

NESTER/FAUST manufacturing corporation • 2401 OGLETOWN RD., NEWARK, DELAWARE **PHONE 302-368-9146**

that is, the one away from invention of gadgetry for its own sake, and toward the standardization of the most useful techniques and equipments so that usable information can be obtained in some depth and quantitative relatedness with other data.

The selection of some outstanding papers always runs the risk of accusation of bias and judgment, and this is no doubt true. What is new and interesting depends upon how much the observer knows and upon his predilections. The paper by Wally Sinaiko on international teleconferencing opened up a whole new field of research having the possibility of immediate results in our present highly insecure society. He described some of the studies being done on communications by telephone, teletype, language translation, and the TV-phone. Ward Edwards described some of his work on decision-making by use of Bayesian mathematics. We are leaving ourselves open to an accusation of bias by stating that this is only an arbitrary sample of what was an almost universally worthwhile symposium. We recommend that interested readers obtain a copy of the proceedings from IEEE headquarters (Box A, Lenox Hill Station, New York, N.Y. 10021).

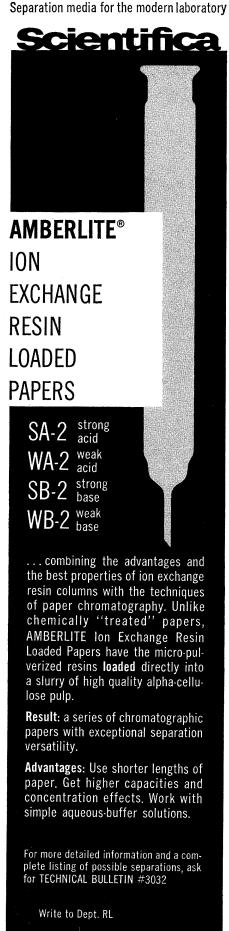
> W. E. WOODSON M. FREITAG

General Dynamics/Astronautics, San Diego, California

Forthcoming Events

August

- 2-3. Ophthalmic Biochemistry, first intern. conf., Woods Hole, Mass. (S. Lerman, Univ. of Rochester, Rochester, N.Y.)
- 2-4. American Assoc. of Colleges of Pharmacy, New York, N.Y. (C. W. Bliven, 1507 M St., NW, Washington, D.C. 20005)
- 2-6. National Medical Assoc., 69th annual, Washington, D.C. (Administrative Secretary, 520 W St., NW, Washington, D.C. 20001)
- 2-7. American Pharmaceutical Assoc., 111th annual, New York, N.Y. (G. B. Griffenhagen, Div. of Communications, 2215 Constitution Ave., NW, Washington, D.C.)
- 2-8. Applied Psychology, 15th intern. conf., Ljubljana, Yugoslavia. (B. Petz, Inst. of Psychology of Zagreb, Djure Salaja b.b., Zagreb, Yugoslavia)
- 2-8. Reactivity of Solids, 5th intern. symp., Munich, Germany. (B. Stuke, Physikalische-Chemisches Institut, Sophienstr. 11, Munich)
- 3-5. Compounds of Interest in Nuclear Reactor Technology, intern. symp.,



Boulder, Colo. (J. T. Waber, Los Alamos Scientific Laboratories, P.O. Box 1663, Los Alamos, N.M. 87544)

3-7. Instrument Soc. of America, instrumentation conf., Geneva, N.Y. (H. S. Kindler, 530 William Penn Place, Pittsburgh, Pa.)

3-7. World Federation for Mental Health, 17th annual, Bern, Switzerland. (F. Cloutier, 1, rue Gevray, Geneva, Switzerland)

3-8. International Years of the Quiet Sun, regional symp., Buenos Aires, Argentina. (J. G. Roederer, Facultad de Ciencias, Perú 272, Buenos Aires)

3-10. Anthropologists and Ethnologists, 7th world conf., Moscow, U.S.S.R. (American Anthropological Assoc., 1530 P St., NW, Washington, D.C. 20005)

3-12. **Botanical** Congr., 10th intern., Edinburgh, Scotland. (Miss S. C. Penny, 5 Hope Park Sq., Edinburgh 8)

