

grafts largely on the surface of the nylon, with a resultant improvement in the weathering properties of the fabric. Irradiation of nylon and terylene in the presence of acrylonitrile and vinyl pyrrolidone gave a slight improvement in dyeing response.

J. R. Tichy (Maine Medical Center), in his paper on the polymerization of phosphorous pentachloride and urea, presented analytical data on the products of this complex polymerization. In the last paper presented, R. W. Lenz and W. K. Carrington (Dow Chemical) discussed the preparation of phenylene sulfide polymers by the Macallum polymerization. The reaction of *p*-dichlorobenzene with sulfur and sodium carbonate at 300° to 350°C to give a phenylene sulfide polymer of high molecular weight probably proceeds partly by a direct attack of sulfur diradicals on the dihalide and partly by attack of sodium sulfide formed by reaction of sulfur with sodium carbonate.

K. E. RUSSELL

Gordon Hall, Queen's University,  
Kingston, Ontario, Canada

## Forthcoming Events

### March

13-14. American Otological Soc., Miami Beach, Fla. (L. R. Boies, University Hospital, Minneapolis 14.)

14-16. American Railway Engineering Assoc., annual conv., Chicago, Ill. (N. D. Howard, AREA, 59 E. Van Buren St., Chicago 5.)

14-17. Positive Health of Older People, forum, Miami Beach, Fla. (A. Mallach, National Health Council, 1790 Broadway, New York 19.)

14-18. National Assoc. of Corrosion Engineers, 16th annual, Dallas, Tex. (W. A. Mapler, NACE, 18263 W. McNichols Rd., Detroit 19, Mich.)

15-16. American Broncho-Esophagological Assoc., Miami Beach, Fla. (F. J. Putney, 1712 Locust St., Philadelphia 3.)

15-21. Nondestructive Testing, 3rd intern. conf., Tokyo and Osaka, Japan. (S. Ishizaka, Scientific Attaché, Embassy of Japan, 2514 Massachusetts Ave., NW, Washington 8.)

16-18. Genetics Soc. of Canada, 5th annual, Vancouver, B.C. (Miss K. Cole, Dept. of Biology and Botany, Univ. of British Columbia, Vancouver 8.)

17. Congress for Pharmacists, 2nd annual, Jamaica, N.Y. (Congress for Pharmacists, Public Relations Office, St. John's Univ., Jamaica 32.)

17-19. American Radium Soc., conf., San Juan, Puerto Rico. (ARS, 635 East Union, Pasadena, Calif.)

17-19. Blood Platelets, intern. symp. (by invitation only), Detroit, Mich. (Miss S. A. Johnson, Henry Ford Hospital, Detroit 2.)

17-19. National Federation of Science Abstracting and Indexing Services, annual, Washington, D.C. (R. A. Jensen, 301 E. Capitol St., Washington 3.)

17-20. International Assoc. for Dental Research, Chicago, Ill. (D. Y. Burrill, Northwestern Univ. Dental School, 311 E. Chicago Ave., Chicago 11.)

18-19. American Laryngological Assoc., Miami Beach, Fla. (L. Richards, Massachusetts Institute of Technology, Cambridge.)

20-23. American Assoc. of Dental Schools, Chicago, Ill. (R. Sullen, 840 N. Lake Shore Drive, Chicago 11.)

20-26. American Cong. on Surveying and Mapping, Washington, D.C. (C. E. Palmer, American Soc. of Photogrammetry, 1515 Massachusetts Ave., NW, Washington 5.)

20-26. American Soc. of Photogrammetry, Washington, D.C. (C. E. Palmer,

ASP, 1515 Massachusetts Ave., NW, Washington 5.)

21-24. American Acad. of General Practice, 12th annual, Philadelphia, Pa. (AAGP, Volker Blvd. at Brookside, Kansas City 12, Mo.)

21-24. Institute of Radio Engineers, natl. conv., New York, N.Y. (L. G. Cumming, IRE, 1 E. 79 St., New York 21.)

22-24. High-Polymer Physics, 20th, Detroit, Mich. (T. L. Smith, American Physical Soc., Stanford Research Inst., Menlo Park, Calif.)

23-25. National Council on Alcoholism, annual, New York, N.Y. (M. Ross, American Psychiatric Assoc., 1700 18 St., NW, Washington 9.)

