stitute) described the RNA-directed DNA polymerase in human leukemic cells. M. R. Das (Tata Institute of Fundamental Research, Bombay) discussed the same enzyme in viruslike particles in the milk of women with breast cancer. Inder M. Verma (Massachusetts Institute of Technology) described the use of reverse transcriptase to synthesize DNA complementary to mRNA's. This may be a useful step in producing specific eukaryotic genes.

A symposium on transcription would not, perhaps, be complete without a discussion of the role of transcription in DNA replication. Sankar Mitra (Oak Ridge National Laboratory) dwelt on the transcriptional control of M13 phage DNA synthesis. R. B. Wickner (Albert Einstein College of Medicine) described two enzyme systems in E. coli which are required for conversion of fd DNA to the replicative form, in addition to DNA polymerase 2. One of these systems might involve RNA polymerase. The same was not true for φX 174 DNA. W. Szybalski (University of Wisconsin) discussed a primer RNA 81 nucleotides in length which plays a role in the initiation of phage lambda DNA replication.

R. K. MANDAL

Bose Institue, Calcutta 700009, India

Forthcoming Events

January

14-18. Biology and Chemistry of Eucaryotic Cell Surfaces Conf., 6th, Intern. Union of Biochemistry, Miami, Fla. (Miami Winter Symposia, P.O. Box 906, Biscayne Annex, Miami 33152)

14-18. International Soc. of Magnetic Resonance, 5th, Bombay, India. (D. Fiat, Weizmann Inst. of Science, Rehovot, Israel)

14-25. International Assoc. of Meteorology and Atmospheric Physics, Melbourne, Australia. (G. B. Tucker, Commonwealth Meteorology Research Centre, P.O. Box 5089AA, Melbourne 3001)

15-17. American Soc. for Surgery of the Hand, Dallas, Tex. (J. A. Boswick, Jr., 4200 E. Ninth Ave., Denver, Colo. 80220)

15-19. American Mathematical Soc., San Francisco, Calif. (E. Pitcher, Dept. of Mathematics, Lehigh Univ., Bethlehem, Pa. 18015)

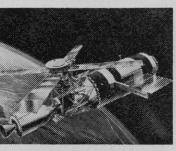
15-19. National Soc. of **Professional Engineers**, Biloxi, Miss. (P. H. Robbins, NSPE, 2029 K St., NW, Washington, D.C. 20006)

17-18. Symposium on **Blood**, 22nd, Detroit, Mich. (E. F. Mammen, Dept. of Physiology, Wayne State Univ., School

14 DECEMBER 1973



Circle No. 86 on Readers' Service Card



SKYLAB & APOLLO SLIDES & MOVIES

35mm Slides & 8mm Movies taken by astronauts on Apollo & Skylab flights are clear & sharp and sold on Money-Back Guarantee.

EARTH

8 x 10 \$ 4

COLOR PHOTOS

10
10
18
18
10
40
20
40
40
50

SKYLAB 2 & 3

K. 48 Color Slides, best of both flights . . \$20 L. 200 Ft. 8mm Movie of Skylab 2 & 3 . . \$20

16 x 20 x	20\$ 30\$	20 45	K	
	Lance			
			1	3
	Total State)	
	111			

Great Earth photo taken by Apollo 17 Astronauts. Full circle, showing continents, oceans, islands, rivers, etc.

MOVIE NEV	VSREE	LS, Box	2589-	-s
Hollywood,	Calif.	90028		

When Ordering 8mm Movies Please Specify ☐ Reg. 8 or ☐ Super 8.

☐ Enclosed find \$	send following
Name	Δddress

City, State, Zip.



Everybody talks about crisp, flat images, large field diameters, convenience and versatility.

The M-7 image is **exceptionally** crisp and **completely** flat. Compare. Field diameter with 10x eyepieces is 35.5 mm at 6x to 7.0 mm at 31x. Compare.

Enhanced operating convenience obtained with zoom power changer

(magnification ratio 5:1); unique depth of field adjustment (optional); fully rotatable body for observation from any direction.

Versatility? Large working distance for easy manipulation of diverse specimens . . . in the lab or in the factory. A range of stands for all requirements. Easy to use camera lucida. The M-7 is ideal for photomicrography with a choice of cameras, mounted on monocular tube. Look into the M-7. You'll really see

Look into the M-7. You'll really see something. Write for Data Sheet M-7.



Zoom power changer scale "V" and rotating scale with exposure factors: Once an exposure time has been found for a given power (by trial and error), the accurate exposure time for any other power is simply read off the scale, as long as object and illumination remain unchanged.

HEERBRUGG

WILD HEERBRUGG INSTRUMENTS, INC.

FARMINGDALE, NEW YORK 11735 • 516-293-7400
WILD OF CANADA, 881 LADY ELLEN PLACE, OTTAWA 3, CAN.
WILD OF MEXICO, S. A. LONDRES 256 MEXICO 6. D. F.

Huron St., Chicago 60611) 20-1. **Dermatology**, intern. conf., Nairobi, Kenya. (E. F. Finnerty, North

56, Hattiesburg, Miss. 39401)

American Clinical Dermatologic Soc., 510
Commonwealth Ave., Boston, Mass.
02215)
21-23. Hemophilia—Recent Advances
in Biochemistry. Physiology, and Therapy.

