

After you read about the SAF-T-SHUNT™ System, you probably won't want to settle for anything less.

There are five sound reasons why
SAF-T-SHUNT is rapidly making
other shunt systems obsolete:

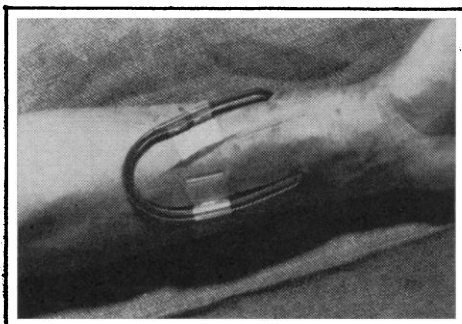
1. REDUCED JOINT SEPARATION because cannula body is limited to one piece through use of preformed curved extensions. For even better control over joint separation, a simple Teflon piece can be secured at the joint with plastic scotch tape.

2. NO SEPARATION OF SILICONE AND TEFLON PARTS. Components are etched with a non-toxic sodium compound (first advocated by Kolff) so roughened outer surface adheres better.

3. ADAPTABLE SILICONE RUBBER SHUNT BODY. Extra length permits user to adopt shunt to fit his individual requirements. Exceptionally smooth bore, smooth flowing bends.

4. SHUNT IS HELD FIRM. McDonald Silicone stabilizer, an innovation designed expressly for that purpose, also prevents tissue reaction.

5. NO CURLING OR NEED FOR SUPPORT WHEN STERILIZING. New manufacturing method permits tapered vessel tips without decreasing wall thickness of Teflon tubing. More rigid and safer.

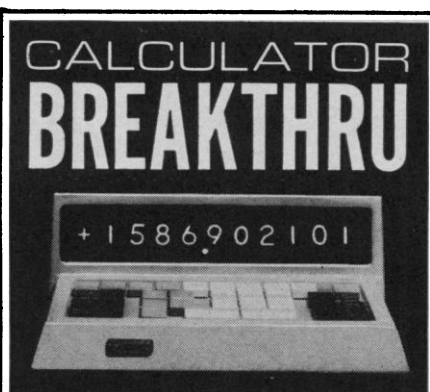


Another something better
from Extracorporeal

For free illustrated brochure write to:



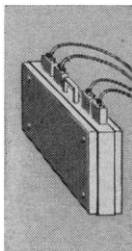
**extracorporeal
and medical specialties
company, incorporated**
ROUTE 70, MEDFORD CIRCLE
MEDFORD, N. J. 08055 U.S.A.
PHONE AREA CODE 609-654-5135



**NOW 4 WANG electronic
calculators cost less than
3 ordinary units**

New design permits simultaneous, independent operation of 4 keyboard/display consoles from a single, compact electronics package.

- Individual consoles as low as \$780
- Performs +, -, ×, ÷, X², √, e^x, log₁₀x at a single keystroke
- Available with 4 additional storage registers
- 80-step plug-in programmer available

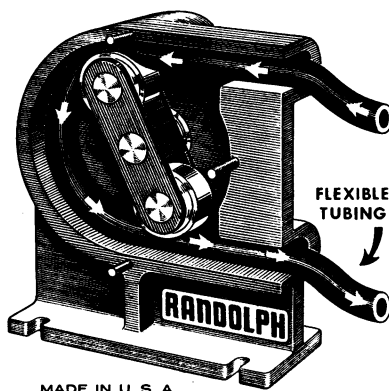


Write today for
complete information

WANG
LABORATORIES, INC.

DEPT. DD-1, 836 NORTH ST., TEWKSBURY, MASS. 01876
TEL. (617) 851-7311

The Pump That Never Gets Wet



RANDOLPH PUMP

FLUIDS FLOW THROUGH A FLEXIBLE
TUBE WITHOUT CONTACTING THE PUMP
CAPACITIES UP TO 200 GALLONS PER HOUR

Send For FREE Catalog

THE RANDOLPH COMPANY
1018 ROSINE ST. HOUSTON, TEX. 77019
Phone (Area Code 713) Jackson 6-2091

protein synthesis. This implies basic differences between insulin action on muscle and that on liver, where macromolecular synthesis has been implicated.

