secke, Alva Mitchell, Henry Cecil Spencer, and Ivan Leroy Hill. Macmillan, New York, ed. 5, 1967. 892 pp. Illus. \$9.95.

The Technocrats: Prophets of Automation. Henry Elsner, Jr. Syracuse Univ. Press, New York, 1967. 262 pp. Illus. \$7.

The Theory of Neutron Slowing Down in Nuclear Reactors. Joel H. Ferziger and P. F. Zweifel. M.I.T. Press, Cambridge, Mass., 1966. 317 pp. Illus. \$13.50.

The Theory of Spinors. Elie Cartan,

The Theory of Spinors. Elie Cartan, Translated from the French edition (Paris, 1938). M.I.T. Press, Cambridge, Mass., 1966. 167 pp. \$7.

Toxicants Occurring Naturally in Foods. Food Protection Committee. William J. Darby, Chairman. Nat. Acad. of Sciences-Nat. Research Council, Washington, D.C., 1966. 309 pp. Illus. \$6. Twenty-six papers.

Toward Effective Counseling and Psychotherapy: Training and Practice. Charles B. Truax and Robert R. Carkhuff. Aldine, Chicago, 1967. 432 pp. Illus. \$10.75. Modern Applications in Psychology.

The Toxicology of Radioactive Substances. vol. 3, *Iron-59*. A. A. Letavet and E. B. Kurlyandskaya, Eds. Translated from the Russian edition (Moscow, 1962) by R. E. Travers. Pergamon, New York, 1967. 196 pp. Illus. \$9.

Trachoma: Prevention and Treatment. Giambattista Bietti and Georges H. Werner. Thomas, Springfield, Ill., 1967. 243 pp. Illus. \$11.50. American Lecture Series.

Transitions and Relaxations in Polymers.

A symposium (Atlantic City, N.J.), September 1965. Sponsored by American Chemical Society. Raymond F. Boyer, Ed. Interscience (Wiley), New York, 1967. 348 pp. Illus. Paper, \$13. Journal of Polymer Science, No. 14, pt. C, Polymer Symposia. Twenty-three papers.

Trap-Nesting Wasps and Bees: Life Histories, Nests, and Associates. Karl V. Krombein. Smithsonian Press, Washington, D.C., 1967. 576 pp. Illus. \$12.50.

The Uptake and Storage of Noradrenaline in Sympathetic Nerves. Leslie L. Iversen. Cambridge Univ. Press, New York, 1967. 267 pp. Illus. \$11.

Variety of Men. C. P. Snow. Scribner, New York, 1967. 282 pp. \$5.95. Personal impressions of nine men.

Vector Measures. N. Dinculeanu. Deutscher Verlag der Wissenschaften, Berlin; Pergamon, New York, 1967. 445 pp. \$17.50.

Vegetation Mapping. A. W. Küchler. Ronald, New York, 1967. 478 pp. Illus. \$15.

Vehicular Traffic Science. Proceedings of the Third International Symposium on the Theory of Traffic Flow (New York), June 1965. Leslie C. Edie, Robert Herman, and Richard Rothery, Eds. Elsevier, New York, 1967. 383 pp. Illus. \$16. Fortyfive papers.

Viruses and Molecular Biology. Dean Fraser. Macmillan, New York, 1967. 128 pp. Illus. Paper, \$1.95.

Vitamins and Hormones: Advances in Research and Applications. vol. 24. Rob-

ert S. Harris, Ira G. Wool, and John A. Loraine, Eds. Academic Press, New York, 1966. 764 pp. Illus. \$16. Twenty-nine papers.

Weather. Armand N. Spitz. Bantam Books, New York, 1967. 160 pp. Illus. Paper, 60ϕ .

Wheels. Wilfred Owen, Ezra Bowen, and the Editors of Life, Time Inc., New York, 1967. 200 pp. Illus.: \$3.95 Life Science Library.

White Grubs and Their Allies: A Study of North American Scarabaeoid Larvae. Paul O. Richter. Oregon State Univ. Press, Corvallis, 1966. 219 pp. Illus. \$10. Studies in Entomology, No. 4.

A World History. William H. McNeill, Oxford Univ. Press, New York, 1967. 492 pp. Illus. \$9.75.