20-26. American Library Assoc., Chicago, Ill. (D. H. Clift, ALA, 50 East

of Medicine, Gordon H. Scott Hall of Basic Medical Sciences, Detroit, Mich.

17-19. International Conf. of Communications, Inst. of Electrical and Electronics

Engineers, Minneapolis, Minn. (M. S. Ulstad, ICC, P.O. Box 35366, Minneapolis

17-19. Mathematical Assoc. of America, San Francisco, Calif. (H. L. Alder, Dept. of Mathematics, Univ. of California,

19-23. American Acad. of Allergy, Bal

20-23. International Conf. on **Metric Education**, Univ. of Southern Mississippi, Biloxi. (G. Tinnon, Southern Station, Box

20-25. Regional Hospital Conf. in Latin America, 4th, Caracas, Venezuela. (Intern. Hospital Federation, Pan-American Office, 1 Farragut Square S, Washington, D.C.

Harbour, Fla. (J. O. Kelley, AAA, 225 E. Michigan St., Milwaukee, Wis. 53202) 19-24. American Acad. of Orthopaedic Surgeons, Dallas, Tex. (C. V. Heck, AAOS, 430 N. Michigan Ave., Chicago,

Davis 95616)

Ill. 60611)

20006)

in Biochemistry, Physiology, and Therapy, New York Acad. of Sciences and the Natl. Hemophilia Foundation, New York, N.Y. (G. R. Gruber, NYAS, 2 E. 63 St., New York 10021)

21–23. International Conf. on Metric Education, Biloxi-Gulfport, Miss. (G. Tinnon, Dept. of Confs. and Workshops, Southern Station, Box 56, Hattiesburg 39401)

21–25. **Highway Research** Board, Washington, D.C. (W. N. Carey, 2101 Constitution Ave., NW, Washington, D.C. 20418)

23-24. American Assoc. of Small Research Companies, Washington, D.C. (S. Z. Cardon, General Technical Services, Inc., 8794 Chester Pike, Upper Darby, Pa. 19082)

23-27. American College of Angiology, Phoenix, Ariz. (A. Halpern, ACA, 381 Park Ave., S., New York 10016)

25. **Bibliographical** Soc. of America, New York, N.Y. (C. Hover, Box 397, Grand Central Sta., New York 10017)

25-27. Southern Radiological Conf., Point Clear, Ala. (M. Eskridge, P.O. Box 7544, Mobile, Ala. 36607)

25-3. North American Conf. on Fertility and Sterility, Caracas, Venezuela. (U.S. Intern. Foundation for Studies in Reproduction, Inc., 112-44 69th Ave., Forest Hills, N.Y. 11375)

27-1. Institute of Electrical and Electronics Engineers, **Power Engineering** Soc., New York, N.Y. (J. W. Bean, Tech. IEEE, 345 E. 47 St., New York 10017)

28-30. American Inst. of Aeronautics and Astronautics, Washington, D.C. (J. J. Harford, AIAA, 1290 Avenue of the Americas, New York 10019)

28-30. Conference on Structure-Property Relationships in Thick Film and Bulk Coatings, Vacuum Metallurgy Div., American Vacuum Soc., Inc., San Francisco, Calif. (R. F. Bunshah, 6532 Boelter Hall, Univ. of California, Los Angeles 90024)

28-30. Society of Thoracic Surgeons, Los Angeles, Calif. (W. G. Purcell, STS, 111 E. Wacker Dr., Chicago, Ill. 60601)

28-1. Asia and Oceania Congr. of Endocrinology, 5th, Chandigarh, India. (G. K. Rastogi, Endocrinology Sect., Postgraduate Medical Inst., Chandigarh-11)

29-30. Academy Forum on Energy, Natl. Acad. of Sciences, Washington, D.C. (R. R. White, NAS, 2101 Constitution Ave., NW, Washington, D.C. 20418)

29-31. Reliability and Maintainability Symp., American Soc. of Mechanical Engineers, Los Angeles, Calif. (P. Drumond ASME, 345 E. 47 St., New York 10017)

29-1. Association for **Development of Computer-Based Instructional Systems**, Washington, D.C. (R. Pengov, Div. of Computing Services, Ohio State Univ. College of Medicine, 376 W. 10 Ave., Columbus, Ohio 43210)

30-1. Western **Spectroscopy** Assoc., 21st annual conf., Pacific Grove, Calif. (G. R. Haugen, L-404, Lawrence Livermore Lab., Univ. of California, Livermore 94550)