23-25. Optical Spectrometric Measure-

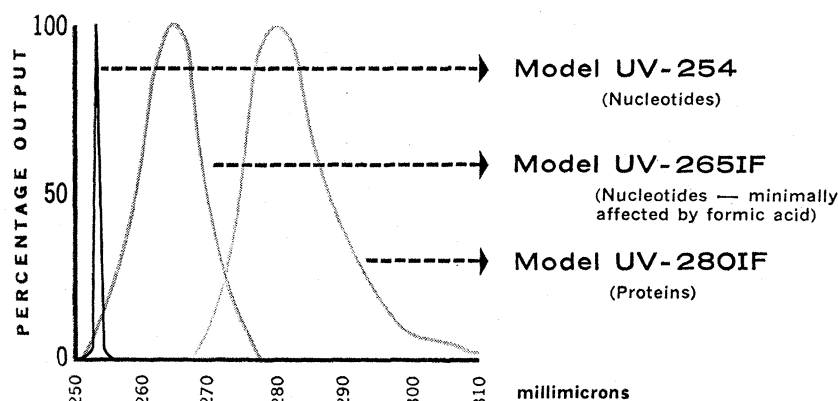


different

ultraviolet  
absorption  
meters

now available from

**GME**



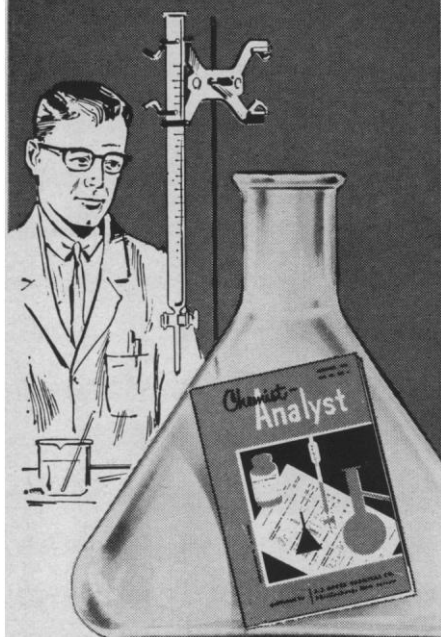
- Designed to indicate which test tubes in the fraction collector contain material of interest
- Fit on the apparatus mast of the Fractionator directly above the volumetric unit
- Equipped with electrical output to operate a recorder
- May be connected to any make of fraction collector.

Interchangeable interference filters make it possible for one absorption meter to be used as either a UV-265IF or a UV-280IF.

**GILSON MEDICAL ELECTRONICS**

MIDDLETON, WISCONSIN • On Madison's West Beltline Highway

# Have you analyzed the **CHEMIST-ANALYST?**



...published by J. T. Baker as a service  
to more than 40,000 technologists

First... turn to the table of contents of any issue. Note the ready-to-use articles about new analytical methods and reagents and the time and work saving Lab Suggestions.

Second... read those papers of interest to you. We believe that your analysis will confirm that the **CHEMIST-ANALYST** has earned its prestige as a fully professional and progressive journal in the field of applied chemical analysis.

Third... note the informative features "What's New Under the Baker Label" and "What's New in J. T. Baker Bulk Chemicals." These features keep you up-to-date about new Baker products and new uses for them.

The **CHEMIST-ANALYST** has been published since 1911 by the manufacturer of 'Baker Analyzed' Reagents, famous for the highest standards of quality and most informative labeling in the industry. The 'Baker Analyzed' label defines purity to the decimal with *Actual Lot Analysis*—not just maximum limits; and for more than 320 reagents also by *Actual Lot Assay*—not just range assay.

**NEW SUBSCRIPTIONS.** J. T. Baker is pleased to offer the **CHEMIST-ANALYST** to an additional number of chemists and allied technologists. If you would like to receive this informative quarterly journal regularly and without charge, send us your name, title, and your company or institutional address.



**J. T. Baker  
Chemical Co.**  
Phillipsburg, New Jersey

ments of High Temperatures, symp., Chicago, Ill. (F. Brech, Laboratories for Applied Science, Univ. of Chicago, 6220 S. Drexel Ave., Chicago 37.)

24-25. Human Factors in Electronics, 1st annual symp. (IRE), New York, N.Y. (J. E. Karlin, Bell Telephone Laboratories, Murray Hill, N.J.)

24-26. American Assoc. for the History of Medicine, Charleston, S.C. (J. B. Blake, c/o Smithsonian Institution, Washington 25.)

24-26. Aviation Education, 4th natl. conf., Denver, Colo. (W. Kinkley, Superintendent of Schools, Aurora, Colo.)

26-27. American Psychosomatic Soc., 17th annual, Montreal, Canada. (E. D. Wittkower, APS 265 Nassau Rd., Roosevelt, N.Y.)

28-31. Exploitation of Natural Animal Populations, symp., Durham, England. (E. D. Le Cren, British Ecological Soc., The Ferry House, Ambleside, Westmorland, England.)