4-7. Poultry Science Assoc., annual, Minneapolis, Minn. (E. L. Johnson, Dept. of Poultry Science, Univ. of Minnesota, St. Paul 55101)

4-17. Methods of Hydrological Forecasting, 3rd inter-regional seminar, World Meteorological Organization/UN Economic Commission for Asia and the Far East, Bangkok, Thailand. (WMO, Secretariat, Geneva, Switzerland)

5-7. Sonic Investigations on Internal Damping in Solids, symp., London, England (Administration Assistant, Institute of Physics and the Physical Society, 47 Belgrave Square, London, S.W.1)

5-12. Atmospheric Radiation, symp., World Meteorological Organization/ Intern. Union of Geodesy and Geophysics, Leningrad, U.S.S.R. (Secretariat, WMO, Geneva, Switzerland)

5-15. High Energy Physics, 12th intern. conf., Dubna, U.S.S.R. (M. L. Goldberger, Commission on High Energy Nuclear Physics, IUPAC, Princeton Univ., Princeton, N.J. 08540)

6-11. American Podiatry Assoc., New York, N.Y. (F. A. Kalbacher, American Podiatry Assoc., 3301 16th St., NW, Washington, D.C. 20010)

7-14. Scientific Study on Mental Retardation, intern. congr., Copenhagen, Denmark. (A. Dupont, Statens Ands-svageforsorg, Nyropsgade 28.2, Copenhagen 5)

9-12. Heat Transfer, 7th natl. conf., Cleveland, Ohio. (W. Chenoweth, American Inst. of Chemical Engineers, 345 E. 47 St., New York 17)

9-13. American Soc. of Animal Science, Knoxville, Tenn. (J. E. Oldfield, Dept. of Animal Science, Oregon State Univ., Corvallis)

9-14. South American Union of Engineers' Federations, 10th conv., Rio de Janeiro, Brazil. (Federação Brasileira de Associações de Engenheiros, Caixa Postal 1229, Rio de Janeiro)

10-14. Structural Developments in Inorganic Chemistry, New Hampton, N.H. (W. G. Parks, Dept. of Chemistry, Univ. of Rhode Island, Kingston)

10-15. Pan American Federation of Engineering Socs., 8th biennial conv., Caracas, Venezuela. (L. K. Wheelock, Engineers Joint Council, 345 E. 47 St., New York 10017)



The modern gas chromatographer demands the high resolution and performance reliability available only with uniform packing of the purest diatomaceous earth support. And that's Anakrom*. Quality controlled Anakrom in accurate 10 mesh cuts — 40/50 through 160/170 mesh — minimizes "tailing," increases efficiency. Five types: Untreated, Acid Washed, Acid and Alcohol-Base Washed, Vacuum Siliconized varieties of both washed types. Also, a complete line of Adsorbents, Phases, Packed Columns, Hardware. Send today for our illustrated Catalog and Price List.

Gas and Thin Layer Chromatography Courses by leading authorities

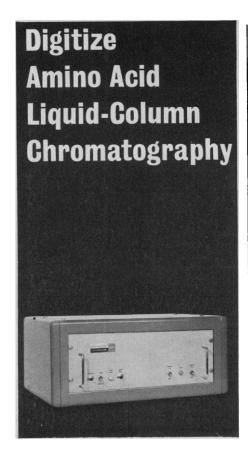
Mayflower Hotel, Washington, D. C., Sept. 28, 1964 Analabs pioneered these invaluable seminars. Write immediately for information and registration card.

*Registered trademark



P.O. BOX 5215 HAMDEN, CONNECTICUT - 06518

P.O. BOX 1084, CLIFTON, NEW JERSEY



with Perkin-Elmer integrated data reduction and programming systems

Perkin-Elmer digital translation equipment puts the speed and accuracy of computers to work with liquid-column chromatography, by providing a complete and automatic data link. Designed for compatibility with the Honeywell and Bristol multi-channel and single-channel recorders, typically used in Phoenix-Precision and Technicon colorimeters, Perkin-Elmer systems provide exceptional accuracy and reliability.

