mtg., Miami Beach, Fla. (N. E. Hamner, The Association, 980 M&M Bldg., Houston, Tex.)

18-22. Applications of Liquid Fuels, conf., Torquay, England. (Inst. of Fuel, 18 Devonshire St., Portland Pl., London, W.1, England)

18-22. American College of **Physicians**, New York, N.Y. (E. C. Rosenow, Jr., 4200 Pine St., Philadelphia 4, Pa.)

19-22. American **Geophysical** Union, 47th annual mtg., Washington, D.C. (W. E. Smith, AGU, 1145 19th St., NW, Washington, 20036)

18-23. International Soc. for Photogrammetry, technical commissions, Munich, Germany. (G. Krauss, Deutsche Gesellschaft für Photogrammetrie, Waasemstr. 19-21, Bad Godesberg, Germany)

19-21. Frequency Control, 20th annual symp., U.S. Army Electronics Command, Atlantic City, N.J. [Director, Electronics

BATTERY POWERED, OPERATES 1500 VOLTS OFF-GROUND ELECTROMETER



MODEL 601

- 1 mv f.s. to 10v, with 10¹⁴ Ω input resistance
- 10⁻¹⁴ amp. f.s. to 0.3 amp.
- 100 ohms f.s. to 10¹³ ohms
- 10⁻¹² coulomb to 10⁻⁶ coulomb
- 200 µv/hr. zero stability
- 1,000-hour battery life even when recording
- \$595 with input leads

Everything about this handy portable is new ... except the name electrometer! Its 3-terminal input allows complete low terminal isolation, full high terminal guarding, from the case. It also permits 1500 volt off-ground capability—a feature offered only by the 601. Extra flexibility is provided by 73 ranges for measuring voltage, current, resistance, charge and three outputs, highlighted by a 0.005% accuracy unity-gain amplifier. En And perhaps best ... now measure continuously for 1000 hours while using a 1 ma recorder! Makes recharging interruptions during long-term experiments unnecessary. En These are only a few reasons why the carry-around 601 electrometer is outstandingly new. More are detailed in our free Engineering Note. Send for it today!



KEITHLEY INSTRUMENTS

12415 Euclid Ave. • Cleveland, Ohio 44106 EUROPE: 14th Ave. Villardin, 1009 Pully, Suisse



Components Laboratory, U.S. Army Electronics Command, Attn: AMSEL-KT-ST (M. F. Timm), Fort Monmouth, N.J. 07703]

19-22. Microwave Communications, 3rd colloquium, Budapest, Hungary. (Valko Peterne, Szabadsag ter 17, Budapest) 19-23. Scientific and Technical Books

19-23. Scientific and Technical Books and Journals, 2nd intern. exhibition, Paris, France. (F. Retailliau, Intern. Exhibition of Scientific and Technical Books and Journals, 117 Blvd. St. Germain, Paris 6)

20-22. Institute of Electrical and Electronics Engineers, southwestern conf., Dallas, Tex. (R. Carrel, Collins Radio Co., Dallas 75207)

20-22. American Laryngological, Rhinological, and Otological Assoc., San Juan, P.R. (V. R. Alfaro, 917 20th St., NW, Washington, D.C. 20006)

20-22. Magnetics, 4th intern. conf. (INTERMAG), Stuttgart, Germany. (E. W. Pugh, I.B.M. Corp., 1000 Westchester Ave., White Plains, N.Y.) 20-23. Application of Physicochemical

20-23. Application of **Physicochemical Methods in Chemical Analysis**, conf., Budapest, Hungary. (M. K. Egyesülete, Szabadsag ter 17, Budapest 5)

20-23. Solar Energy Soc., 2nd annual mtg., Boston, Mass. (F. Edlin, The Society, Arizona State Univ., Tempe 85281)

27-22. Space Navigation, natl. mtg., Boston, Mass. (E. S. Keats, Westinghouse Electric Corp., Box 1897, Baltimore, Md. 21203)

21-23. Ohio Acad. of Science, 75th annual mtg., Columbus. (J. H. Melvin, 505 King Ave., Columbus 43201)

27-23. Southwestern **Psychological** Assoc., 13th annual conv., Arlington, Tex. (C. Cleland, 2104 Meadowbrook Dr., Austin, Tex.)