World Regional Geography. Oliver H. Heintzelman and Richard M. Highsmith, Jr. Prentice-Hall, Englewood Cliffs, N.J., ed. 3, 1967. 468 pp. Illus. \$8.95.

Worlds to Come. Damon Knight, Ed. Harper and Row, New York, 1967. 351 pp. \$4.95. Nine science fiction adventures.

X-Ray Methods in the Study of Defects in Single Crystals. J. Auleytner. Translated from the Polish edition (Warsaw, 1964) by Janusz Leciejewicz. PWN—Polish Scientific Publishers, Warsaw; Pergamon, New York, 1967. 274 pp. Illus. \$10.

The Zambesian Past: Studies in Central Africian History. Eric Stokes and Richard Brown, Eds. Humanities Press, New York, 1966. 463 pp. Illus. \$8. There are 16 papers.





MELPAR

Step up

Where Performance Comes

FIRST

SENIOR SCIENTIST OPENINGS.

as follows, are available in our new Laboratories, for persons holding Ph.D's and Master Degrees:

BIOCHEMISTS

IMMUNOLOGISTS

IMMUNOCHEMISTS

PHARMACOLOGISTS

TOXICOLOGISTS

BACTERIOLOGISTS

VIROLOGISTS

PHYSIOLOGISTS

CELL BIOLOGISTS

MELPAR, an expanding and progressive industrial research organization, celebrating 22 years in space and defense, has dynamic growth programs in Life Sciences and Life Support systems.

Qualified persons who are interested in participating in challenging projects ranging from basic research to the exploration of life detection techniques, are invited to submit resumes, in confidence, to:

Professional Placement

WABCO MELPAR INC

A Subsidiary of Westinghouse Air Brake Company

7758 ARLINGTON BOULEVARD FALLS CHURCH, VA. 22046

(Suburb of Washington, D. C.)

