

hibiting myogenic autoregulation, a type which depends upon vascular transmural pressure. This response should exist only in vessels possessing active smooth muscle tone, or might be evoked in previously atonic vessels if they are sufficiently reactive to the stimulus, and should be abolished by any agent which paralyzes vascular smooth muscle. Such autoregulation may occur in the absence of a parallel change in tissue pressure, venous resistance, or organ weight. When venous pressure is elevated, total vascular resistance should increase except where capillary pressure is high (for example, in the kidney), or where tissue pressure increases substantially.

3) The group considered metabolic autoregulation. Generally, resistance is dependent on blood flow in a manner consistent with maintenance of an adequate nutrient supply. In comparing it to myogenic autoregulation it is similar in that it requires active smooth muscle tone and may be seen in the absence of parallel changes in tissue pressure, venous resistance, or organ weight, and dissimilar in that vascular resistance to blood flow should decrease with elevation of venous pressure.

Finally, the group discussed further experiments which should be performed to determine the nature of autoregulation demonstrated in the various organs.

The workshop was a most useful method to the participants in trying to resolve individual differences and in determining the areas most likely to be fruitful in this research field. It was generously supported by a grant (H-7124) to one of us (P.C.J.) from the National Heart Institute.

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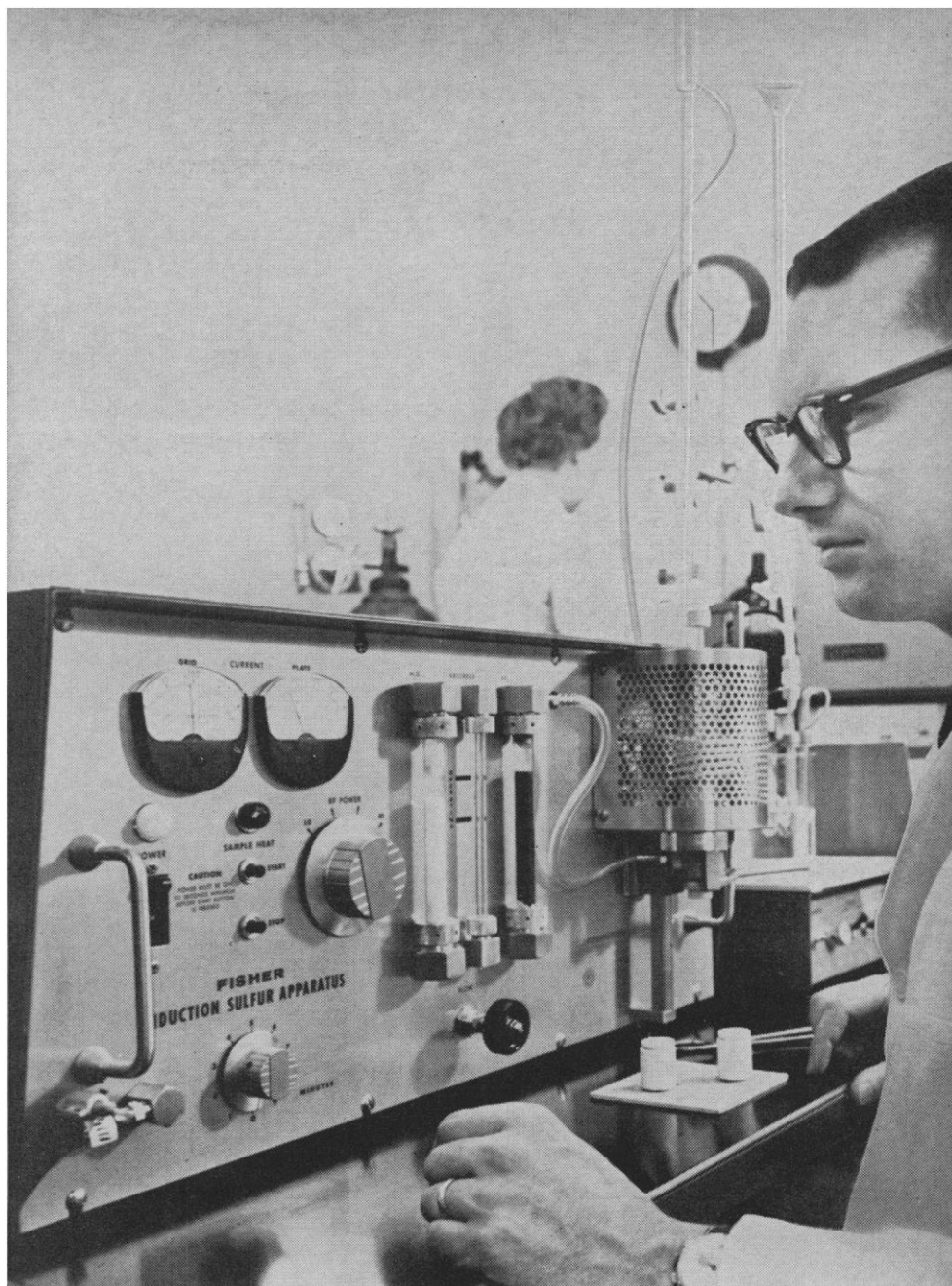
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Oklahoma City*