21-23. West Virginia Acad. of Science, Institute (J. B. Hickman, West Virginia Univ., Morgantown 26506)

22. Computer Aided Basic Research, symp., Hoboken, N.J. (I. Flores, Electrical Engineering Dept., Stevens Inst., Hoboken 07030)

22. Illinois Acad. of Science, Illinois State Univ., Normal. (N. D. Levine, Univ. of Illinois, Urbana)

22-23. National Council of Teachers of Mathematics, Greeley, Colo. (J. D. Gates, 1201 16th St., NW, Washington, D.C. 20036)

23-24. American Laryngological Assoc., San Juan, P.R. (L. Richards, 12 Clovelly Rd., Wellesley Hills, Mass.)

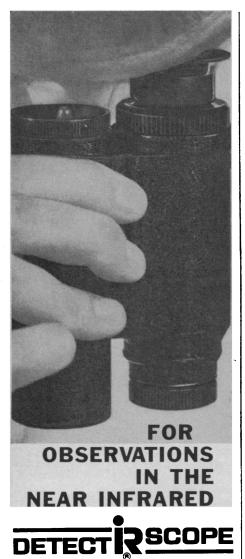
24-26. American Assoc. of Colleges of Pharmacy, Dallas, Tex. (C. W. Bliven, 1507 M St., NW, Washington, D.C. 20005)

24–27. American Soc. of Abdominal Surgeons, Chicago, Ill. (B. F. Alfano, 663 Main St., Melrose 76, Mass.)

24-27. American Oil Chemists' Soc., Los Angeles, Calif. (C. H. Hauber, The Society, 35 E. Wacker Dr., Chicago, Ill. 60601)

24-28. Infectious Pathology, 4th intern. congr., Stuttgart, Germany. (G. Hoffman, Hugstetterstr. 55, 78 Frieburg im Briesgau, Germany)

24-29. American College of Allergists, 22nd annual congr., Chicago, Ill. (J. D. Gillespie, 2141 14th St., Boulder, Colo.) 24-29. American Soc. of Hospital Pharmacists, annual mtg., Dallas, Tex. (J.



The DETECTIRSCOPE® provides convenient direct viewing from 4,000 to 13,000 Å (peak response at 8,500 Å). Wherever near infrared penetrates — many organic materials, textile dyes, histological stains, crystals, chitinous materials and corneal opacities the DETECTIRSCOPE® may reveal detail not otherwise observable. Useful for observation of near infrared phenomena — reflectance, transmission, absorption, luminescence and lasers — and wherever operations must be carried out in total darkness.

VIEWER

Standard tube resolution is 25 line-pairs/ mm. Power supply is built in. An IR illuminator that may be attached directly to the viewer is also available.

Write for your copy of Varo's new reports on near infrared applications. Reports available on Near Infrared in Electronics; Medicine; Biology; Fine Arts; Criminology; Mineralogy and Crystallography; and Miscellaneous Applications of Near Infrared. Specify reports desired.