An equal opportunity employer M/F

Index of Advertisers—12 May 1967

Abstracts of Mycology	871	McGraw-Hill Book Co	691
Academic Press		Melabs, Scientific Instrument Dept	694
Ace Glass Inc		Melpar, Inc. 876,	877
American Sterilizer Co.	730 713	Metrohm Div., Brinkmann Instru-	725
American Sternizer Co	/13	ments, Inc. Mettler Instrument Corp.	957
		Millipore Corp.	866
Bausch & Lomb 737,	862	Mistaire Laboratories	844
Bel-Art Products	854		0.7
Belknap Harvard	868		
Bellco Glass Inc.		Nalge	847
Bendix Corp.		National Appliance Co	698
Benjamin, W. A., Inc.	856	Nega File Co	870
Bio-Rad Laboratories		New Brunswick Scientific Co., Inc.	722
Blackstone Ultrasonics, Inc.			857
Blaisdell Publishing Co	093	Nuclear-Chicago Corp. 732,	880
Bronwill Scientific	843	Nuclear Data Inc.	708
Buchler Instruments, Inc.	850	Nutritional Biochemicals Corp	683
and it is the state of the stat	050		
		Orion Descouch Inc	524
Canal Industrial Corp		Orion Research, Inc 842,	020
Carver, Fred S., Inc.		Oxidia University Fress 642,	000
Chemical Rubber Co			
Coleman Instruments		Pacific Meridian Publishing Co	066
Custom Scientific Instruments Inc	872		742
		Percival Refrigeration & Mfg. Co.	271
Davis F A Co	Q Z A		715
Davis, F. A., Co. Digital Equipment Corp.		Pharmacia Fine Chemicals, Inc. 738,	
rigital riquipment Corp	UJU	Phipps & Bird, Inc.	863
		Photovolt Corp.	842
Economics Laboratory, Inc	699	Picker Nuclear	719
Edmund Scientific Co.		Plenum Press	721
Electronic Associates, Inc.	701	Professional Tape Co., Inc	844
E & M Instrument Co., Inc.			
Esterline Angus Instrument Co., Inc.	733		
		Radiochemical Centre	852
Fahri Tok Inc	692	Realtime Systems Inc.	726
Fabri-Tek, Inc. Fisher Scientific Co.		Reeve Angel	695
Fish-Schurman Corp.		Revco Inc. 850,	875
Ford Research Laboratories		Royson Engineering Co	867
Forma Scientific Inc.	845		
		Sourcent E II & Co	050
		Sargent, E. H., & Co.	879
Gencom Div., Whittaker Corp	864	Saunders, W. B., Co.	729
Gencom Div., Whittaker Corp Gilford Instrument Laboratories, Inc.	864 706	Saunders, W. B., Co	729 736
Gencom Div., Whittaker Corp	864 706	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products	729 736 724 710
Gencom Div., Whittaker Corp Gilford Instrument Laboratories, Inc.	864 706	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products	729 736 724 710
Gencom Div., Whittaker Corp Gilford Instrument Laboratories, Inc. Green Line Chemical Corp	864 706 878	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer	729 736 724 710 874 846
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc.	864 706 878	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc.	729 736 724 710 874 846 849
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co.	864 706 878 707 845	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co.	729 736 724 710 874 846 849 858
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc.	864 706 878 707 845 856	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc.	729 736 724 710 874 846 849 858 735
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific	864 706 878 707 845 856	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab	729 736 724 710 874 846 849 858 735 716
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div.	864 706 878 707 845 856 705 727	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc.	729 736 724 710 874 846 849 858 735 716
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin	864 706 878 707 845 856 705 727 852	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab	729 736 724 710 874 846 849 858 735 716
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div.	864 706 878 707 845 856 705 727 852	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag	729 736 724 710 874 846 849 858 735 716
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin	864 706 878 707 845 856 705 727 852	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity As-	729 736 724 710 874 846 849 858 735 716 711
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland	864 706 878 707 845 856 705 727 852 863	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc.	729 736 724 710 874 846 849 858 735 716 711
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc.	864 706 878 707 845 856 705 727 852 863	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon	729 736 724 710 874 846 849 858 735 716 711
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co.	864 706 878 707 845 856 705 727 852 863 718 696	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp.	729 736 724 710 874 846 849 858 735 716 711
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear	864 706 878 707 845 856 705 727 852 863 718 696	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc.	729 736 724 710 874 846 849 858 735 716 711
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp.	864 706 878 707 845 856 705 727 852 863 718 696	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp.	729 736 724 710 874 846 849 858 735 716 711 861 857 868 875 873
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear	864 706 878 707 845 856 705 727 852 863 718 696	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc.	729 736 724 710 874 846 849 858 735 716 711 861 857 868 875 873
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John	864 706 878 707 845 856 705 727 852 863 718 696	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc.	729 736 724 710 846 849 858 735 716 711 861 857 868 875 873 875
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. 686	864 706 878 707 845 856 705 727 852 863 718 696 779	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc.	729 736 724 710 874 846 849 858 735 716 711 861 857 868 875 873 873 886
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. JEOLCO (U.S.A.), Inc.	864 706 878 707 845 856 705 727 852 863 718 696 779 -689	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek	729 736 724 846 849 858 735 711 861 857 873 873 873 873 874 874 874 874
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. 686	864 706 878 707 845 856 705 727 852 863 718 696 779 -689	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc.	729 736 724 846 849 858 735 711 861 857 873 873 873 873 874 874 874 874