29-31. American Power Conf., 22nd annual, Chicago, Ill. (R. A. Budenholzer, Mechanical Engineering Dept., Illinois Inst. of Technology, 3300 Federal St., Chicago 16.)

29-2. National Science Teachers Assoc., 8th annual conv., Kansas City, Mo. (Miss M. R. Broom, NSTA, National Education Assoc., 1201 16 St., NW, Washington 4.)

30-31. Adrenergic Mechanisms, Ciba Foundation symp. (by invitation only), London, England. (G. E. W. Wolstenholme, Ciba Foundation, 41 Portland Pl., London, W.1, England.)

31-1. Continuous Culture of Microorganisms, symp., London, England. (R. Elsworth, c/o Ministry of Supply, Microbiological Research Establishment, Porton, Salisbury, Wilts., England.)

31-2. American Gastroenterological Assoc., New Orleans, La. (W. Volwiler, Dept. of Medicine, Univ. of Washington, Seattle.)

## April

1-3. American Soc. of Internal Medicine, San Francisco, Calif. (R. L. Richards, 350 Post St., San Francisco 8.)

1-3. American Soc. for the Study of Sterility, Cincinnati, Ohio (H. H. Thomas, 920 S. 19 St., Birmingham 5, Ala.)

1-4. Bahamas Medical Conf., Nassau. (B. L. Frank, P.O. Box 4037, Fort Lauderdale, Fla.)

2. Paleontological Research Institution, Ithaca, N.Y. (Miss R. S. Harris, 126 Kelvin Pl., Ithaca.)

2-6. American College of Obstetrics and Gynecologists, Cincinnati, Ohio. (D. F. Richardson, 79 W. Monroe St., Chicago 3, Ill.)

3-6. American Surgical Assoc., White Sulphur Springs, W.Va. (W. A. Altemeier, Cincinnati General Hospital, Cincinnati, Ohio.)

3-7. International Anesthesia Research Soc., Washington, D.C. (A. W. Friend, E. 107 St. and Park Lane, Cleveland 6, Ohio.)

3-8. Nuclear Cong., New York, N.Y. (P. Lange, Engineers Joint Council, 29 W. 39 St., New York.)

(See issue of 15 January for comprehensive list)

## New Products

*The information reported here is obtained from manufacturers and from other sources considered to be reliable. Neither Science nor the writer assumes responsibility for the accuracy of the information. All inquiries concerning items listed should be addressed to the manufacturer. Include the department number in your inquiry.*

■ **RECORDING POLAROGRAPH** manufactured by Metrohm Ltd., Herisau, Switzerland, can be applied to amperometric titrations and to potentiometric titrations with low-resistance electrodes. Voltage applied to the potentiometer is stabilized so that line voltage variations of  $\pm 15$  percent are completely absorbed. Accuracy of voltage source and potentiometer linearity are  $\pm 0.2$  percent. Maximum sensitivity is said to permit determination of metal ion concentrations to  $10^{-4}M$ . Oscillations caused by the dropping mercury electrode are damped by a 10-step RC system. Charging-current compensation is adjustable from  $1 \times 10^{-10}$  to  $5 \times 10^{-8}$  amp/mm. First derivative polarogram may be recorded. (C. A. Brinkmann & Co., Inc., Dept. Sci347, 115 Cutter Mill Rd., Great Neck, N.Y.)

■ **TAPE SPLICER** for perforated tapes consists of a small metal block with a row of pins that fit the feed holes of all standard tapes. After aligning the tape ends, a short piece of adhesive material with punched holes is placed over the joined ends. No information is lost in splicing. (Computer Measurements Corp., Dept. Sci348, 12970 Bradley Ave., Sylmar, Calif.)

■ **VIDEO TELEMETER** is designed specifically for missile applications. The system uses a 525-line, 30-frame, fully interlaced picture. Circuitry is transistorized. Synchronization is crystal controlled. The entire system occupies 118.8 in.<sup>3</sup> and weighs 5.9 lb. Shock resistance is 40 grav. for 11 msec in three planes. Acceleration resistance is 45 grav. (Lockheed Electronics and Avionics Div., Dept. Sci350, 6201 East Randolph St., Los Angeles 22, Calif.)

■ **BLACK BODY CAVITY** for calibration of radiation pyrometers such as the Stoll-Hardy radiometer can be adjusted to any temperature between ambient and 65°C. Aperture size is  $\frac{3}{4}$  in. Operation is on 150 volts, 10 watts. (Williamson Development Co., Inc., Dept. Sci351, 317 Main St., West Concord, Mass.)

■ **ANGULAR ACCELEROMETER** consists of a seismic system, position-error detector, restoring mechanism, and a servo error-signal amplifier. Angular acceleration generates a force that tends to develop a displacement. The electrical feedback signal required to restore