INFRARED

VARO INC

ELECTRONIC PRODUCTS DIVISION 2201 WALNUT ST., GARLAND, TEXAS 75041 (AREA CODE 214) 276-6141 A. Oddis, 2215 Constitution Ave., NW, Washington, D.C. 20037)

24–29. American Pharmaceutical Assoc., Dallas, Tex. (W. S. Apple, 2215 Constitution Ave., NW, Washington, D.C. 20037)

25–27. Antidepressant Drugs, symp., Milan, Italy. (S. Garattini, Inst. di Richerche Farmacologiche "Mario Negri," Via Eritrea, 62, Milan)

25-27. National Acad. of Sciences, 103rd annual mtg., Washington, D.C. (Home Secretary, NAS, 2101 Constitution Ave., NW, Washington, D.C. 20418)

25-27. American Acad. of **Pediatrics**, Montreal, P.Q., Canada. (E. H. Christopherson, 1801 Hinman Ave., Evanston, Ill. 60204)

25-27. Academy of **Religion and Men**tal Health, annual mtg., Chicago, III. (G. C. Anderson, 16 E. 34 St., New York, N.Y.)

25-28. Society of Economic Paleontologists and Mineralogists, St. Louis, Mo. (R. Tener, The Society, Box 979, Tulsa, Okla. 74101)

25-28. American Assoc. of **Petroleum** Geologists, St. Louis, Mo. (N. C. Smith, Box 979, Tulsa, Okla.)

25-28. Improving Effectiveness in **Research and Development Administration**, 11th annual inst., American Univ., Washington, D.C. (P. W. Howerton, Center for Technology and Administration, American Univ., 2000. G St., NW, Washington, D.C. 20006) 25-29. **Radioecological Concentration**

25-29. Radioecological Concentration Processes, intern. symp., Stockholm, Sweden. (Inst. of Radiophysics, Stockholm 60) 25-30. American Acad. of Neurology,

Philadelphia, Pa. (T. D. Swedien, 7100 France Ave., Minneapolis, Minn.) 25-7. **Psychotherapy** 16th Lindauer

25-7. **Psychotherapy**, 16th Lindauer week, Lindauer, Germany. (H. Stolze, Adalbert-Stifterstr. 31, 8 München 27, Germany)

26. National Cystic Fibrosis Research Foundation, Atlantic City, N.J. (The Foundation, Medical Dept., 521 Fifth Ave., New York, N.Y. 10017)

26-27. Electromagnetic Relays, 14th annual natl. conf., Oklahoma State Univ., Stillwater. (D. D. Lingelbach, Dept. of Electrical Engineering, Oklahoma State Univ., Stillwater 74075)

26-28. Joint Computer Conf., Boston, Mass. (J. L. Mitchell, P.O. Box 460, Lexington, Mass. 02173)

26-28. Institute of **Electrical and Elec**tronics Engineers, region 6, annual conf., Tucson, Ariz. (L. P. Huelsman, Dept. of Electrical Engineering, Univ. of Arizona, Tucson 85721)

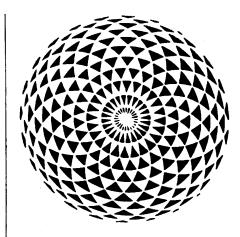
26-28. National Acad. of Engineering, 2nd annual mtg., Washington, D.C. (Secretary, NAE, 2101 Constitution Ave., NW, Washington, D.C. 20418)

27-29. Institute of Mathematical Statistics, Upton, L.I., N.Y. (G. E. Nicholson, Jr., Univ. of North Carolina, Chapel Hill)

27-29. American **Pediatric** Soc., Atlantic City, N.J. (C. D. Cook, 333 Cedar St., New Haven, Conn. 06510)

27-1. Technical Union of Italian Pharmacists, 9th natl. congr., Naples, Italy. (UTI. Far. Secretariat, Via Balbi 29/4, Genoa)

28-29. Electrical Conduction Properties of **Polymers**, symp., Pasadena, Calif. (A. Rembaum, Jet Propulsion Laboratory,