February

- 1-3. American Medical Assoc., 70th annual, Chicago, Ill. (C. H. W. Ruhe, AMA, 535 N. Dearborn St., Chicago 60610)
- 3-7. American Soc. of Heating, Refrigerating and Air-Conditioning Engineers, semiannual mtg., Los Angeles, Calif., (J. H. Cansdale, ASHRA-CE, United Engineering Center, 345 E. 47 St., New York 10017)
- 3-8. Society for Range Management, Tucson, Ariz. (F. T. Colbert, 2120 South Birch St., Denver, Colo. 80222)
- 4-7. American Physical Soc., Chicago, Ill. (W. W. Havens, Jr., APS, 335 E. 45 St., New York 10017)
- 4-7. American Assoc. of **Physics Teachers**, Chicago, Ill. (A. A. Strassenburg, AAPT, Drawer AW, Stony Brook, N.Y. 11790)
- 4-9. East African Medical Research Council Conf. on the Growth, Development and Survival of the Child in the African Environment, Kampala, Uganda. (F. Kamunvi, P.O. Box 1002, Arusha, Tanzania)
- 4-9. World Congr. of Sports Medicine, 19th, Melbourne, Australia. (A. H. Toyne, WCSM, 61 Collins St., Melbourne)
- 5-7. Interdisciplinary National Conf. on Biomedical Research Problems in a Changing World, Washington, D.C. (R. Friedenberg, Suite 807, Medi-Science, Inc., 7979 Old Georgetown Rd., Bethesda, Md. 20014)
- 6-9. American Inst. of Mining, Metallurgical and Petroleum Engineers, 77th natl., Denver, Colo. (A. R. Scott, AIMMPE, 345 E. 47 St., New York 10017)
- 7-8. Applied Vacuum Science and Technology Symp., Southeastern Regional Administrative Group, American Vacuum Soc., Tampa, Fla. (J. L. Provo, AVS,

TIAA-CREF Announces

Supplemental Retirement Annuities



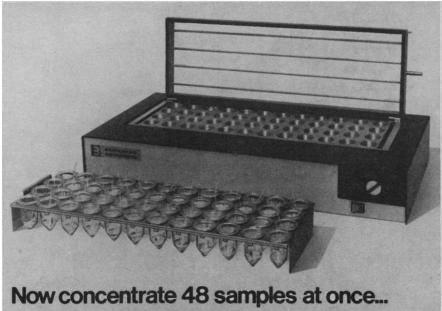
for tax-deferred annuity programs

Supplemental Retirement Annuities (SRA's) are new forms of TIAA and CREF contracts designed expressly for use by persons who want to set aside tax-deferred retirement funds over and above amounts being accumulated under their institution's basic retirement plan. They are available for employees of colleges, universities, private schools and certain other nonprofit educational organizations with tax-deferred annuity (salary-or-annuity option) programs. Through a properly drawn agreement with their institution, staff members may divert part of their compensation before taxes to the purchase of these new contracts.

And SRA's are cashable at any time. This means that if the money accumulated by salary reduction is needed before retirement, the SRA contracts can be surrendered for their cash value. Benefits, whether payable in cash or as income, are taxable as ordinary income when received.

For more information and answers to questions send for your copy of the booklet on Supplemental Retirement Annuities.

Send me TIAA-CRE	a booklet d F Suppleme	escribing ental Retirement An	nuities.
Name			
Address _	Stree	t	
	City	State	Zip
Nonprofit Employer	•		



Brinkmann's new Sample Concentrator SC/48 accommodates up to 48 evaporation tubes in a stainless steel rack, eliminating handling of individual samples.

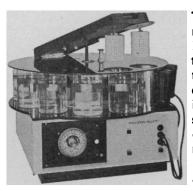
Concentration is by means of heat and vacuum, combined with an air current directed into each sample. A glass cover prevents fumes from escaping and permits use of nitrogen atmosphere. Solid-state circuitry, with a temperature range adjustable from 30 to 100°C. Ideal for drug screening extractions, column chromatography, liquid scintillation and many other procedures.

For literature, write: Brinkmann Instruments, Cantiague Rd., Westbury, N.Y. 11590. In Canada, write: Brinkmann Instruments (Canada) Ltd., 50 Galaxy Blvd., Rexdale (Toronto), Ont.



Circle No. 83 on Readers' Service Card

NOW...UP TO 72 TISSUES PROCESSED AT ONE TIME



The Shandon-Elliott Duplex Automatic Tissue Processor cycles two baskets, each holding up to 36 tissues, through a series of equal immersion-time routines requiring up to 12 processing stations. Equal-time routines involving less than 12 stations can be started at any point. Or the machine can process up to 36 tissues for special routines. Other features include 24-hour timer, delayed action, automatic agitation, and a third hot wax bath unit.

Send for literature and prices to Shandon Southern Instruments, Inc., 515 Broad Street, Sewickley, Pa. 15143 (Pittsburgh District).



PITTSBURGH . LONDON . FRANKFURT

P.O. Box 11508, St. Petersburg, Fla. 33733)

7-9. World Population Soc., Inst. for Global Dynamics, Washington, D.C. (C. M. Cargille, WPS Soc., American Univ., Washington, D.C. 20016)

9-14. Environmental Engineering in Food Industry, 4th conf., Pacific Grove, Calif. (Engineering Foundation, 345 E. 47 St., New York 10017)

10-16. American Soc. of Contemporary Medicine and Surgery, Miami Beach, Fla. (V. Kendall, Room 1506, 30 N. Michigan Ave., Chicago, Ill. 60602)

10-16. American Soc. of Contemporary Ophthalmology, Miami Beach, Fla. (V. Kendall, Room 1506, 30 N. Michigan Ave., Chicago, Ill. 60602)

11-14. American College of Cardiology, New York, N.Y. (W. D. Nelligan, ACC, 9650 Rockville Pike, Bethesda, Md. 20014)