Forthcoming Events

May

12. American Pharmaceutical Assoc., Miami Beach, Fla. (W. S. Apple, 2215 Constitution Ave., NW, Washington, D.C.)

12-13. Biology Colloquium, 24th annual, Oregon State Univ., Corvallis. (F. A.



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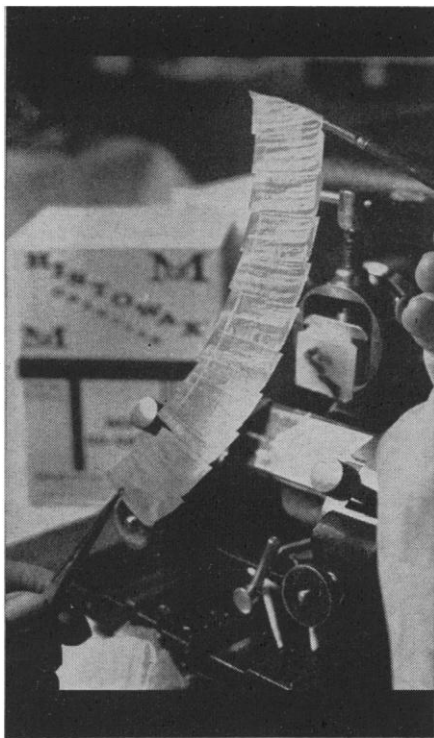
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Gilfillan, School of Science, Oregon State Univ., Corvallis)

12-14. **Excerpta Medica** Foundation, Amsterdam, Netherlands. (Headquarters, 111, Kalverstraat, Amsterdam)

12-17. American Soc. of **Hospital Pharmacists**, Miami Beach, Fla. (J. A. Oddis, 2215 Constitution Ave., NW, Washington, D.C.)

13-14. National Assoc. of **Boards of Pharmacy**, Miami Beach, Fla. (F. T. Mahaffey, 77 W. Washington St., Chicago 2, Ill.)

13-16. **Histochemistry**, intern. symp., Warsaw, Poland. (H. G. Godlewski, Inst. of Exptl. Pathology, Polish Acad. of Sciences, Dworkowa 3, Warsaw 12)

13-17. American Soc. of **Civil Engineers**, Milwaukee, Wis. (W. H. Wisely, ASCE, 345 E. 47 St., New York 17)

13-17. National League for **Nursing**, Atlantic City, N.J. (NLN, 10 Columbus Circle, New York 19)

13-18. **Condensation Nuclei**, 5th intern. symp., Clermond-Ferrand and Toulouse, France. (H. Dessens, Laboratoire de Physique du Globe, Faculté des Sciences, Univ. de Toulouse, Toulouse)

14-19. **Mass Spectroscopy**, 11th conf., San Francisco, Calif. (N. D. Coggeshall, Gulf Research and Development Co., P.O. Drawer 2038, Pittsburgh 30, Pa.)