The nation's leading producer of high purity laboratory solvents introduces

MC&B Pesticide-Quality Solvents

This new line of solvents is specially purified for use in the determination of pesticide residues by GLC utilizing electron capture detection. It is the finest line of solvents for this purpose. Certified to contain no interfering substance greater than that equivalent to 10 parts per trillion of a chlorinated pesticide. All of these PESTICIDEQUALITY Solvents are now available from your MC&B distributor: Acetone, Acetonitrile, Benzene, 2-Butanone, Butyl Alcohol, iso-Butyl Alcohol, Carbon Tetrachloride, Chloroform, Cyclohexane, Dichloromethane, Dimethylformamide, p-Dioxane, Ether, Ethyl Acetate, Ethyl Alcohol, Heptane, Hexane, Methanol, 2-Methoxyethanol, 2-Methylpentane, Methylsulfoxide, Petroleum Ether, iso-Propyl Alcohol, Toluene, 2, 2, 4-Trimethylpentane.

WRITE FOR BOOKLET

containing data, bibliography and prices to MC&B, Box 85, East Rutherford, N. J.



Division of The Matheson Company, Inc. Norwood, Ohio, E. Rutherford, N. J., Los Angeles, Calif. -New! from L & F-

An Introduction To

ENVIRONMENTAL PHYSIOLOGY

Environmental Extremes and Mammalian Survival

By **G. EDGAR FOLK**, **JR.**, **Ph.D.**, Professor of Physiology, University of Iowa, Iowa City.

This new book is concerned primarily with the physiological responses of healthy mammals to natural changes or extremes of the physical environment. It is intended to be the main text for a onesemester course. The factors of heat, cold, visible light radiations, hibernation, atmospheric pressure, the water environment, and other subtle environmental factors are considered. Because each topic is a field of study in itself, carefully selected examples are presented not only of extreme environments and their impact on mammals, but also of the mammal's defensive responses. The experimental approach to each area is emphasized to attract students to the subject as an area of specialization. To this end, the carefully selected bibliography refers mostly to recent data. Comparative mammalian physiology has been included where it is concerned with environmental influences.

Approximately 350 Pages and 95 Illustrations. About \$10.00. Ready in April.

From the publishers of Crouch's FUNCTIONAL HUMAN ANATOMY; diFiore's ATLAS OF HUMAN HISTOLOGY; Faust, Beaver & Jung's ANIMAL AGENTS AND VECTORS OF HUMAN DISEASE; Faust and Russell's CLINICAL PARA-SITOLOGY; Fredette's translation of PREVOT'S ANAEROBIC BACTERIA; Noble and Noble's PARASITOLOGY: THE BI-OLOGY OF ANIMAL PARASITES; and the new, 28th edition of GRAY'S ANATOMY, ready in June.

Distinctive Publishing in the Life Sciences—since 1785

LEA & FEBIGER

WASHINGTON SQUARE,

PHILADELPHIA, PA. 19106

California Inst. of Technology, 4800 Oak Grove Dr., Pasadena)

28-30. Central States Anthropological Soc., annual mtg., St. Louis, Mo. (G. H. Fathauer, Dept. of Sociology and Anthropology, Miami Univ., Oxford, Ohio 45056)

28-30. Wildflower Pilgrimage, 16th annual, Gatlinburg, Tenn., and Great Smoky Mountain Natl. Park. (A. J. Sharp, Dept. of Botany, Univ. of Tennessee, Knoxville)

29-30. Georgia Acad. of Science, Georgia Southern College, Statesboro. (J. T. May, School of Forestry, Univ. of Georgia, Athens)

29-30. Mississippi Acad. of Sciences, Mississippi State Univ., State College. (C. Q. Sheeley, Box 574, State College 39762) 29-30. Population Assoc. of America,

New York, N.Y. (A. S. Lunde, Natl. Center for Health Statistics, U.S. Public Health Service, Washington, D.C. 20201) 29-30. American Assoc. of University

Professors, Atlanta, Ga. (W. P. Fidler, The Association. 1785 Massachusetts Ave., NW, Washington, D.C.)