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. JEOLCO (U.S.A.), Inc.	864 706 878 707 845 856 705 727 852 863 718 696 779 -689	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek	729 736 724 846 849 858 735 711 861 857 873 873 873 873 874 874 874 874
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. JEOLCO (U.S.A.), Inc. Johns Hopkins Press	864 706 878 707 845 856 705 727 852 863 718 696 779 -689	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware	729 736 7710 874 846 849 858 735 716 711 861 857 868 873 874 867 740 840
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. JEOLCO (U.S.A.), Inc.	864 706 878 707 845 856 705 727 852 863 718 696 779 -689	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware	729 736 7710 874 846 849 8735 7116 7111 861 857 868 873 856 840 840 844
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. JEOLCO (U.S.A.), Inc. Johns Hopkins Press Klett Manufacturing Co., Inc.	864 706 878 707 845 856 705 727 852 863 718 696 779 -689	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc.	729 736 7710 874 846 849 8735 716 711 861 857 868 873 873 874 840 844 844
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. Jene Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes 780,	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wild Heerbrugg Instruments, Inc. Wilkens-Anderson Co. Williams & Wilkins Co.	729 736 7710 874 846 849 858 735 716 711 861 857 868 875 874 840 844 849 844 848 848
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. JEOLCO (U.S.A.), Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes 780,	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wild Heerbrugg Instruments, Inc.	729 736 7710 874 846 849 858 735 716 711 861 857 868 875 874 840 844 849 844 848 848
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes 780, Labindustries Lea & Febiger	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wild Heerbrugg Instruments, Inc. Wilkens-Anderson Co. Williams & Wilkins Co.	729 736 7710 874 846 849 858 735 716 711 861 857 868 875 874 840 844 849 844 848 848
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes 780, Labindustries Lea & Febiger Leeds & Northrup	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wilkens-Anderson Co. Williams & Wilkins Co.	729 736 7710 874 846 849 8735 716 711 861 857 868 873 873 874 840 844 849 848 859 863
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes 780, Labindustries Lea & Febiger Leeds & Northrup Little Brown	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wild Heerbrugg Instruments, Inc. Wilkens-Anderson Co. Williams & Wilkins Co.	729 736 7710 874 846 849 8735 716 711 861 857 868 873 873 874 840 844 849 848 859 863
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes 780, Labindustries Lea & Febiger Leeds & Northrup	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wilkens-Anderson Co. Williams & Wilkins Co.	729 736 7710 874 846 849 8735 716 711 861 857 868 873 873 874 840 844 849 848 859 863
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes Klett Manufacturing Co., Inc. Labindustries Lea & Febiger Leeds & Northrup Little Brown LKB Instruments Inc. 704, 730,	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841 738 717 728 872 865	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wild Heerbrugg Instruments, Inc. Wildens-Anderson Co. Williams & Wilkins Co. Winthrop Laboratories	729 736 7710 874 846 849 8735 7116 7111 861 857 868 873 856 840 844 849 848 859 863 700
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes Klett Manufacturing Co., Inc. Kontes T80, Labindustries Lea & Febiger Leeds & Northrup Little Brown LKB Instruments Inc. 704, 730,	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841 738 717 728 872 865	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wilkens-Anderson Co. Williams & Wilkins Co.	729 736 7710 874 846 849 8735 7116 7111 861 857 868 873 856 840 844 849 848 859 863 700
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. JEOLCO (U.S.A.), Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes Kontes 780, Labindustries Lea & Febiger Leeds & Northrup Little Brown LKB Instruments Inc. 704, 730, Manostat Corp. Maryland Plastics, Inc.	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841 738 717 728 872 865	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wild Heerbrugg Instruments, Inc. Wildens-Anderson Co. Williams & Wilkins Co. Winthrop Laboratories Varian Associates Year Book Medical Publishers, Inc.	729 736 7710 874 846 849 8735 7716 7711 861 857 868 875 875 874 840 844 849 848 858 700 841
Gencom Div., Whittaker Corp. Gilford Instrument Laboratories, Inc. Green Line Chemical Corp. Hacker, William J., & Co., Inc. Hamilton Co. Harford Metal Products, Inc. Hewlett-Packard, F & M Scientific Div. Hewlett-Packard Co., Sanborn Div. Houghton Mifflin Hyland Instrumentation Specialties Co., Inc. International Equipment Co. International Chemical & Nuclear Corp. Interscience Publishers, Div. of John Wiley & Sons, Inc. Johns Hopkins Press Klett Manufacturing Co., Inc. Kontes Klett Manufacturing Co., Inc. Kontes T80, Labindustries Lea & Febiger Leeds & Northrup Little Brown LKB Instruments Inc. 704, 730,	864 706 878 707 845 856 705 727 852 863 718 696 779 -689 702 703 857 841 738 717 728 872 865	Saunders, W. B., Co. Schleicher, Carl, and Schuell Co. Schleicher, Carl, and Schuell Co. Schwarz BioResearch, Inc. Scientific Products Scientronics Inc. Sherer Siemens America Inc. Sigma Chemical Co. Sorvall, Ivan, Inc. Spectrolab Springer-Verlag Teachers Insurance and Annuity Assoc. Technicon Thermolyne Corp. Tri-R Instruments, Inc. TRG Control Data Corp. Troemner, Henry, Inc. UFOIRC, Inc. Ultek U.S. Stoneware Wang Laboratories, Inc. Wild Heerbrugg Instruments, Inc. Wild Heerbrugg Instruments, Inc. Wildens-Anderson Co. Williams & Wilkins Co. Winthrop Laboratories	729 736 7710 874 846 849 8735 7716 7711 861 857 868 875 875 874 840 844 849 848 858 700 841