15-17. **Transplutonium Elements**, symp., Argonne, Ill. (D. C. Stewart, Chemistry Div., Argonne Natl. Laboratory, 9700 S. Cass Ave., Argonne)

15-18. **Acoustical Soc. of America**, New York, N.Y. (W. Waterfall, American Inst. of Physics, 335 E. 45 St., New York 17)

16-17. **Aromatic Biosynthesis and Metabolism**, Saskatoon, Canada. (A. J. Finlayson, Prairie Regional Laboratory, National Research Council, Saskatoon)

16-17. **Metallurgical Problems in Electronic Technology**, New England regional conf., Boston, Mass. (Metallurgical Soc. of the American Inst. of Mining, Metallurgical, and Petroleum Engineers, 345 E. 47 St., New York 17)

16-18. International Assoc. for **Bronchology**, 13th congr., Zurich, Switzerland. (E. Steinmann, Tödstr. 36, Zurich 2)

16-18. **Diabetology**, 4th, Paris, France. (M. Rathery, Hotel-Dieu, Place du Parvis Notre Dame, Paris 4)

17-18. **Surface Physics**, symp., Pullman, Wash. (E. E. Donaldson, Dept. of Physics, Washington State Univ., Pullman)

18. Southern California **Academy of Sciences**, Los Angeles. (G. Sibley, Los Angeles County Museum, 900 Exposition Blvd., Los Angeles 7)

19-24. **Mass Spectrometry and Allied Topics**, 11th annual conf., San Francisco, Calif. (N. D. Goggeshall, Gulf Research & Development Co., P.O. Drawer 2038, Pittsburgh 30, Pa.)

20-22. Institute of Radio Engineers, Professional Group on **Microwave Theory and Techniques**, symp., Santa Monica, Calif. (I. Kaufman, Space Technology Laboratories, Inc., 1 Space Park, Redondo Beach, Calif.)

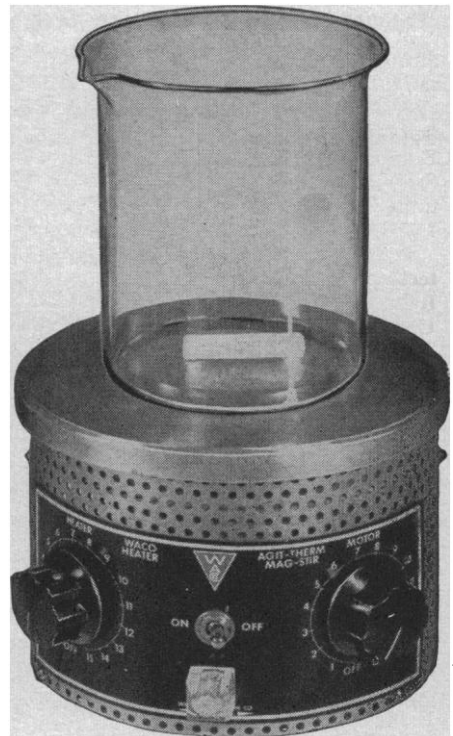
20-23. **Humidity and Moisture—Measurement and Control in Science and Industry**, intern. symp., Washington, D.C. (A. Wexler, National Bureau of Standards, Washington 25)

20-23. **Spectroscopy**, 14th annual mid-



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American symp., Chicago, Ill. (J. E. Forrette, Roy C. Ingersoll Research Center, Wolf and Algonquin Rds., Des Plaines, Ill.)

21-23. **Australian Mathematical Soc.**, Clayton, Victoria, Australia. (G. C. Smith, Dept. of Mathematics, Monash Univ., Clayton)

21-23. **Joint Computer Conf.**, Detroit, Mich. (B. W. Pollard, Burroughs Corp., 6071 Second Ave., Detroit 32)

21-23. **Radioisotopes**, 5th Japanese conf., Tokyo. (J. H. Kane, Div. of Special Projects, U.S. Atomic Energy Commission, Washington 25)

22-25. **Space**, 3rd European symp., Stuttgart, Germany. (U. Seeliger, Verkehrsamst der Stadt Stuttgart)

22-31. **Scientific and Technical Press and Books**, 1st intern. exhibition, Paris, France. (Groupe des Editeurs de Livres de Sciences et de Techniques, Syndicat National des Editeurs, Cercle de la Librairie, 117 Boulevard St. Germain, Paris 6)

23-24. **Radiosensitizers and Radioprotective Drugs**, 1st intern. symp., Milan, Italy. (R. Paoletti, Inst. of Pharmacology, Univ. of Milan, Via A. Sarto 21, Milan)

23-24. **Southern Textile Research**, 3rd conf., Pinehurst, N.C. (M. P. Underwood, P.O. Box A-2, Greensboro, N.C.)