11-14. Symposium on Physical Exercise in Health and Disease, Wellington Postgraduate Medical Soc., Inc., Wellington, New Zealand. (WPMS, Inc., Wellington Hospital, Wellington)

12-14. Aerospace and Electronic Systems Conf., Inst. of Electrical and Electronic Engineers, Los Angeles, Calif. (Los Angeles Council Office, 3600 Wilshire Blvd., Los Angeles 90010)

12-14. Computer Science Conf., Assoc. for Computing Machinery, Detroit, Mich. (S. J. Wolfson, CSC, Computer Sciences Section, Wayne State Univ., Detroit 48202)

12-14. International Inst. for Sugar Beet Research, 37th winter congr., Brussels, Belgium. (O. J. Kint, Baudouinstraat 150, Tienen, Belgium)

13-15. Society of Photographic Scientists and Engineers, Houston, Tex. (R. H. Wood, SPSE, 1330 Massachusetts Ave., NW, Washington, D.C. 20005)

13-15. International Solid State Cir-

13-15. International Solid State Circuits Conf., Inst. of Electrical and Electronic Engineers, Philadelphia, Pa. (Office of Technical Activities Board, IEEE, 345 E. 47 St., New York 10017)

13-16. American Acad. of Forensic Sciences, Dallas, Tex. (H. L. Kimball, P.O. Box 302, New Hartford, Conn. 06057)

13-16. National Assoc. of Medical Examiners, Dallas, Tex. (W. G. Ecker, Laboratory, St. Francis Hospital, Wichita, Kan. 67214)

14-16. Society of University Surgeons, St. Louis, Mo. (E. W. Fonkalsrud, Dept. of Surgery, Univ. of California Medical Center, Los Angeles 90024)

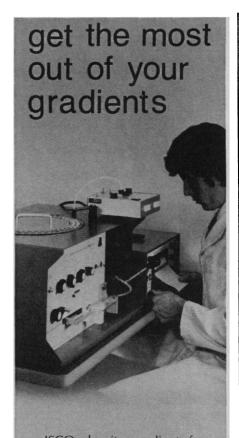
14-18. American Group Psychotherapy Assoc., New York, N.Y. (M. Keefe, AGPA, 1865 Broadway, New York 10023)

15-20. Biofeedback Research Soc., 5th annual mtg., Colorado Springs, Colo. (F. Butler, Dept. of Psychiatry, #202, Univ. of Colorado Medical Center, 4200 E. Ninth Ave., Denver 80220)

19-23. American College of Surgeons, San Juan, P.R. (S. H. Fromm, 117 San Pedro, Urb. Horizon, Rio Piedras, P.R. 00926)

20-23. Society of Professors of Education, Chicago, Ill. (R. E. Bayles, School of Education, Atlanta Univ., Atlanta, Ga. 30314)

21-23. Texas Junior College Teachers



ISCO density gradient fractionators produce a continuous absorbance profile as the gradient is fractionated into a built-in collector. Zones undetectable by other methods are easily resolved and their exact locations plotted. Any size centrifuge tube can be quantitatively scanned at two wavelengths and fractionated with or without piercing.

The Model 570 gradient former sequentially produces up to 22 absolutely identical linear or curved gradients of any size from 3 to 80 ml. Gradient size and shape are precisely and reproducibly determined by differential pumping.

In addition to these instruments, our general catalog describes gradient pumps and scanners for zonal rotors, plus instrumentation for liquid chromatography and electrophoresis. Send for your copy



Assoc., San Antonio. (G. Burrier, TJCTA, South Plains College, Levelland, Tex. 79336)

23-28. American Inst. of Mining, Metallurgical and Petroleum Engineers, Dallas, Tex. (J. B. Alford, AIMMPE, 345 E. 47 St., New York 10017)

24-26. Canadian Ceramic Soc., Montreal, P.Q. (H. L. Taylor, Suite 110, 2175 Sheppard Ave., Willowdale, Ont., Canada)

24-28. Medical Soc. of the State of New York, New York. (H. I. Fineberg, 420 Lakeville Rd., Lake Success, N.Y. 11040)

24-1. American Association for the Advancement of Science, annual mtg., San Francisco, Calif. (E. Zeutschel, AAAS Meetings Office, 1515 Massachusetts Ave., NW, Washington, D.C. 20005)

25-27. Physical Electronics Conf., 34th annual, American Physical Soc., Murray Hill, N.J. (H. D. Hagstrum, Bell Labs., 600 Mountain Ave., Murray Hill 07974)

25-2. American Nature Study Soc., San Francisco, Calif. (B. McKnight, Faculty of Education, State University College, New Paltz, N.Y. 12561)

26-28. Flow Measurements as Related to National Needs Conf., Mechanics Div., Inst. for Basic Standards, and Natl. Bureau of Standards, Gaithersburg, Md. (L. K. Irwin, Mechanics Div., Physics Bldg. B214, Natl. Bureau of Standards, Washington, D.C. 20234)

26-1. Climatic Impact Assessment Program, 3rd conf., U.S. Dept. of Transportation, Cambridge, Mass. (E. F. Rice, Code AMR, Transportation Systems Center, Kendall Sq., Cambridge 02142)

26-1. Symposium on Fundamental Cancer Research, 27th, Houston, Tex. (J. Brandenberg, M.D. Anderson Hospital and Tumor Inst., Houston 77025)

27-2. Association for Children with Learning Disabilities, 11th annual intern. conf., Houston, Tex. (L. I. Lock, ACLD, 2200 Brownsville Rd., Pittsburgh, Pa. 15210)

27-2. Pediatric Neurology and Neurosurgery, intern. mtg., Mexico City, Mexico (F. Rueda-Franco, Neurology and Neurosurgery Service, Hospital de Niño IMAN, Ave., Insurgentes Sur 3700-C, Mexico, 22, D.F.)