MELPAR'S talent search tocuses on:

SENIOR SCIENTISTS TECHNICAL **LEADERS**

CONTINUED EXPANSION CREATES IMMEDIATE OPENINGS IN:

AEROSOL CHEMISTRY/PHYSICS

- Atmospheric Sampling and Analysis
- Particle Size Measurements
- Powder Technology

PHYSICAL CHEMISTRY

- Catalytic Reactions
- Radio Chemistry
- Applied Theoretical Chemistry

GAS CHROMATOGRAPHY

- Column Technology
- Detector Technology
- Instrument Design

NEW PROGRAMS AT MELPAR

INSTRUMENTATION

- Automatic Analizers
- Gas and Aerosol **Detectors**
- Bio-Medical Sensors

ANALYTICAL CHEMISTRY

- · Air and Water Pollution
- Development of Special Analytical **Detection Methods**
- · Electroanalytical Chemical Problems

ELECTROCHEMISTRY

- Primary and Secondary Power Sources
- Corrosion-Stress, Bacterial, Galvanic
- Fuel Cells

Write in confidence, Manager, Professional Placement



A Subsidiary of Westinghouse Air Brake Company 7755 ARLINGTON BLVD. • FALLS CHURCH, VA. • (703) 534-6000

PERSONNEL PLACEMENT

POSITIONS WANTED

Biology and Computers. Ph.D. Age 43. Three children. U.S. native. Experience in computer applications to biometrics, university research computer management, plant breeding and genetics, university teaching, extension work. Extensive publications. Available immediately. Box 447. SCIENCE. 5/12

Business Administrator, medical college, business and government experience. Minimum \$15,000. Box 403, SCIENCE. X

Microbiology Professor, Ivy League university, desires teaching position with research; West preferred. Box 452, SCIENCE. 5/12

Neuropsychologist, Ph.D., 32. Teaching/research experience; publications, fellowships. Seeks academic or research post. Box 453, SCIENCE. 5/12

(a) PHYSIOLOGY Ph.D., 1966; biochemistry minor; completing postdoctorate; reproductive physiology, hormone, steroid research experience; seeks research or teaching position. (b) M.D. unlicensed; registered Clinical Laboratory Supervisor; Laboratory Director, microbiology, biochemistry experience; desires hospital laboratory manager, medical research appointment. Write WOODWARD MEDICAL PERSONNEL BUREAU, 185 North Wabash, Chicago 60601.

POSITIONS OPEN

INVITATION to professional careers

(a) MICROBIOLOGY PROJECT DIRECTOR

R&D food products from hydrocarbons; commercial exp., leadership ability; \$20-\$25,000 up;

MidW. (b) PHYSIOLOGIST Ph.D. or M.D.;

direct programs med instrument and artificial organ develop; \$19,000 up; large firm, N. (c)

HEAD BIOCHEMICAL GENETICS LAB., supv research; new mentally retarded unit med. center; \$22,000; SW. (d) ONCOGENIC VIRUS RESEARCH; \$15–22,000; famous institute; SE. (e) BIOCHEMIST head new lab 600-bed hosp; M.S. \$10–15,000; Ph.D. \$15–20,000; Fee Pd.; E. (f) PHYSIOLOGY research metabolism and other studies; teach if desired; \$9–12,000; univ med sch.; S. R.S.V.P. WOODWARD MED PERS BUREAU, 185 N. WABASH, CHICAGO 60601.

POSITIONS WANTED

Laboratory Administrator. Experienced in all aspects of laboratory management and operation: grants, personnel, purchasing and procurement, construction, equipment, and so forth. Box 458, SCIENCE.

Developmental Biologist, Ph.D., experienced teacher with extensive background in endocrinology, reproductive physiology, vertebrate morphology, radioautography, desires academic research/teaching position. Publications. Box 459, search/teac SCIENCE.