Perkin-Elmer undertakes complete equipment responsibility between transmittance and wavelength sources and a terminal tape punch. Standard systems are supplied with a FORTRAN program, providing automatic base line correction and concentration calculations.

Complete systems include transducers for the sensing sources, solid-state translation equipment and a paper tape punch. Optional versions provide for time-sharing in a common translator for multiple-recording stations, and common or multiple-tape punches.

For complete descriptive information and specifications, write to the Electronic Products Division, Perkin-Elmer Corporation, 784Main Avenue, Norwalk, Connecticut.

PERKIN-ELMER

11-14. American Soc. for Pharmacology and Experimental Therapeutics, San Francisco, Calif. (H. G. Mandel, George Washington Univ. Medical School, Washington, D.C. 20005)

12-14. Ballistic Missile and Space Technology, 9th symp., U.S. Naval Training Center, San Diego, Calif. (C. Morrow, Aerospace Corp., P.O. Box 95085, Los Angeles, Calif. 90045)

12-14. Galaxies, preliminary conf., Uppsala, Sweden. (T. Page, Van Vleck Observatory, Wesleyan Univ., Middletown, Conn. 06457)

12-14. X-Ray Analysis Applications, 13th annual conf., Denver, Colo. (W. G. Mueller, Metallurgy Div., Univ. of Denver, Denver Research Inst., Denver 80210)

13-15. International Soc. for Horticultural Science, Edinburgh, Scotland. (G. de Bakker, Le v.d. Boschstraat 4, The Hague, Netherlands)

16-21. Histochemistry and Cytochemistry, intern. congr., Frankfurt am Main, Germany. (T. H. Schiebler, Anatomisches Institut der Universität, Koellikerstr. 6, 87 Würzburg, Germany)

16-23. Latin American Schools of Medicine, 4th conf., Pocos de Caldas, Brazil. (O. Versiani Caldeira, Univ. of Minas Gerais Medical School, Belo Horizonte, Minas Gerais, Brazil)

16-24. Human Economy, conf., Inst. of Paper Chemistry, Appleton, Wis. (A. N. McLeod, IPC, Appleton)

17-20. American Assoc. of Clinical Chemists, 16th natl., Boston, Mass. (F. F. Ronan, AACC, 19 Bay State Rd., Boston 15)

17-20. Natural Ultra Low Frequency Electromagnetic Fields, symp., Boulder, Colo. (W. H. Campbell, National Bureau of Standards, Boulder)

17-21. Combustion, 10th intern. symp., Cambridge, England. (Combustion Inst., 986 Union Trust Bldg., Pittsburgh 19, Pa.)

17-21. Cryogenic Engineering, conf., Philadelphia, Pa. (K. D. Timmerhaus, Engineering Research Center, Ketchum 129, Univ. of Colorado, Boulder)

17-21. Simulation in Space Technology, Blacksburg, Va. (F. J. Maher, Virginia Polytechnic Inst., Blacksburg)

17-22. International Astronomical Union, symp., Thessaloniki, Greece. (Maj. B. R. Agins, Air Force Office of Scientific Research, SRMA, Washington, D.C.)

17-22. Cardiology, 4th European congr., Prague, Czechoslovakia. (H. Kafka, Karlovo nám. 32, Prague 2)

17-22. Endocrinology, 2nd intern. congr., London, England. (A. S. Mason, London Hospital, Whitechapel, London, E.1)

17-22. Social Psychiatry, 1st intern. congr., London, England. (J. Bierer, 7 Hollycroft Ave., London, N.W.3)

17-28. Molecular Biophysics, intern. inst., Squaw Valley, Calif. (Prof. Weissbluth, Biophysics Laboratory, Stanford Univ., Stanford, Calif.)

18-20. International Assoc. of Milk and Food Sanitarians, Portland, Ore. (H. L. Thomasson, P.O. Box 437, Shelbyville, Ind.)