March

1-3. Student American Medical Assoc., Dallas, Tex. (C. C. Hewitt, 1400 Hicks Rd., Rolling Meadows, Ill. 60008)

1-8. American Soc. of Clinical Pathologists, Los Angeles, Calif. (J. Graves, Intersociety Committee on Pathology Information, Inc., 9650 Rockville Pike, Bethesda, Md. 20014)

2-6. California Medical Assoc., San Francisco. (R. L. Thomas, 693 Sutter St.,

San Francisco 94102)

3-9. Noah Worcester Dermatological Soc., Marco Island, Fla. (H. Poltnick, 1553 Woodward, Detroit, Mich. 48226)

4-8. Medical Data Processing Symp., French Inst. for Research in Information and Automation, Toulouse. (E. E. Van Brunt, Project Chief, Medical Data System, Medical Methods Research, 3779 Piedmont Ave., Oakland, Calif. 94611)

5. Computerized Laboratory Systems Symp. American Soc. for Testing and Materials, Cleveland, Ohio. (J. B. Wheeler, ASTM, 1916 Race St., Philadelphia, Pa. 19103)

6-7. Conference on Use of Wastewater in the Production of Food and Fiber, Oklahoma City, Okla. (R. L.-R. Carpenter, Oklahoma State Dept. of Health, NE 10th and Stonewall, Oklahoma City

7-8. American Psychopathological Assoc., 64th annual, Boston, Mass. (J. Cole, Boston State Hospital, 591 Morton St., Boston 02124)

7-9. Central Surgical Assoc., Cincinnati, Ohio. (A. J. Walt, 540 E. Canfield Ave., Detroit, Mich. 48201)

9-12. American Assoc. of Pathologists and Bacteriologists, San Francisco, Calif. (A. J. French, 1335 E. Catherine St., Ann Arbor, Mich. 48104)

9-16. International Acad. of Pathology, San Francisco, Calif. (L. D. Stoddard, Medical College of Georgia, Augusta

30902)

10-14. International Anesthesia Research Soc., 48th congr., San Francisco, Calif. (B. B. Sankey, 3645 Warrensville Center Rd., Cleveland, Ohio 44122)

10-14. Society of Toxicology, Washington, D.C. (R. A. Scala, Medical Research Div., Esso Research and Engineering Co., Linden, N.J. 07036)

10-15. American Soc. of Photogrammetry, St. Louis, Mo. (L. P. Jacobs, 105 Virginia Ave., Falls Church, Va. 22046)

11-14. American Soc. of Neurochemistry, 5th annual, New Orleans, La. (S. H. Appel, Duke Univ. Medical Center, Durham, N.C. 27706)

11-15. Symposium on Isotope Techniques in Groundwater Hydrology, Intern. Atomic Energy Agency, Vienna, Austria. (J. H. Kane, Office of Information Services, U.S. Atomic Energy Commission, Washington, D.C. 20545)

12-14. National Federation of Abstracting and Indexing Services, Chicago, Ill. (S. Keenan, NFAIS, 3401 Market St.,

Philadelphia, Pa. 19104)

13. Symposium on Sickle Cell Anemia and Other Hemoglobinopathies-Teaching Day in Hematology, Research Foundation of the State Univ. of New York, Brooklyn, N.Y. (B. Kearney, Box 20, Downstate Medical Center, 450 Clarkson Ave., Brooklyn 11203)

13-15. American Acad. of Occupational Medicine, San Francisco, Calif. (J. M. MacMillan, Reynolds Metals Co., P.O. Box 27003, Richmond, Va. 23261)

15-19. National Science Teachers Assoc., Chicago, Ill. (R. H. Carleton, NSTA, 1201 16th St., NW, Washington, D.C. 20036)

17-20. American Assoc. of **Dental** Schools, Atlanta, Ga. (B. F. Miller, AADS, 1625 Massachusetts Ave., NW, Washington, D.C. 20036)

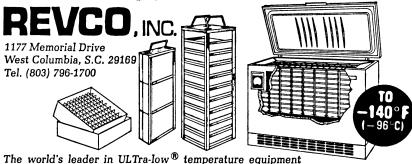
20-22. International Topical Conf. on Tetrahedrally Bonded Amorphous Semiconductors, Yorktown Heights, N.Y. (M. H. Brodsky, IBM Corp., T. J. Watson Research Center, Yorktown Heights, 10598)

21-22. Symposium on the Preventability of Perinatal Injury, Natl. Foundation-March of Dimes, New York, N.Y. (Coordinator, SPPI, NF-MD, 315 Park Ave., S., New York 10010)

21-23. Florida Acad. of Sciences, Or-

Revco is More than a freezer... It's a System.