Microbiologist-Biophysicist, Ph.D., extensive experience, publications, ultrastructure and function (electron microscopy) research interests, desires academic position. Box 460, SCIENCE. X

POSITIONS OPEN

UNIVERSITY OF MELBOURNE LECTURESHIP

DEPARTMENT OF PHYSICAL CHEMISTRY

Applications are invited for the above-men-

QUALIFICATIONS Applicants should have had some postdoctoral experience and teaching experience will be considered an advantage.

DUTIES Teaching duties will be primarily although not exclusively in the first year of the course. The appointee will have ample opportunity for pursuing his own research interests and directing the activities of research students. SALARY \$44,800-\$46,300 p.a. Initial salary within the range detailed will be determined according to qualifications and experience.

Further information, including details of F.S.S.U. type superannuation, travel and removal expenses, housing assistance and conditions of appointment, is available from the Association of Commonwealth Universities (Branch Office), Marlborough House, Pall Mall, London, S.W.I.

Applications close in Australia and London on 15th June, 1967.

POSITIONS OPEN

BIOLOGISTS

Hazleton Laboratories' Inhalation Division requires two research scientists with M.S. degrees or a B.S. degree with 2-5 years' experience in pulmonary physiology. Must have direct experience with recording instruments, transducers, and gas analyzers. Duties are to conduct, design, and adopt methods to evaluate effects of irritants. An IBM 1800 system is available for on-line data analysis. Excellent employee benefits and opportunity for advancement. Please write: Hall A. Acuff, Assistant Personnel Manager, Hazleton Laboratories, Inc., P.O. Box 30, Falls Church, Virginia 22046 (Suburban Washington, D.C.).

An Equal Opportunity Employer M/F

Physical, Analytical, or Inorganic Chemist; Physicist; Physical Scientists; Science Education: To teach and develop programs in each area. Ph.D. preferred. College expanding to University.

Rank and salary open. Illinois Teachers College-South, Dept. of Physical Sciences, 6800 S. Stewart Avenue, Chicago, Illinois 60621.

FELLOWSHIP

POSTDOCTORATE FELLOWSHIP IN MICROBIOLOGICAL CHEMISTRY

The Research Council of Alberta, with laboratories on the campus of the University of Alberta, announces a fellowship available in the fall of 1967, for fundamental research related to lipid and hydrocarbon metabolism.

Applicants should have, or expect to have, a Ph.D. or equivalent degree before taking up the award.

Ph.D. or equivalent degree before taking award.
Fellowships are awarded on a one-year basis with a maximum tenure of two years. The annual stipend is \$6,500 and is income tax free.
Please address inquiries to
THE DIRECTOR OF RESEARCH
RESEARCH COUNCIL OF ALBERTA
UNIVERSITY CAMPUS
EDMONTON, ALBERTA

POSITIONS OPEN

DEPARTMENT CHAIRMAN

Energetic and knowledgeable person to help develop a core curriculum. Invertebrate zoologist or plant physiologist, Ph.D. preferred. Rank and salary open. Direct inquiries to E. H. Luthman, S.J., Dean, College of Sciences, University of Santa Clara, Santa Clara, California 95053.

PHARMACEUTICAL CHEMIST

PHARMACEUTICAL CHEMIST

Hazleton Laboratories, a leading independent company specializing in the Life Sciences, needs a Pharmaceutical Chemist with a Ph.D. degree with 0-2 years' experience, including some business training or experience. Position involves planning and coordinating research in biological chemistry and metabolism studies; analytical method development and instrumental analysis for drugs, agricultural chemicals, and enzymes. Opportunity for publications and scientific meetings attendance. Excellent employee benefits program including profit sharing. Please send resume to: HALL A. ACUFF, Assistant Personnel Manager, Hazleton Laboratories, Inc., P.O. Box 30, Falls Church, Virginia 22046 (Metropolitan Washington, D.C.).

An Equal Opportunity Employer M/F

An Equal Opportunity Employer M/F

POSITIONS OPEN

Wanted: Ph.D. or M.S. to head Division of Biochemistry in the Department of Pathology of 480 bed hospital performing over 200,000 chemistry examinations each year. Partly automated. Only persons with actual experience in a clinical laboratory need apply. Small percentage of time for research and development. Address inquiries together with a curriculum vitae and desired salary, range to Tobias Weinberg, M.D., Pathologist-in-Chief, Sinai Hospital, Baltimore, Md. 21215.

