Reserve Univ., 10831 Magnolia Dr., Cleveland 6)

18-28. World Seed Congr., Rome, Italy. (Intern. Agency Liaison Branch, Office of the Director General, Food and Agriculture Organization of the U.N., Viale delle Terme di Caracalla, Rome) 19. Southern California Acad. of Sci-

19. Southern California Acad. of Sciences, Los Angeles. (G. Sibley, Los Angeles County Museum, 900 Exposition Blvd., Los Angeles 7)

19-20. Southern Municipal and Industrial Waste Conf., Chapel Hill, N.C. (Dept. of Sanitary Engineering, Univ. of North Carolina, Box 899, Chapel Hill)

19-21. Southern Soc. for Philosophy and Psychology, Memphis, Tenn. (D. R. Kenshalo, Dept. of Psychology, Florida State Univ., Tallahassee)

20-22. Czechoslovak Soc. of Arts and Sciences in America, 1st natl. congr., Washington, D.C. (M. Rechcigl, Jr., 1703 Mark Lane, Rockville, Md.)

21. Pennsylvania Acad. of Science, Pittsburgh. (K. B. Hoover, Messiah College, Grantham, Pa.)
21-21 Oct. World's Fair of Science,

21-21 Oct. World's Fair of Science, Century 21 Exposition, Seattle, Wash. (J. Rockey, c/o Seattle World's Fair, Seattle 9, Wash.)

22-26. Association of American Geographers, Miami Beach, Fla. (M. F. Burrill, AAG, 1785 Massachusetts Ave., NW, Washington, D.C.)

23–25. Canadian Inst. of Mining and Metallurgy, annual, Ottawa, Ont. (C. Gerow, CIMM, 1117 St. Catherine St., W. Montreal 2, Quebec, Canada)

23-25. Meteorological Uses of Rockets and Satellites, symp., Washington, D.C. (World Meteorological Organization, 41, Avenue Giuseppe Motta, Geneva, Switzerland)

23–25. Pan American Congr. of Gastroenterology, New York, N.Y. (C. A. Flood, 180 Fort Washington Ave., New York 32)

23-26. American Physical Soc., Washington, D.C. (K. K. Darrow, APS, Columbia Univ., New York 27)

23–27. International Conf. on Palynology, Tucson, Ariz. (G. O. W. Kremp, Geochronology Laboratories, Univ. of Arizona, Tucson)

23-5. Television Arts and Sciences, intern. symp. and festival, Montreux, Switzerland. (Intern. Television Symp., 8, Grand-Rue, Montreux)

24-25. Managing Petroleum and Petrochemical Operations, conf., San Antonio, Tex. (J. Harmon, Southwest Research Inst., 8500 Culebra Rd., San Antonio 6)

24-26. Building Research Inst., spring conf., Washington, D.C. (M. C. Coon, Jr., BRI, 2101 Constitution Ave., NW, Washington 25)

24-26. Mathematical Theory of Automata, intern. symp., New York, N.Y. (Symposium Committee, Polytechnic Inst. of Brooklyn, 55 Johnson St., Brooklyn 1, N.Y.)

25. Rocket Propulsion, symp., Cranfield, Bletchley, England. (Secretary, British Interplanetary Soc., 12 Bessborough Gardens, London, S.W.1, England)

25-27. International Federation of Associations of Textile Chemists and Colorists, annual, Amsterdam, Netherlands. (J. Boulton, Dean House, 19, Piccadilly, Bradford 1, Yorks, England)

16 FEBRUARY 1962

25-29. Western Space Age Industries and Engineering Exposition/Conferences, San Francisco, Calif. (San Francisco Chamber of Commerce, San Francisco)

25-4. Chemical Arts, intern. conf., Paris,
France. (Societé de Chimie Industrielle,
28, rue Saint-Dominique, Paris 7°)
26-27. British Inst. of Radiology, an-

26–27. British Inst. of Radiology, annual, London, England. (BIR, 32 Welbeck St., London, W.1)

26–27. Nucleonics Heat Transfer Committee, American Soc. of Mechanical Engineers, Argonne, Ill. (J. D. Roarty, Bettis Atomic Power Laboratory, Box 1468, Pittsburgh 30, Pa.)

26-28. Alpha Epsilon Delta, natl. convention, Toledo, Ohio. (M. L. Moore, 7 Brookside Circle, Bronxville, N.Y.)

26-28. Eastern Psychological Assoc.,

annual, Atlantic City, N.J. (M. A. Iverson, P.O. Box 601, Garden City, N.Y.)