29-1. Association of **Clinical Scientists**, Chicago, Ill. (R. P. MacFate, 300 N. State St., Chicago, Ill. 60610)

29-1. American Soc. for the Study of Sterility, Chicago, Ill. (H. H. Thomas, 944 S. 18 St., Birmingham, Ala.)

May

1. American Federation for **Clinical Research**, Atlantic City, N.J. (J. F. Bryan, 2000 P St., NW, Washington, D.C. 20036)

1-4. AAAS, Southwestern and Rocky Mountain Div., Las Cruces, N.M. (M. G. Anderson, P.O. Box AF, University Park, N.M. 88070)

1-4. American Soc. for Clinical Investigation, Atlantic City, N.J. (G. W. Liddle, School of Medicine, Vanderbilt Univ., Nashville, Tenn.)

1-4. American College of Obstetricians and Gynecologists, Chicago, Ill. (R. A. Kimbrough, 79 W. Monroe, Chicago 60603)

1-5. American Soc. for Microbiology, annual mtg., Los Angeles, Calif. (R. W. Sarber, The Society, 115 Huron View Blvd., Ann Arbor, Mich. 48103)

1–6. **Electrochemical Soc.**, annual spring mtg., Cleveland, Ohio. (The Society, 30 E. 42 St., New York 10017)

1-6. International College of **Surgeons**, North American Federation, congr., Houston, Tex. (S. E. Henwood, 1516 Lake Shore Dr., Chicago, Ill. 60610)

2-3. Canadian Aeronautics and Space Inst., annual mtg., Ottawa, Ontario. (The Institute, 77 Metcalfe St., Ottawa 4)

2-3. **Bioengineering**, 3rd annual Rocky Mountain symp., University of Colorado, Boulder. (J. C. Daniel, Dept. of Biology, Univ. of Colorado, Boulder 80304)

2-3. American Inst. of **Mining**, **Metallurgical**, and **Petroleum Engineers**, Inst. of Petroleum Engineers, Wichita Falls, Tex. (Executive Secretary, 345 E. 47 St., New York, N.Y. 10017)

2-4. Council of **Biology Editors**, Univ. of Notre Dame, Notre Dame, Ind. (R. E. Gordon, Dept. of Biology, Univ. of Notre Dame, Notre Dame)

2-4. Communications Satellite Systems, conf., American Inst. of Aeronautics and

Astronautics, Washington, D.C. (W. J. Brunke, AIAA, 1290 Sixth Ave., New York 10019)

2-5. Isochronous Cyclotrons, intern. conf., Gatlinburg, Tenn. (R. S. Livingston, Oak Ridge Natl. Laboratory, P.O. Box X, Oak Ridge, Tenn. 27831)

2-7. International Inst. of **Optics**, conf., Paris, France. (Conference Secretariat, Inst. for Optics, 3, blvd. Pasteur, Paris 15)

3-5. British Joint Computer Conf., Eastbourne, England. (Secretariat, Inst. of Electrical Engineers, Savoy Place, London W.C.2, England)

3-5. Industrial Waste, 21st conf., Purdue Univ., Lafayette, Ind. (D. E. Bloodgood, School of Civil Engineering, Purdue Univ., Lafayette 47907)

3-6. American Chemical Soc., Div. of **Rubber Chemistry**, San Francisco, Calif. (G. N. Vacca, Bell Telephone Laboratories, Murray Hill, N.J.)

3-8. Mechanism of Action of Fungicides and Antibiotics, intern. symp., Biological Soc. of the GDR, Reinhardsbrunn, East Germany. (H. Lyr, Inst. für Forstwissenschaften, Alfred-Möllerstr., 13 Eberswalde die Berlin)

4. Society for Analytical Chemistry, mtg., Bristol, England. (The Society, 14 Belgrave Sq., London, England)

4-6. Genetics Soc. of Canada, 11th annual mtg., Banff, Alberta. (C. O. Person, Dept. of Genetics, Univ. of Alberta, Edmonton, Canada)