RESEARCH VIROLOGIST

Hazleton Laboratories, a rapidly expanding company specializing in the Life Sciences, needs a Research Virologist with a Ph.D. degree in Virology or Microbiology with 0-3 years' experience. Duties include design, coordination, and development of virological research programs, particularly in the areas of immunology and oncology. Opportunity for publications and meetings attendance. Excellent employee benefits program including profit sharing. Please write:

Hall A. Acuff, Assistant Personnel Manager, Hazleton Laboratories, Inc., P.O. Box 30, Falls Church, Virginia 22046.

An Equal Opportunity Employer M/F

POSITIONS OPEN

COLLEGE TEACHERS WANTED M.S. OR Ph.D. MANY LOCATIONS SEPT. POSITIONS

BIOLOGY CHEMISTRY ENGINEERING GEOLOGY

MATHEMATICS PHYSICS PSYCHOLOGY DEAN

WRITE NOW FOR FREE APPLICATION CITY & SUBURBAN TEACHERS AGENCY 545 FIFTH AVENUE, N.Y., N.Y. 10017

The Market Place

BOOKS AND MAGAZINES

AUTHORS WANTED YORK PUBLISHER

Your book can be published, promoted, distributed by a reliable company on a subsidized basis. Fiction, non-fiction, poetry, scholarly, scientific and even controversial manuscripts welcomed. For Free Booklet write Vantage Press, Dept. SC, 120 W. 31 St., New York 10001.

SUPPLIES AND EQUIPMENT

COMPONENTS and INSTRUMENTS for OPTICAL RESEARCH

Xe Hg SOURCES . LASER OPTICS . QUARTZ LENSES

OPTICAL FILTERS • PHOTOMETERS



MONOCHROMATORS
please write for catalog 23
ORIEL ORIELOPTICS CORPORATION
1 MARKET ST., STAMFORD, CONNECTICUT, 08902
Tel.: 203-348-4247

SPRAGUE-DAWLEY, INC.

Pioneers in the development of the STANDARD LABORATORY RAT.

> P.O. Box 4220 Madison, Wisconsin

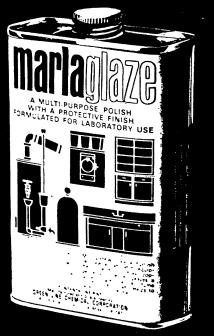
Specialists in

 $Reagents\hbox{-} Standards\hbox{-} Comparators$ Send for illustrated Controls Handbook Dept. H



Circle 130 on Readers' Service Card

A BRAND NEW PRODUCT TO PROVIDE THE PROFESSIONAL ABORATORY **EOUIPMENT!**



New and useful — MARLAGLAZE — is formulated to meet the requirements of today's modern laboratories. Protects expensive equipment and fixtures. Makes dull and corroded surfaces look new again. Protective glass-like finish helps guard against fumes, stains and soil.

Use MARLAGLAZE on enameled or glossy surfaces...for:

Laboratory Furniture Aluminum

Fume Hoods

Stills

Glass or Plastic Bell Jars Brass, Copper **Balances** Chromium Centrifuges

Mixers Temperature Baths Spectrophotometers Ovens

Refrigerators Sterilizers Titrimeters

Microscopes Microtomes Shakers Viscosimeters Flexaframes Electro-Analyzers, etc.

Clamps

ORDER DIRECT AND SAVE

SINGLE TRIAL 16 oz. CAN: \$2.50 CASE OF 12 - 16 oz. CANS: \$24.00

MANUFACTURED AND GUARANTEED BY:

GREEN LINE CHEMICAL CORPORATION

602 SCHILLER AVE. / ST. LOUIS, MISSOURI 63147

Circle 129 on Readers' Service Card

No more eyeballing.



MODEL DR O 7 ! 4

You can read Sargent's DR pH Meter to 0.001 pH at a glance.