26–28. Illinois State Acad. of Science, Wheaton. (G. R. Yohe, State Geological Survey, Urbana, Ill.)

26-28. Use of Artificial Satellites for Geodesy, symp., Washington, D.C. (Intern. Assoc. for Geodesy, 18, rue Auber, Paris 9°, France)

26-28. Wildflower Pilgrimage, 12th annual, Knoxville, Tenn. (A. J. Sharp, Dept. of Botany, Univ. of Tennessee, Knoxville) 27. Georgia Acad. of Science, Atlanta. (T. Kethley, 514 Ponce de Leon Pl., De-

catur, Ga.) 27-28. Eastern Psychological Assoc., Atlantic City, N.J. (M. A. Iverson, Dept. of Psychology, Adelphi College, Garden City, N.Y.)

# The Perfect Gift for any Scientist ...



#### As recognition for service . . . for unusual achievement . . . for graduation . . . birthdays

Here is your opportunity to extend the benefits of AAAS membership . . including a subscription to SCIENCE . . . to relatives, friends or associates.

The AAAS is the largest federation of scientific organizations . . . It was established 114 years ago and now has over 68,000 individual members. JUST FILL IN AND MAIL THE FORM BELOW. (Whether you are a member or not, you may order a gift membership for someone else. Or you may use this same form to apply for a personal membership in your own name.)

DR. RAYMOND L. TAYLOR, Associate Administrative Secretary American Association for the Advancement of Science 1515 Massachusetts Avenue, NW, Washington 5, D.C.

1515 Massachusetts Avenue, NW, Washington 5, D.C. Please extend AAAS membership to: (please print or typewrite) Full name Address Professional or research specialty ..... Title Institutional or company affiliation Highest degree (year and institution) ..... Check one: ) Check or money order enclosed for \$8.50 annual membership dues. ( ( ) Please bill me at address shown below. ) Please bill company at address shown below. ( Company name Address ..... 

\_\_\_\_\_

## COLEMAN



Compan<u>ion</u> pH Meter

#### SIMPLIFIED CONTROLS, UNEQUALLED VERSATILITY

The Compan<u>ion</u>'s three simple controls cover all its multiple functions — in pH determinations, in millivolt measurement, in manual or automatic titrations.

This permits the instrument to cover an exceptionally broad field of laboratory analysis without losing its basic simplicity of operation.

#### Companion features:

Accuracy – within 0.05 pH, reproducible to 0.02 pH.

Range-0-14 pH; any 1400 millivolt span from --1400 to +1400 mv.

**Electrodes**—uses any Coleman glass, reference, metallic or special-purpose electrodes; adapts to electrodes of other manufacture.

**Related equipment**—operates with Coleman Titrion Automatic Titrator, and current and potentiometer type recorders.

Temperature compensation-manual TEMP control or Automatic Temperature Compensator accessory compensates for thermal effects over  $0-100^{\circ}$  C. range.

Economy-priced at \$300.00.

Write for Bulletin B-267A and ask for a demonstration.