You get more than dependable ULTra-low® temperature when you buy a Revco freezer. We adapt the freezer to your particular use through the proper accessories from our inventory control systems. Let us show you how Revco provides the total answer to your ULTra-low® temperature needs. Available in sizes from 1-1/2 to 25 cubic feet, including the standard 6.5, 9, 12 and 17 cubic foot sizes, in chest models and upright.



Circle No. 80 on Readers' Service Card



lando. (I. Foster, Eckert College, St.

Petersburg, Fla.)
21-23. Mississippi Acad. of Sciences, Biloxi. (C. L. Dodgen, University Medical Center, Jackson, Miss. 39216)

21-24. International Assoc. for Dental Research, North American Div., Atlanta, Ga. (A. R. Frechette, IADR, 211 E. Chicago Ave., Chicago, Ill. 60611)

22-23. Michigan Acad. of Science, Arts and Letters, East Lansing. (D. Stokes, 1006 Rackham Bldg., Univ. of Michigan, Ann Arbor 48104)

25-26. State Medical Soc. of Wisconsin, Milwaukee. (E. R. Thayer, Box 1109, Madison, Wis. 53701)

25-28. American College of Surgeons, Houston, Tex. (E. W. Gerrish, ACS, 55 E. Erie St., Chicago, Ill. 60611)

25-28. Institute of Electrical and Electronics Engineers, New York, N.Y. (D. G. Fink, IEEE, 345 E. 47 St., New York 10017)

25-29. Molecular Biology and Mechanisms of Virus Disease, winter confs., Intern. Chemical and Nuclear Corp. and the Univ. of California at Los Angeles, Squaw Valley, Calif. (Conf. Office, Virus Research, c/o Dept. of Bacteriology, Univ. of California, Los Angeles 90024)

26-27. Reducing Fuel Consumption and Emissions by Combustion Modifications, Central States Section, Combustion Inst., Madison, Wis. (G. Borman, Univ. of Wisconsin, 1513 University Ave., Madison 53706)

27. American Soc. of Clinical Oncology, Houston, Tex. (A. Evans, Children's Hospital of Philadelphia, 1740 Bainbridge St., Philadelphia 19146)

27-29. Nuclear Structure and High Energy Physics Conf., Inst. of Physics, Glasgow, Scotland. (IP, 47 Belgrave Sq., London, SW1X 8QX, England)

27-29. Textile Research Inst., 44th annual, New York, N.Y. (TRI, 601 Prospect Ave., P.O. Box 625, Princeton, N.J. 08540)

28-29. American Board of Medical Specialties, Chicago, Ill. (J. C. Nunemaker, Suite 1160, 1603 Orrington, Evanston 60201)

28-30. American Assoc. for Cancer Research, 65th annual, Houston, Tex. (H. J. Creech, AACR, Inst. for Cancer Research, Fox Chase, Philadelphia, Pa. 19111)

28-30. South Carolina Acad. of Science, Hartsville. (J. M. Barry, College of General Studies, Univ. of South Carolina, Columbia 29208)

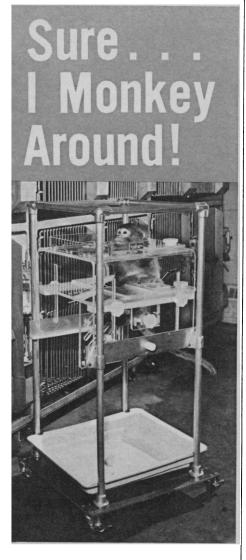
29-30. New England Bioengineering Conf., 2nd annual, American Soc. of Engineering Education and the Inst. of Electrical and Electronics Engineers, Worcester, Mass. (R. A. Peura, Worcester Polytechnic Inst., Worcester 01609)

29-31. American Psychosomatic Soc., 31st, Philadelphia, Pa. (D. Oken, 265 Nassau Rd., Roosevelt, N.Y. 11575)

29-31. Seismological Soc. of America, Las Vegas, Nev. (W. K. Cloud, SSA, P.O.

Box 826, Berkeley, Calif. 94701) 29-31. National Wildlife Federation, Denver, Colo. (T. L. Kimball, NWF, 1412 16th St., NW, Washington, D.C. 20036)

29-3. American Soc. of Abdominal Surgeons, Las Vegas, Nev. (B. F. Alfano, 675 Main St., Melrose, Mass. 02176)



PLAS LABS.

But, not when I'm in the Plas-Labs Rhesus Restraint System. I know that when I'm put in the Plas-Labs chair it's time to perform. And it's not hard to do my job, because the Plas-Labs chair is comfortable and adjustable from all angles. My primate handler tells me it's the easiest chair he has ever operated and he can put me to work by himself. I don't mind acute or chronic studies as long as they let me work in the Plas-Labs chair. So, don't monkey around—when it's time for your primate to perform, give him the best seat in the house.

For more information and their catalog, write or call Plas-Labs. I know them and they are a growing company of innovative people to meet your needs in animal restraint systems and specialized plastic research equipment. Plas-Labs, 917 East Chilson, Lansing, Michigan 48906. Phone (517) 372-7177.