4-6. Society for Experimental Stress Analysis, spring mtg., Detroit, Mich. (B. E. Rossi, 21 Bridge Sq., Westport, Conn. 06882)

4-7. Virginia Acad. of Science, Madison College, Harrisonburg. (R. C. Berry, Virginia Acad. of Science, P.O. Box 8203, Richmond 23226)

4-8. Laboratory Medicine, 12tn congr., Bad Kissengen, West Germany. (W. Albath, Katharinengasse 3, 87 Würzburg, Germany)

4-11. Instability Phenomena in Galaxies, symp., Armenian SSR. (A. N. Hakopian, Acad. of Sciences of the Armenian SSR, Erevan)

5-6. Human Factors in Electronics, 7th symp., Minneapolis, Minn. (C. A. Baker, Honeywell, Inc., 2700 Ridgeway Rd., Minneapolis)

5-6. **Rabies**, natl. symp., Atlanta, Ga. (J. R. Ray, American Veterinary Medical Assoc., Chicago, Ill.)

5-6. Strontium Metabolism, intern. symp., Annan, Scotland. (J. H. Martin, United Kingdom Atomic Energy Agency, Chapelcross Works, Annan, Dumfriesshire, Scotland)

5-7. Society for American Archaeology, 31st annual mtg., Univ. of Nevada, Reno. (D. D. Fowler, Dept. of Anthropology, Univ. of Nevada, Reno 89507)

5-7. New Jersey Soc. of **Professional Engineers**, 42nd annual conf. and exhibition, Atlantic City. (K. G. Stanley, The Society, 495 West State St., Trenton 08618)

5-7. Midwestern **Psychological** Assoc., Chicago, Ill. (F. A. Mote, Psychology Dept., Univ. of Wisconsin, Madison)

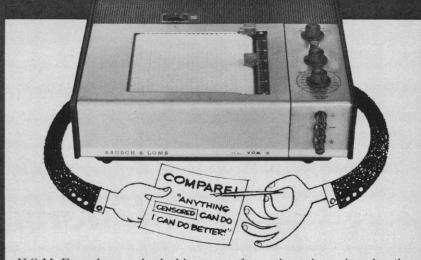
5-8. Protides of the Biological Fluids, 14th annual colloquium, Bruges, Belgium. (P.O. Box 71, Bruges)

11 MARCH 1966

We're into electronics up to our ears...



that's why Bausch & Lomb V.O.M. Recorders <u>ASSURE YOU</u> outstanding performance!



V.O.M. Recorders are backed by years of experience in engineering the most sophisticated electronic circuitry for a wide variety of precision scientific instruments. An entire division is devoted exclusively to the development and production of electronic products. Result? Outstanding performance and reliability... with exclusive important advantages for you at surprisingly low cost. Like recording multiple inputs... volts, ohms, milliamps... directly, without extra converters. Or the 5 chart speeds, and many more. People who buy them, like them and buy more. The V.O.M. Recorder in use is its own best salesman!

	V.O.M5	V.O.M6	V.O.M7	V.O.M8
Voltage range:	10 mv-500 v DC	2.5 mv-125 v DC	0.5 mv-10 v DC	Absorbance / Transmittance Measurement (voltage, current, resistance ranges same as V.O.M5) \$900 COMPLETE
Current range:	10 µa-100 ma	2.5 µa-25 ma	1 µa-10 ma	
Resistance range:	1 ohm—100 K ohms	0.25 ohms—25 K ohms	1 ohm-100 K ohms	
Prices: (suggested list)	\$595 COMPLETE	\$700 COMPLETE	\$885 COMPLETE	

We also have the capability of designing special recorders...modified to handle whatever applications you wish. For complete information on our standard recorders and the many time-saving accessories available for them, write for Catalog 37-2068. Let us know if you are interested in modification for special needs. Bausch & Lomb, 85627 Bausch Street, Rochester, New York 14602.