19-21. Physiology of Digestion in the Ruminant, 2nd intern. symp., Ames, Iowa. (R. W. Dougherty, Box 70, Ames)

20-21. National Council of Teachers of Mathematics, Minneapolis, Minn. (J. D. Gates, NCTM, 1201 16th St. NW, Washington, D.C. 20036)

22. American Inst. of Ultrasonics in Medicine, 9th annual, Boston, Mass. (W. J. Fry, Biophysical Research Laboratory, Univ. of Illinois, Urbana)

22-24. History of Astronomy, symp., Hamburg, Germany. (B. Sticker, Institut für Geschichte der Naturwissenschaften, Universität Hamburg, Hartnungstr. 5, 2 Hamburg 13, Germany)

22-28. American Soc. of **Human Genetics**, Boulder, Colo. (S. H. Boyer, Johns Hopkins Hospital, Baltimore, Md.)

23. American Assoc. of Electromyography, annual, Boston, Mass. (M. K. Newman, 16861 Wyoming Ave., Detroit, Mich. 48221)

23-26. American **Phytopathological** Soc., Lafayette, Ind. (J. R. Shay, Purdue Univ., Lafayette)

23-26. Soil Conservation Soc. of America, 19th annual, Jackson, Miss. (SCS, 7515 Northeast Ankeny Rd., Ankeny, Iowa)

23-28. American Inst. of **Biological** Sciences, annual, Boulder, Colo. (AIBS, 2000 P St., NW, Washington, D.C.)

The following societies will hold meetings in conjunction with the AIBS meeting:

American Bryological Society American Fern Society American Fisheries Society American Microscopical Society

American Society for Horticultural Science

American Society of Human Genetics
American Society of Parasitologists
American Society of Plant Physiologists
American Society of Plant Taxonomists
American Society of Zoologists
Biometric Society ENAR-WNAR
Botanical Society of America
Ecological Society of America
Genetics Society of America
Mycological Society of America

Nature Conservancy
Phi Sigma Society
Phycological Society of America
Society for Industrial Microbiology
Society for the Study of Development
and Growth

National Association of Biology Teach-

Society of Nematologists
Society of Protozoologists
Tomato Genetics Cooperative

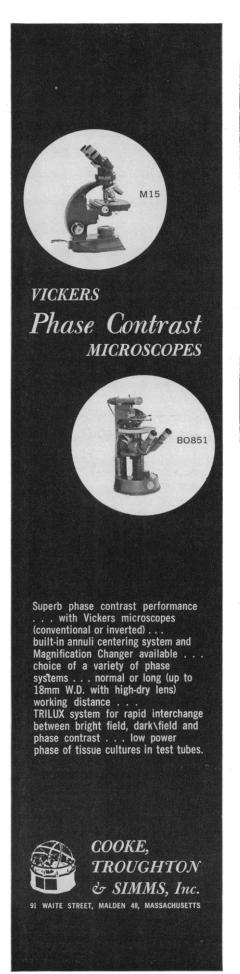
23-28. American Congr. of Physical Medicine and Rehabilitation, Boston, Mass. (G. Gullickson, Jr., 30 N. Michigan, Chicago, Ill.)

23-28. Conservation Education, conf., Tacoma, Wash. (C. Boyce, Office of the Superintendent of Public Instruction, Olympia, Wash.)

24-26. American Inst. of Aeronautics and Astronautics, Los Angeles, Calif. (AIAA, 1290 Sixth Ave., New York, N.Y.)

24-26. Society for Cryobiology, annual, Washington, D.C. (V. P. Perry, Tissue Bank Dept., U.S. Naval Medical School, National Naval Medical Center, Bethesda, Md. 20014)

24-26. Education in the Nuclear Power Era, conf., Gatlinburg, Tenn. (M. L. Nel-



son, Education Div., Oak Ridge Natl. Laboratory, P.O. Box 117, Oak Ridge, Tenn.)

24-26. Mathematical Assoc. of America, summer meeting, Univ. of Massachusetts, Amherst. (H. M. Gehman, Univ. of Buffalo, Buffalo 14, N.Y.)

falo, Buffalo 14, N.Y.)
24-27. American Soc. for **Pharmacology**and Experimental Therapeutics, Univ. of
Kansas, Lawrence, Kan. (E. B. Cook, The
Society, 9650 Wisconsin Ave., NW, Washington, D.C.)