The conference was held under the auspices of the Interdisciplinary Communications Program of the New York Academy of Sciences, and was supported by the Office of Naval Research and the National Aeronautics and Space Administration. Murray D. Rosenberg (Minnesota) was chairman of the conference. The Academy was represented by Frank Fremont-Smith, director of the Conference Program.

LEE D. PEACHEY

*Departments of Biochemistry and
Biophysics, University of Pennsylvania,
Philadelphia*

Forthcoming Events

January

25-27. American Crystallographic Assoc., mtg., Georgia Inst. of Technology, Atlanta. (W. L. Kehl, Gulf Research and Development Co., P.O. Drawer 2038, Pittsburgh, Pa. 15230)

25-27. American Mathematical Soc., 73rd annual mtg., Houston, Tex. (The Society, P.O. Box 6248, Providence, R.I.)

25-28. American Group Psychotherapy Assoc., New York, N.Y. (Mrs. M. Schiff, 1790 Broadway, New York 10019)

26-28. Mathematical Assoc. of America, 50th annual mtg., Houston, Tex. (H. L. Alder, Univ. of California, Davis)

28-30. Radiology, southern conf., Point Clear, Ala. (M. Eskridge, P.O. Box 4097, Mobile, Ala.)

28-1. American Acad. of Allergy, Phoenix, Ariz. (J. O. Kelley, 756 North Milwaukee St., Milwaukee, Wis. 53202)

29. Mössbauer Effect Methodology, 3rd annual symp., New York, N.Y. (P. A. McNulty, New England Nuclear Corp., 575 Albany St., Boston, Mass. 02118)

29-3. Power, mtg., Power Group, Inst. of Electrical and Electronics Engineers, New York, N.Y. (E. C. Day, IEEE, 345 E. 47 St., New York 10017)

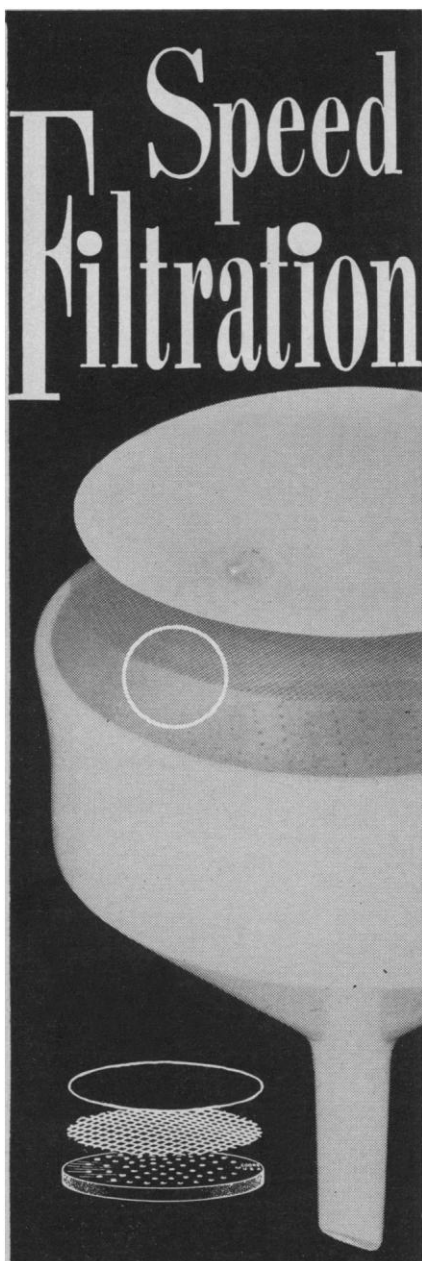
30. American Soc. of Heating, Refrigerating, and Air Conditioning Engineers, semi-annual mtg., Detroit, Mich. (Miss J. I. Szabo, 345 E. 47 St., New York)

30-1. Personnel Radiation Dosimetry, symp., Chicago, Ill. (J. H. Pingel, Argonne Natl. Laboratory, Bldg. 301, 9700 S. Cass Ave., Argonne, Ill. 60439)

30-2. American Physical Soc., annual mtg., New York, N.Y. (The Society, Executive Secretary, Columbia Univ., New York 10027)

30-2. American Assoc. of Physics Teachers, New York, N.Y. (A. B. Arons, Physics Dept., Amherst College, Amherst, Mass.)