Circle No. 89 on Readers' Service Page

PLAS■**LABS**_®

30-4. Gas Turbine Conf., American Soc. of Mechanical Engineers, Zurich, Switzerland. (M. Churchill, ASME, 345 E. 47 St., New York 10017)

31-3. International Soc. for Experimental Hematology, 3rd, Houston, Tex. (J. J. Trentin, Div. of Experimental Biology, College of Medicine, Texas Medical Center, Houston 77025)

31-5. American College of Physicians, New York, N.Y. (E. C. Rosenow, Jr., 4200 Pine St., Philadelphia, Pa. 19104)

April

1-3. American Assoc. of **Petroleum Geologists**, San Antonio, Tex. (T. L. Bear, Bear & Kistler, 1052 W. 6 St., Los Angeles, Calif. 90017)

1-3. Society of Economic Paleontologists and Mineralogists, San Antonio, Tex. (R. Tener, Box 979, Tulsa, Okla. 74101)

1-4. American Assoc. of Anatomists, Cleveland, Ohio. (J. E. Pauly, Univ. of Arkansas, School of Medicine, Little Rock 72201)

1-4. Industrial Water and Pollution Conf., Water and Wastewater Equipment Manufacturers Assoc., Detroit, Mich. (R. C. Hughes, WWEMA, 744 Broad St., Newark, N.J. 07102)

1-4. Geochemical Exploration, 5th intern. symp., Vancouver, B.C., Canada. (J. J. Barakso, Mineral Environment Labs. Ltd., 705 W. 15 St., North Vancouver)

1-5. Farm and Agricultural Industries, 11th intern. conf., Intern. Commission of Agriculture and Food Industries and the Greek Chemists' Assoc., Athens. (L. de Saint Rat, ICAFI, 24, rue de Teheran, 75008 Paris, France)

1-5. American College of Radiology, New Orleans, La. (W. C. Stronach, ACR, 20 N. Wacker Dr., Chicago, Ill. 60606)

2-4. Fast Reactor Safety Conf., American Nuclear Soc., Beverly Hills, Calif. (J. B. Moore, Southern California Edison, P.O. Box 800, Rosemead, Calif. 91770)

2-4. Mechanical Properties of Materials at High Rates of Strain, Inst. of Physics, Oxford, England. (J. Harding, Dept. of Engineering Science, Parks Rd., Oxford, OX1 3PJ)

2-5. American College Health Assoc., Dallas, Tex. (J. W. Dilley, 2807 Central St., Evanston, Ill. 60201)

3-4. Railroad Conf., American Soc. of Mechanical Engineers and Inst. of Electrical & Electronics Engineers, Pittsburgh, Pa. (E. K. Farrelly, Port Authority of New York and New Jersey, World Trade Center, New York 10047)

3-4. Metal Semiconductor Contacts Conf., Inst. of Physics, Manchester, England. (Meetings Officer, IP, 47 Belgrave Sq., London, SW1X 8QX, England)

3-5. American Soc. for Artificial Internal Organs, Chicago, Ill. (K. K. Burke, ASA10, Box 777, Boca Raton, Fla. 33432)

3-7. International Union of Angiology Congr., 9th, Florence, Italy. (F. Pratesi, Via della Robbia 5, Florence 50132)

4-7. American Fertility Soc., Miami, Fla. (H. H. Thomas, 1801 Ninth Ave., S. Birmingham, Ala. 35205)

4-7. Missouri State Medical Assoc., Kansas City. (R. McIntyre, P.O. Box 1028, Jefferson City, Mo. 65101)



you can copy, crop, correct, enlarge or reduce; make film strips or internegatives from transparencies up to 4 x 5 faster than we can tell you about it.

The Illumitran, technically far ahead of anything in its field, is the quickest, simplest and most economical means of producing top quality duplicate transparencies.

Reason? The guesswork is taken out of the operation by an automatically controlled variable intensity electronic flash which provides a repeatable, constant color temperature light source. [No more guessing exposure or lens apertures.] A coupled, direct reading meter assures consistent exposure compensation for copying originals of varying density or for color balancing filters.

The Illumitran isn't just for 1:1 copies on 35mm film. Using your own camera you can reduce or enlarge at will, copy originals up to 4×5 in size; make sectional blowups, internegatives or superpositions.



Maybe there's a job the Illumitran can do for you. Ask your dealer about it or drop us a line, we'll send you a brochure and magazine articles which may give you some useful ideas.

BOGEN PHOTO CORP.