24-27. Biological Photographic Assoc., annual, New York, N.Y. (C. H. Weiss, 81 Bedford St., New York 14)

24-27. American Hospital Assoc., Chicago, Ill. (E. L. Crosby, 840 N. Lake

Shore Dr., Chicago 11)

24-27. Toxicology and Occupational

Medicine, 4th inter-American conf., Miami Beach, Fla. (W. Machle, Univ. of

Miami School of Medicine, Coral Gables,
Fla.)

24-28. International Council of the Aeronautical Sciences, 4th congr., Paris, France. (American Inst. of Aeronautics and Astronautics, 2 E. 64 St., New York, N.Y. 10021)

24-28. Astrodynamics Guidance and Control, conf., Los Angeles, Calif. (K. Watanabe, 4731 B Engineering Building III, University of California, Los Angeles 24)

24-28. American Astronautical Soc., military space applications symp., Stanford, Calif. (AAS, 516 Fifth Ave., New York, N.Y.)

24-28. Society for Industrial and Applied Mathematics, Amherst, Mass. (W. S. Dorn, T. J. Watson Research Center, I.B.M., P.O. Box 218, Yorktown Heights, N.Y.)

24-28. Scandinavian Mathematical Congr., Copenhagen, Denmark. (Secretariat, The Congress, c/o Mathematical Inst., H. C. Ørsted Inst., Universitetsparken 5, Copenhagen Ø)

24-28. American Mathematical Soc., New York, N.Y. (G. L. Walker, AMS, 190 Hope St., Providence, R.I.)

24-28. Preventive Cardiology, first intern. conf., Burlington, Vt., (W. Raab, Preventive Heart Reconditioning Foundation, 206 Summit St., Burlington, Vt.)

24-28. Water Pollution Research, 2nd intern. conf., Tokyo, Japan. (Water Pollution Control Federation, 4435 Wisconsin Ave., Washington, D.C. 20016)
24-29. Psychotherapy, 6th intern. congr.,

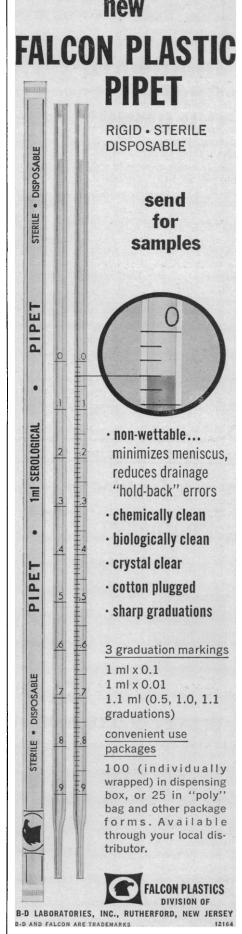
24-29. Psychotherapy, 6th intern. congr., London, England. (F. Pannell, The Congress, 11 Whitehall Ct., London, S.W.1)

24-29. Preparation and Biomedical Application of Labeled Molecules, Venice, Italy. (C. Colombini, Center of Nuclear Chemistry, Univ. of Padova, Via Loredan 6, Padova, Italy)

24-3. International Assoc. of Agricultural Economists, 12th triennial conf., Lyons, France. (French Organization Committee of the Conference, 4, rue de Lasteyrie, Paris 16°, France)

25-27. Association for Computing Machinery, 19th annual, Philadelphia, Pa. (H. S. Bright, Philco Computers, Willow Grove, Pa.)