30-3. Zodiacal Light and the Interplanetary Medium, intern. symp., Honolulu, Hawaii. (F. E. Roach, Aeronomy Lab., Inst. for Telecommunication Sci-



A Coors Shapiro Speedi Filter disc greatly increases the efficiency of Buchner funnels through the utilization of a major portion of the filter paper surface. In some filtering operations, filtration is limited to those areas of the filter paper which lie directly over the holes in the Buchner funnel plate. With the Coors Shapiro Speedi Filter disc interposed between the plate and the filter paper, you utilize completely the entire area of the filter paper. The speed of filtration is greatly increased as is the quantity of suspension which can be filtered by a single sheet of paper. What's more, the total surface is uniformly coated. Coors filter discs are immediately available through your laboratory supply dealer, in four standard sizes or in an assortment of the four sizes.

INSIST THAT YOUR LABORATORY PORCELAIN WARE CARRY THIS MARK OF DEPENDABILITY

**COORS
U.S.A.**

COORS PORCELAIN COMPANY, GOLDEN, COLORADO

232

ences and Aeronomy, Environmental Science Services Administration, Boulder, Colo. 80302)

31-2. Ciba Foundation symp. on **Cell Differentiation**, London, England. (Ciba, 41 Portland Pl., London W.1)

31-3. **Reinforced Plastics**, 22nd conf., Soc. of the Plastics Industry, Washington, D.C. (The Society, 250 Park Ave., New York 10017)

31-4. American College of **Radiology**, mtg., Los Angeles, Calif. (American College of Radiology, 20 N. Wacker Dr., Chicago, Ill.)

February

1-3. Southwestern Federation of **Geological** Soc., Hobbs, N.M. (American Assoc. of Petroleum Geologists, P.O. Box 979, Tulsa, Okla. 74101)

1-3. **Neural Regulation of Food and Water Intake**, conf., New York, N.Y. (P. J. Morgane, Communication Research Inst., 3430 Main Highway, Miami, Fla. 33133)

4-11. Pan American **Medical Women's Alliance**, 10th congr., Lima, Peru. (R. Quiroz B., Los Castanos 395, San Isidro, Lima)

5-6. American Soc. for **Testing and Materials**, natl. symp., Toronto, Ont., Canada. (ASTM, 1916 Race St., Philadelphia, Pa.)

5-10. American Soc. for **Testing and Materials**, winter mtg., Detroit, Mich. (ASTM, 1916 Race St., Philadelphia, Pa.)

6-7. **American Chemical Soc.**, 2nd Mid-Atlantic mtg., New York, N.Y. (S. M. Gerber, Ciba Co., Fairlawn, N.J. 07410)

6-8. **Flight Test, Simulation, and Support**, conf., Cocoa Beach, Fla. (Meetings Manager, American Inst. of Aeronautics and Astronautics, 1290 Sixth Ave., New York 10019)

6-8. Society of **Rheology**, winter mtg., Santa Barbara, Calif. (M. C. Shen, North American Aviation Science Center, 1049 Camino Dos Rios, Thousand Oaks, Calif. 91360)

7-8. **Sanitary Engineering**, 9th conf., Urbana, Ill. (J. H. Austin, 203 Engineering Hall, University of Illinois, Urbana 61801)

7-9. Institute of **Electrical and Electronic Engineers**, winter conv., Los Angeles, Calif. (Office of Technical Activities Board, 345 E. 47 St., New York 10017)

8-10. Canadian Inst. of **Surveying**, annual mtg., Ottawa, Ont. (Secretary, 157 McLeod St., Ottawa)

13-17. Australia-New Zealand Conf. **Soil Mechanics and Engineering**, 5th mtg., Auckland, New Zealand. (P. W. Taylor, Conf. Secretary, P.O. Box 6422, Auckland)

14-19. **Triplet State**, symp., American Univ. of Beirut, Beirut, Lebanon. (A. B. Zahlan, American Univ. of Beirut)

15-16. **Electron Probe Microanalysis**, conf., London, England. (Institute of Physic and the Physical Soc., 47 Belgrave Sq., London, S.W.1)

15-17. **Solid-State Circuits**, intern. conf., Philadelphia, Pa. (V. I. Johannes, Room 3E-323, Bell Telephone Labs., Holmdel, N.J. 07733)

15-24. **Scientific and Technical Films**, 4th intern. festival, Brussels, Belgium.