100 So. Van Brunt St., P.O. Box 448 Englewood, N.J. 07631 Circle No. 90 on Readers' Service Card 5-6. Alabama Acad. of Science, Birmingham. (D. Costes, Science Dept., Troy State Univ., Troy 36081)

5-6. American **Burn** Assoc., Cincinnati, Ohio. (A. R. Dimick, Dept. of Surgery, Univ. of Alabama, University Station, Birmingham 35294)

7-10. Conference on Environmental Acoustics, American Soc. for Testing and Materials, Columbus, Ohio. (J. McFadden, ASTM, 1916 Race St., Philadelphia, Pa. 19103)

7-12. American Assoc. of **Immunologists**, Atlantic City, N.J. (H. Metzger, AAI, 9650 Rockville Pike, Bethesda, Md. 20014)

7-12. American Physiological Soc., Atlantic City, N.J. (R. G. Daggs, APS, 9650

Rockville Pike, Bethesda, Md. 20014) 8-10. Engineering Aspects of Magnetohydrodynamics Symp., Tullahoma, Tenn. (Y. C. L. Wu, Energy Conversion Research Div., Univ. of Tennessee Space Inst., Tullahoma 37388)

8-11. European Sleep Research Soc., 2nd congr., Rome, Italy. (W. P. Koella, Ciba-Geigy AG, K 125/1109, 4002 Basel, Switzerland)

8-12. American Soc. for Experimental Pathology, Atlantic City, N.J. (G. B. Mider, ASEP, 9650 Rockville Pike, Bethesda, Md. 20014)

8-12. International Symp. on Wound Healing, Rotterdam, Netherlands. (Secretary, Holland Organizing Centre, 16 Lange Voorhout, The Hague, Netherlands)

8-12. American Orthopsychiatric Assoc., San Francisco, Calif. (M. F. Langer, AOA, 1790 Broadway, New York 10019)

8-12. American Soc. for Pharmacology and Experimental Therapeutics, Atlantic City, N.J. (E. B. Cook, ASPET, 9650 Rockville Pike, Bethesda, Md. 20014)

9-11. Thin Films, 8th conf., Inst. of Physics, Sussex, England. (Meetings Officer, 1P, 47 Belgrave Sq., London, SWIX 8QX, England)

9-13. James Ewing Soc., Honolulu, Hawaii. (A. S. Ketcham, Clinical Center 10N116, Natl. Cancer Inst., Bethesda, Md. 20014)

10-13. Tennessee Medical Assoc., Gatlinburg. (J. E. Ballentine, TMA, 112 Louise Ave., Nashville, Tenn. 37203)

11-13. Southern Soc. for Philosophy and Psychology, Tampa, Fla. (M. Loeb, Psychology Dept., Univ. of Louisville, Louisville, Ky. 40208)

11-13. American Assoc. of Physical Anthropologists, Amherst, Mass. (G. J. Armelagos, Dept. of Anthropology, Univ. of Massachusetts, Amherst 01002)

12. Utah Acad. of Sciences, Arts, and Letters, Salt Lake City. (H. Buchanan, Dept of Botany, Weber State College, Ogden, Utah 84403)

12-13. Colorado-Wyoming Acad. of Science, Laramie, Wyo. (J. T. Windell, Dept. of Biology, Univ. of Colorado, Boulder 80302)

14. Conference on Structure and Cognition: The Mutual Relevance of Structural Anthropology and Cognitive Anthropology, Geneseo, N.Y. (G. Erchak, Dept. of Anthropology, State University of New York College at Geneseo, Geneseo 14454)

15-17. American Assoc. of Planned Parenthood Physicians, Memphis, Tenn. (G. Covington, AAPPP, 810 Seventh Ave., New York 10019)

15-17. Society of Head and Neck Surgeons, Honolulu, Hawaii. (W. A. Maddox, 944 S. 18 St., Birmingham, Ala. 35205)

15-18. Pharmacology of Thermoregulation, 2nd intern. symp., Paris, France. (P. Lomax, Dept. of Pharmacology, Univ. of California Medical School, Los Angeles 90024)

15-19. American Education Research Assoc., Chicago, Ill. (R. A. Dershimer, AERA, 1126 16th St., NW, Washington, D.C. 20036)

15-20. National Council of Teachers of Mathematics, Atlantic City, N.J. (J. D. Gates, NCTM, 1201 16th St., NW, Washington, D.C. 20036)

16-18. Technology of Controlled Nuclear Fusion Conf., American Nuclear Soc., San Diego, Calif. (G. R. Hopkins, Gulf General Atomic, P.O. Box 608, San Diego 92112)

16-19. International Conf. on Electron Spectroscopy, Namur, Belgium. (Conf. Office, Lab. de Spectroscopie Electronique, Facultes Univ., rue de Bruxelles, 61, B-500 Namur)

16-21. American College of Allergists, Paris, France. (E. Bauers, 2100 Dain Tower, Minneapolis, Minn. 55402)

17-18. American Geriatrics Soc., Toronto, Ont., Canada. (E. Henderson, AGS, Room 1470, 10 Columbus Circle, New York 10019)



The MultiGen is a low cost culture apparatus designed for the control of all basic environmental conditions: temperature, agitation, aeration, pH, and dissolved O₂. Whether the need is for viscous microbial cultures or animal cell suspensions, air sparging or gas overlay, the MultiGen can be adapted to specific research requirements, and can provide an ideal alternative to spinner flask procedures.

Virtually every component is supplied in one compact assembly; glassware, tubing, penetrations, air filter and sampler. It even has its own built-in air pump, heating system, and facilities for cooling, as well as a choice of agitation systems. The impellers are magnetically coupled to eliminate contamination.

ASK FOR BULLETIN F1000/S1273



NEW BRUNSWICK SCIENTIFIC CO., INC.

1130 SOMERSET ST., NEW BRUNSWICK, N. J. 08903 201 • 846-4600
With NBS, Advanced Technology is a Way of Life.