25-28. Western Electronics Show and Conv. (WESCON), Inst. of Electrical and Electronics Engineers, summer meeting,



Los Angeles, Calif. (R. R. Bennett, Suite 1920, 3600 Wilshire Blvd., Los Angeles)

25-29. Audiology, 7th intern. congr., Copenhagen, Denmark. (H. W. Ewertsen, c/o State Hearing Centre, 7 D. Tvaergade, Copenhagen K)

25-3. International Astronomical Union, 12th general assembly, Hamburg, Germany. (D. A. Bell, c/o Royal Greenwich Observatory, Hertsmonceaux Castle, Hailsham, Sussex, England)

26-2. British Association for the Advancement of Science, 126th annual, Southampton, England. (BAAS, 3 Sanctuary Bldgs., London, S.W.1, England)

26-2. Logic, Methodology, and Philosophy of Science, intern. conf., Jerusalem, Israel. (Y. Bar-Hillel, Hebrew Univ., Jerusalem)

26-3. Electron Microscopy, 3rd European regional conf., Prague, Czechoslovakia. (Organizing Committee, Albertov 4, Prague 2)

27. American Soc. for Horticultural Science, Amherst, Mass. (R. E. Marshall, AMHS, Dept. of Horticulture, Michigan State Univ., East Lansing)

27-28. Activation Analysis, Glasgow, Scotland. (J. M. A. Lenihan, Western Regional Hospital Board, 9 W. Greham St., Glasgow, C.4)

27-29. Pacific Slope **Biochemical** Conf., San Francisco, Calif. (M. P. Gordon, Dept. of Biochemistry, Univ. of Washington, Seattle 98105)

27-29. Reactive Intermediates in Organic Chemistry, symp., Quebec City, P.Q., Canada. (C. R. Engel, Faculté des Sciences, Université Laval, Quebec City)

28-3. Neurology, 8th intern. congr., Vienna, Austria. (H. Hoff, Medizinische Fakultät, Neurologische und Psychiatrische Abteilung, Vienna 9)

29. Gravity Research Foundation, annual, New Boston, N.H. (The Foundation, Gravity Village, New Boston)

29-5. International **Epidemiological** Assoc., 4th intern. meeting, Princeton, N.J. (L. Breslow, Div. of Preventive Medical Services, California Dept. of Public Health, 2151 Berkeley Way, Berkeley 95704)

30-2. Electronic Properties and Applications of Solid-Solid Interfaces, Boston, Mass. (F. S. Gardner, Office of Naval Research, 495 Summer St., Boston, Mass. 02110)

30-3. Illuminating Engineering Soc., Miami Beach, Fla. (A. D. Hinckley, IES, 345 E. 47 St., New York 10017)

30-4. American Chemical Soc., fall natl. meeting, Chicago, Ill. (A. H. Emery, 1155 16th St., NW, Washington, D.C.)

30-4. Institute of Mathematical Statistics, annual, Amherst, Mass. (D. M. Gilford, Mathematical Sciences Division, Office of Naval Research, Washington, D.C.)

30-4. American Ornithologists' Union, Lawrence, Kan. (L. H. Walkinshaw, 1703 Wolverine Tower, Battle Creek, Mich.)

30-5. Applied Mechanics, 11th intern. congr., Munich, Germany. (Organisations-Sekretariat des Mechanik-Kongresses, Inst. für Mechanik, Arcisstr. 21, Munich 2)

30-5. Cell Biology, 11th intern. congr., Providence, R.I. (J. W. Wilson, Dept. of Biology, Brown Univ., Providence)

. Introducing -- the NEW VIRTIS "QUICKSEAL VALVE"* - The Vacuum Valve that you don't "twist, push, pull"; — or "guess" the open/close positions. Now — Freeze-drying Flasks, Ampules and Serum Bottles are easily connected to manifold Ports — eliminating tubing clamps or plugs to open/close vacuum. The QUICKSEAL VALVE, of pure gum rubber, contains a precision molded polypropylene "ON/OFF" Selector Knob. Dry Samples may be removed without breaking vacuum. Vessels may be connected or disconnected without breaking vacuum. Ampules may be heat-sealed while connected to Quickseal Valves. Write today for FREE TECHNICAL DATA FILE, including low quantity prices. THE VIRTIS COMPANY, INC. GARDINER, NEW YORK OUICKSE/ VIRT MANIFOLD (VIRTIS) 2 SIZES: 1/2" PORT *Pat. Pending 3/4" PORT VACUUM TIGHT TO 1 MICRON