COLEMAN INSTRUMENTS, INC. MAYWOOD, ILLINOIS

#### 616

## INDEX OF ADVERTISERS, 16 February 1962

Ace Glass Inc. Ainsworth, Wm., & Sons, Inc. Alconox, Inc. American Electronic Laboratories American Kinetics Corp.	. 565 . 561 . 560
American Optical Co.	.620
American Optical Co. Applied Physics Corp.	611
Applied Science Laboratories, Inc. Arapahoe Chemicals, Inc.	. 618 560
Asiatic Animal Imports, Inc. Atomic Energy of Canada Limited	618
Atomic Energy of Canada Limited Atomium	. 579 . 588
Baird-Atomic, Inc.	. 484
Baird-Atomic, Inc. Baker, J. T., Chemical Co. Barnstead Still and Sterilizer Co.	. 564
Bausch & Lomb Optical Co.	576
Beckman Instruments. Inc.	. 573
Bel-Art Products Bellco Glass Inc.	. 570
Bendix Corn.	. 571
Blickman, S., Inc. Borroughs Manufacturing Co.	. 567
Branson Instruments, Inc.	. 600
Brinkmann Instruments, Inc.	. 589
Buchler Instruments, Inc.	603
Canal Industrial Corp. 562, 596, Castle, Wilmot, Co.	.475
Castle, Wilmot, Co. CBS Laboratories Cenco Educational Films	. 584
Cenco Educational Films	. 612 618
Clay-Adams Coleman Instruments, Inc.	483
Coleman Instruments, Inc.	.616
Colorado Serum Co. Connecticut Instrument Corp.	. 474
Coors Porcelain Co.	. 572
Custom Scientific Instruments, Inc.	
Delmar Scientific Laboratories	. 598 . 579
Eberbach Corp. Edmund Scientific Co. Elgeet Optical Co.	. 501
Fisher Scientific Co. Fish-Schurman Corp.	. 557
Fish-Schurman Corp.	. 562
Ford Kennel Equipment	. 618
Four Continent Book Corp Franklin Systems, Inc	. 580
Garfield, Oliver, Co., Inc.	
Gelman Instrument Co	. 465
Gilmont, Roger, Instruments, Inc.	. 594
Gifford-Wood Co.	. 568
Glas-Col Apparatus Co. Gow-Mac Instrument Co.	610
Graphic Systems	. 618
Greiner, Emil, Co. Gyra Electronics Corp.	594
Hacker, William J., & Co., Inc.	613
Harvard Apparatus Co., Inc.	562
Harvey-Wells Corp. Hitachi, Ltd.	471 485
Houston Instrument Corp.	. 581
Hyland Laboratories	. 595
Image Instruments, Inc.	614
Industrial Instruments Inc. Instruments for Research and Industry	500 597
isi kesentin anu muusuy	~ / /
International Business Machines	456
International Equipment Co 462,	. 456 463
International Business Machines International Equipment Co	456 463 613
International Equipment Co	. 456 463 . 613 . 480 . 560
International Equipment Co.	456 463 613 480 560 472
International Equipment Co	456 463 613 480 560 472 619

