

Forthcoming Events

November

7-9. Society for **Experimental Stress Analysis**, fall mtg., Pittsburgh, Pa. (Executive Secretary, 21 Bridge Square, Westport, Conn. 06882)

7-10. **Displays for Command and Control Centers**, symp., Munich, Germany. (Avionics Panel, Advisory Group for Aerospace Research and Development, 64, rue de Varenne, Paris 7, France)

8-10. **Computers**, fall joint conf., American Federation of Information Processing Socs., San Francisco, Calif. (W. H. Davidow, P.O. Box 2208, Menlo Park, Calif. 94025)

9-11. Society of **Aerospace Material and Process Engineers**, 10th natl. symp., "Advanced Fibrous Reinforced Composites," San Diego, Calif. (The Society, P.O. Box 613, Azusa, Calif.)

9-11. **Pittsburgh Diffraction** conf., Pittsburgh, Pa. (P. R. Swann, U.S. Steel Corp., Fundamental Research Lab., Monroeville, Pa. 15146)

10-11. **Mind as a Tissue**, 5th Lankenau intern. research conf., Lankenau Hospital, Philadelphia, Pa. (Div. of Research, Lankenau Hospital, Lancaster and City Line Ave., Philadelphia 19151)

10-11. **Thiamine**, mtg., Ciba Foundation study group, London, England. (Ciba, 41 Portland Pl., London, W.1)

10-12. American Soc. of **Cytology**, 14th annual scientific mtg., Milwaukee, Wis. (W. R. Lang, 1025 Walnut St., Philadelphia, Pa. 19107)

10-12. **Newtonian Studies**, intern. conf., Univ. of Texas, Austin. (R. Palter, Philosophy Dept., Univ. of Texas, Austin)

11. Joint Commission on Applied **Radioactivity**, annual mtg., Budapest, Hungary. (C. Fisher, Commissariat à l'Energie Atomique, Centre d'Etudes de Saclay, Boite Postale 2, Gif-sur-Yvette, France)

11-12. New England **Psychological Assoc.**, annual mtg., Boston, Mass. (M. M. Riggs, New Hampshire Child Guidance Clinics, 121 S. Fruit St., Concord, N.H.)

11-12. **Psychosomatic Disorders**, 10th annual conf., London, England. (A. H. Crisp, Academic Psychiatric Unit, Middlesex Hospital, London, W.1)

11-13. Association of **Clinical Scientists**, annual mtg., Washington, D.C. (The Association, 300 N. State Street, No. 5322, Chicago, Ill. 60610)

12. **Petroleum**, 6th Arab congr., Baghdad. (League of Arab States, Midan Al Tahrir, Cairo, UAR)

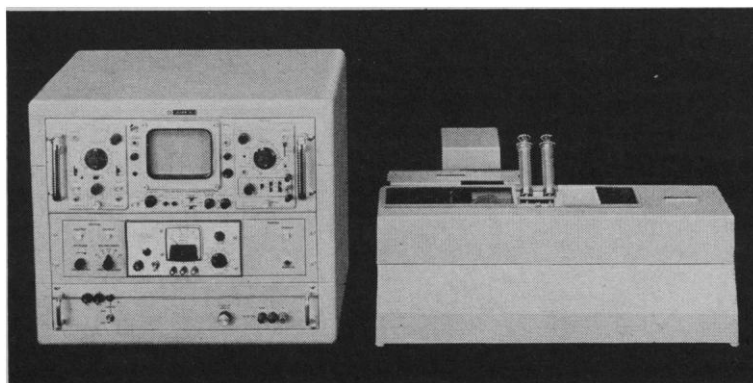
13-16. **Education in the Neurological Sciences**, conf., White Sulphur Springs, W.Va. (J. L. O'Leary, Dept. of Neurology, Washington Univ. School of Medicine, St. Louis, Mo. 63110)

13-16. **Otorhinolaryngology**, 6th Latin American congr., Mexico, D.F. (F. Hernandez Orozco, Amsterdam 295, Mexico, D.F., Mexico)

14. **Organic Solid State**, 4th annual symp., Franklin Inst. Research Laboratories, Philadelphia, Pa. 19103)

14-15. Association for the Study of **Nerve Adjustments**, annual conf., East Berlin. (K. Hecht, Wiltbergstr. 50, 1115 Berlin-Buch, East Germany)

DURRUM STOPPED-FLOW SPECTROPHOTOMETER



ABSORPTION RECORDINGS IN 5 MILLISECONDS

New Durrum instrument simplifies rapid kinetic studies based on the stopped-flow technique, permitting measurement of chemical reaction half times as short as five milliseconds. It mixes two liquid components, follows their change in monochromatic light absorption at selected wavelengths from 2500 to 8000 Angstroms, and records the change as a function of time on a storage oscilloscope. You can retain several successive traces for comparison, and photograph the CRT for a permanent record.

The instrument measures sample volumes as small as 0.2 ml of each component. Built-in heat exchange coil and circulating pump permit operation at elevated or reduced temperatures when used in conjunction with readily available laboratory water baths. Instrument parts contacting sample are fabricated of stainless steel, Teflon, Kel-F, glass or fused silica, and are capable of withstanding a wide variety of component solutions and reaction products.

MULTIPLE-USE VERSATILITY

Modular design facilitates addition of new accessories and techniques as they become available in the fast-moving field of kinetic studies. The standard instrument measures absorption of visible light through a 20 mm light path. Standard equipment (price \$10,800) includes mixing chamber, monochromator and light source, power supplies and electronics, circulating pump and heat exchange coil, storage oscilloscope and camera. Accessories and attachments expand capabilities for fluorescence, ultraviolet, and short path length measurements. Prices for partial or complete systems range from \$4,900.00 to \$11,835.00.

TYPICAL APPLICATIONS

Enzyme-substrate reactions, catalytic studies, metal-ligand reactions, bioluminescence, concentration jump, fluorescence, and absorption measurements are a few potential applications for the instrument.

FOR FURTHER INFORMATION

Write Durrum for references, four page price list of systems and accessories, and new illustrated brochure describing the instrument.

Available through Techmation, Ltd., in London, Paris, Dusseldorf, and Amsterdam. Write for name of agent in other overseas locations.


DURRUM

Durrum Instrument Corp., 925 E. Meadow Dr., Palo Alto, Calif. 94303, Tel. (415) 321-6302

Cable: DURRUM, Palo Alto