23-25. **American Assoc. for Cancer Research**, Inc., Toronto, Canada. (H. J. Creech, Inst. for Cancer Research, Fox Chase, Philadelphia 11, Pa.)

23-25. **American Soc. for Quality Control**, Chicago, Ill. (C. E. Fisher, Bell Telephone Laboratories, 463 West St., New York 14)

23-26. **Nuclear Fuel Reprocessing**, Eurochemic symp., Brussels, Belgium. (O.E.C.D., European Nuclear Energy Agency, 38 Boulevard Suchet, Paris 16^e, France)

26-27. **Society for Industrial and Applied Mathematics**, Menlo Park, Calif. (R. D. Gaskell, Dept. of Mathematics, Oregon State Univ., Corvallis)

26-29. **Institute of Food Technologists**, Detroit, Mich. (C. L. Willey, Inst. of Food Technologists, 176 W. Adams St., Chicago 3, Ill.)

26-31. **American Physical Therapy Assoc.**, New York, N.Y. (L. Blair, APTA, 1790 Broadway, New York 19)

26-1. **Mineral Processing**, 6th intern. congr., Cannes, France. (D. A. Dahlstrom, Eimco Corp., 301 S. Hicks Rd., Palatine, Ill.)

27. **Operations Research Soc. of America**, Transportation Science Section, Cleveland, Ohio. (L. C. Edie, Port of New York Authority, 111 Eighth Ave., New York 11)

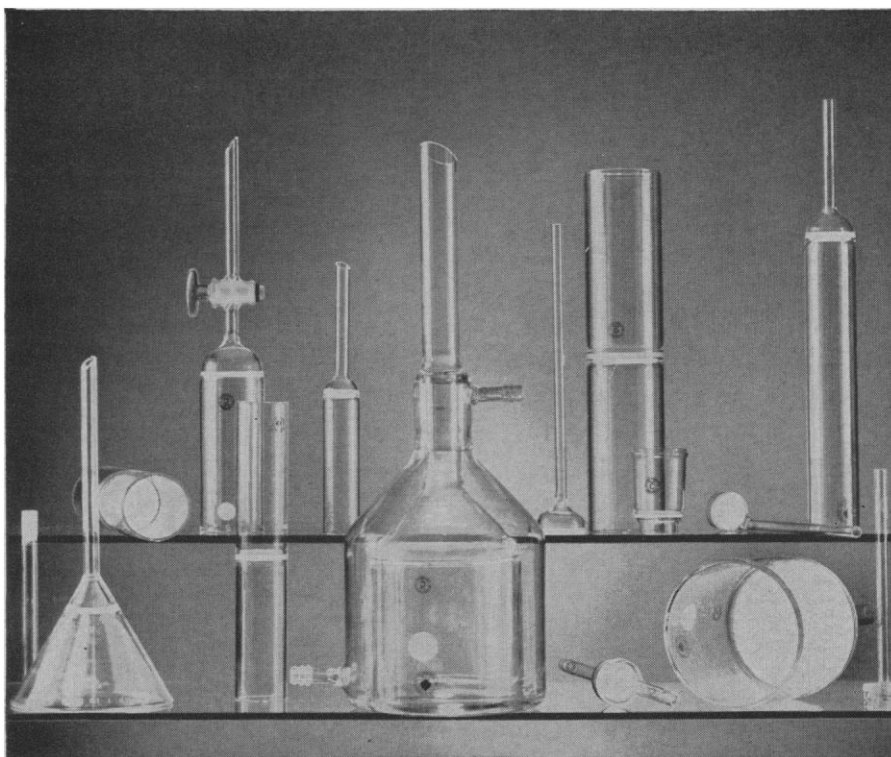
27-29. **Canadian Nuclear Assoc.**, 2nd intern. conf., Montreal, Canada. (CNA, 19 Richmond St., W., Toronto 1, Canada)

27-29. **Frequency Control**, 17th annual symp., Atlantic City, N.J. (Headquarters, U.S. Army Electronics Research and Development Laboratory, Fort Monmouth, N.J.)

27-30. **Tissue Culture Assoc.**, 14th annual, Boston, Mass. (R. L. Sidman, Laboratory of Cellular Neuropathology, Harvard Medical School, 25 Shattuck St., Boston 15)

(See 29 March issue for comprehensive list)

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