You'd need a pH scale 35 feet in length to get readability equivalent to that of our DR pH Meter. There's no switching or recalibration required to get a reading to 0.001 pH. The DR reads directly, in digits, to the second decimal; a graduated scale shows the third decimal.

The DR's relative accuracy is \pm 0.002 pH (within 4 pH of buffer set point). This accuracy is unchanged by any mechanical or electrical wear in its automatic, self-balancing, measur-

ing system. There's no drift, either. Restandardization is dictated only by the type of electrode used. Three controls are all it takes to realize the DR's full capability: one each for standardization, operating mode, and temperature compensation.

The DR's high input impedance lets you work with any commonly used electrode. And the automatic isopotential setting adapts to electrodes of any isopotential from 0 to 14 pH—without adjustment.

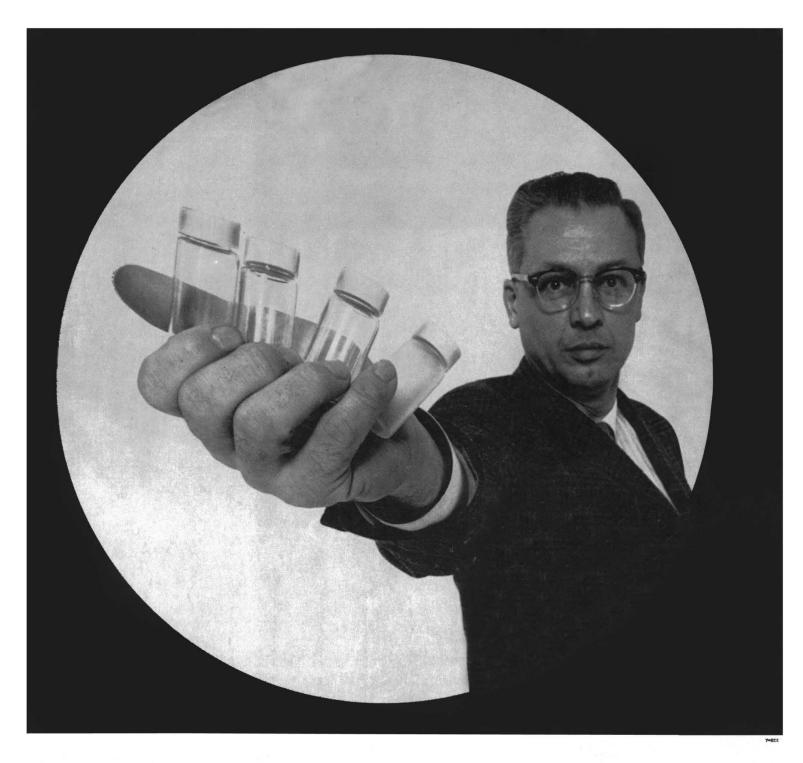
The Model DR pH Meter is designed and manufactured by E. H. Sargent & Co. So you know that it's made for dependable, trouble-free service. And that it's been carefully assembled and thoroughly tested.

This unique combination of readability, accuracy, and reliability is priced at \$655.00 (with electrodes and solutions). If you'd like a demonstration of the Model DR pH Meter, just call your Sargent man or write directly to us.





E. H. SARGENT & CO. 4647 West Foster Avenue Chicago, Illinois 60630



Vital, because—even in sample vials—premium, consistent performance is indispensable to your liquid scintillation counting program.

Now you can match performance-level in a sample vial with the price you want to pay by choosing from our quartet of SpectraVials.TM

For high H³ efficiency and low background in a glass vial, choose SpectraVial I. For a glass vial with slightly higher counting efficiency, but somewhat higher background, choose SpectraVial II. For maximum economy in a glass vial, select SpectraVial III. And for higher relative counting efficiency than that of the glass vials, pick our polyethylene SpectraVial IV.

The Vital Vials

Sample vials—and liquid scintillation fluors, chemicals, and standards—from Nuclear-Chicago are the performance-makers your program deserves. Ask about all of them.

Call your local Nuclear-Chicago sales engineer or write directly to us.

The Performers-products, people, and programs-for life-science research come from Nuclear-Chicago.



A SUBSIDIARY OF G. D. SEARLE & CO. 349 Howard Ave., Des Plaines, III. 60018 U.S.A. Donker Curtiusstraat 7, Amsterdam W.