(Centre Universitaire du Film Scientifique, 50 Ave. F. D. Roosevelt, Brussels 5)

16-18. **American Educational Research Assoc.**, New York, N.Y. (L. Walters, 1201 16 St., NW, Washington, D.C. 20036)

17-18. **Thyroid**, 3rd Midwest conf., Columbia, Mo. (Executive Director, Continuing Medical Education, M-176 Medical Center, Univ. of Missouri, Columbia 65201)

18-22. American Acad. of **Allergy**, 23rd annual mtg., Palm Springs, Calif. (Executive Secretary, 756 N. Milwaukee St., Milwaukee, Wis. 53202)

19-23. American Inst. of **Mining, Metallurgical and Petroleum Engineers**, annual mtg., Los Angeles, Calif. (Executive Secretary, 345 E. 47 St., New York 10017)

19-25. **Biochemistry**, Chemical Inst. of Canada, conf., Ste. Marguerite, P.Q. (General Manager, 48 Rideau St., Ottawa 2, Ont.)

20-25. American Acad. of **Forensic Sciences**, mtg., Honolulu, Hawaii. (S. R. Gerber, 2153 Adelbert Rd., Cleveland, Ohio 44106)

21-24. **Offshore Exploration**, conf., Long Beach, Calif. (M. Richardson, Box 88, 2516 Via Tejon, Palos Verdes Estates, Calif. 90274)

22-24. **Biophysical Soc.**, 11th annual mtg., Houston, Tex. (A. Cole, M. D. Anderson Hospital, Univ. of Texas, Houston 77025)

23-25. American **Physical Soc.**, mtg., Austin, Tex. (K. K. Darrow, American Physical Soc., Columbia Univ., New York 10027)

26. **Psychoanalysis**, 5th annual conf., New York, N.Y. (D. M. Kaplan, 175 W. 12 St., New York 10011)

26-2. International **Anesthesia Research Soc.**, 41st congr., Bal Harbour, Fla. (Executive Secretary, 227 Wade Park Manor, Cleveland, Ohio 44106)

27. **Thermoanalysis**, Chemical Inst. of Canada, symp., Toronto, Ont. (H. G. McAdie, Ontario Research Foundation, Toronto, Ont.)

27-1. American **Astronautical Soc.**, mtg., Huntsville, Ala. (S. S. Hu, Northrop Space Labs., P.O. Box 1484, Huntsville)

27-1. **Fundamental Cancer Research**, 21st annual symp., Houston, Tex. (D. E. Frei, M.D., Anderson Hospital, Univ. of Texas, Houston 77025)

27-1. **Sounding Rocket Vehicle Technology**, conf., American Inst. of Aeronautics and Astronautics, Williamsburg, Va. (C. A. Sandahl, Mail Shop, 214A, NASA, Langley Station, Hampton, Va. 23365)

27-3. Australian **Dental Congr.**, 18th, Melbourne. (J. M. Newton, 53 Martin Pl., Sydney, Australia)

27-3. **High Energy Physics and Nuclear Structure**, intern. conf., Rehovoth, Israel. (M. Sela, Weizmann Inst. of Science, Rehovoth)

27-3. **Membrane Structure and Function**, symp., Chemical Inst. of Canada, Ste. Marguerite, P. Q. (K. K. Carroll, Collip Medical Research Lab., Univ. of Western Ontario, London, Ont.)

28-1. **Systems Effectiveness**, 2nd conf., Los Angeles, Calif. (A. M. Wilson, Engineering Dept., Electronic Industries Assoc., 2001 Eye St., NW, Washington, D.C. 20006)