Maryland Plastics, Inc.499Methecke & Co., Inc.572Meinecke & Co., Inc.609Mirncapolis-Honeywell, Heiland Div.486Missimers598Minneapolis-Honeywell, Heiland Div.486Missimers593Molechem, Inc.601National Appliance Co.570National Instrument Laboratories, Inc.594New Brunswick Scientific Co., Inc.491New England Nuclear Corp.605Nikon, Inc.476NRC Equipment Corp.613Nuclear Data Inc.498Nutritional Biochemicals Corp.614Oxford University Press597Packard Instrument Co., Inc.504Parr Instrument Co., Inc.504Parr Instrument Co., Inc.504Parr Instrument Co., Inc.505Phensylvania Scale Corp.559Perkin-Elmer Corp.559Prikker X-Ray Corp.559Picker X-Ray Corp.558Piopes & Bird, Inc.563Protessional Tape Co., Inc.574Ridgefield Instrument Group590Sanborn Co.466Sargent, E. H., & Co.460Scientific Industries, Inc.574Scientific Industries, Inc.574Sigmandoror, Inc.564Ridgefield Instrument Group590Sanborn Co.468Sorvall, Supply Corp.578Steintific Industries, Inc.574Scientific Industries, Inc.574Scientific Products Div., American<	Laboratory Construction Co. LaPine Scientific Co. Lea & Febiger Leitz, E., Inc. London Co.	. 580 . 584 . 461 . 482
National Appliance Co.570National Instrument Laboratories, Inc.594New Brunswick Scientific Co., Inc.491New England Nuclear Corp.605Nikon, Inc.476NRC Equipment Corp.613Nuclear Data Inc.498Nutritional Biochemicals Corp.614Ohaus Scale Corp.614Oxford University Press597Packard Instrument Co., Inc.504Parr Instrument Co.559Perkin-Elmer Corp.458Pfaltz & Bauer, Inc.608Phops & Bird, Inc.605Phoenix Precision Instrument Co.559Picker X-Ray Corp.558Picker X-Ray Corp.558Porter-Mathews Co., Inc.558Porfersional Tape Co., Inc.558Raytheon Co.490Research Inc.574Ridgefield Instrument Group590Sanborn Co.468Sargent, E. H., & Co.460Scientific Industries, Inc.574Scientific Industries, Inc.574Scientific Industries, Inc.591Scientific Industries, Inc.609Shard Laboratories, Inc.509Surad Comparatories, Inc.509Sigma Chemical Co.588Sigmantor, Inc.502Sigmantor, Inc.503Sigmantor, Inc.504Sigmantor, Inc.503Sigmantor, Inc.504Sigmantor, Scientific Supply Corp.574Stoelting, C. H., Co.514Surety Rubber	Meinecke & Co., Inc. Microchemical Specialties Co. Millipore Filter Corp. Minneapolis-Honeywell, Heiland Div. Missimers	. 609 . 602 . 580 486 . 598
Packard Instrument Co., Inc.504Parr Instrument Co.559Pennsylvania Scale Co.559Pennsylvania Scale Co.559Perkin-Elmer Corp.458Pfaltz & Bauer, Inc.608Phopenix Precision Instrument Co.569Photovolt Corp.559Picker X-Ray Corp.586Pioneer Plastics596Porter-Mathews Co., Inc.563Professional Tape Co., Inc.558Raytheon Co.490Research Inc.564Ridgefield Instrument Group590Sanborn Co.468Sargent, E. H., & Co.460Schwarz BioResearch, Inc.574Scientific Glass Apparatus Co., Inc.478Scientific Industries, Inc.591Scientific Industries, Inc.609Sharp Laboratories, Inc.609Sharp Laboratories, Inc.609Sharp Laboratories, Inc.604Sigma Chemical Co.589Sigmandtor, Inc.600Sorvall, Ivan, Inc.599Standard Scientific Supply Corp.578Technical Measurement Corp.502Technical Measurement Corp.502Technical Measurement Corp.502Varian Associates473Victoreen Instrument Co.469Vanguard Instrument Co.469Vanguard Instrument Co.479VirTis Co., Inc.481, 585Wild Heerbrugg Instruments, Inc.577Wilkins Instrument & Research Inc.686Will Korp. <t< th=""><th>National Appliance Co. National Instrument Laboratories, Inc. New Brunswick Scientific Co., Inc. New England Nuclear Corn.</th><th>.570 .594 .491 .605</th></t<>	National Appliance Co. National Instrument Laboratories, Inc. New Brunswick Scientific Co., Inc. New England Nuclear Corn.	.570 .594 .491 .605
Parr Instrument Co.559Pensylvania Scale Co.559Perkin-Elmer Corp.458Pfaltz & Bauer, Inc.608Phipps & Bird, Inc.605Phoenix Precision Instrument Co.569Photovolt Corp.559Picker X-Ray Corp.586Pioneer Plastics596Porter-Mathews Co., Inc.563Professional Tape Co., Inc.563Professional Tape Co., Inc.564Ridgefield Instrument Group590Sanborn Co.468Sargent, E. H., & Co.460Schwarz BioResearch, Inc.574Scientific Industries, Inc.591Scientific Rolass Apparatus Co., Inc.478Scientific Routers Div., AmericanHospital Supply Corp.Hospital Supply Corp.578Sigma Chemical Co.589Sigma Chemical Co.589Sigma Chemical Co.588Technical Measurement Corp.592Standard Scientific Supply Corp.578Stoelting, C. H., Co.614Surety Rubber Co.568Technical Measurement Corp.502Technical Measurement Corp.502Technical Measurement Corp.502Technical Measurement Co.479VirTis Co., Inc.481, 585Wild Heerbrugg Instruments, Inc.577Wilkens-Anderson Co.569Varian Associates473Victoreen Instrument & Research Inc.614Will Corp.592Williams & Wilkins Co.495 <td< th=""><th>Ohaus Scale Corp</th><th>. 614 . 597</th></td<>	Ohaus Scale Corp	. 614 . 597
Research Inc.564Ridgefield Instrument Group590Sanborn Co.468Sargent, E. H., & Co.460Schwarz BioResearch, Inc.574Scientific Glass Apparatus Co., Inc.478Scientific Industries, Inc.591Scientific Products Div., American Hospital Supply Corp.470Servonuclear Corp.582Sharp Laboratories, Inc.609Sheldon, E. H., Equipment Co.604Sigma Chemical Co.589Sigmamotor, Inc.600Sorall, Ivan, Inc.599Standard Scientific Supply Corp.578Stoelting, C. H., Co.614Surety Rubber Co.568Technical Measurement Corp.502Technicon Chromatography Corp.606Texas Instruments Inc.477Thermolyne Corp.569TiAA583Tracerlab, Inc.488, 600Tri-R Instrument Co.469Vanguard Instrument Co.492Varian Associates473Victoreen Instrument Co.481, 585Wild Heerbrugg Instruments, Inc.577Wilkins Instrument & Research Inc.618Will Corp.592Williams & Wilkins Co.495Winthrop Laboratories562Worthington Biochemicals Corp.615Zeiss, Carl, Inc.500	Parr Instrument Co. Pennsylvania Scale Co. Perkin-Elmer Corp. Pfaltz & Bauer, Inc. Phipps & Bird, Inc. Phoenix Precision Instrument Co. Photovolt Corp. Picker X-Ray Corp. Pioneer Plastics Porter-Mathews Co., Inc.	. 559 . 559 . 458 . 608 . 605 . 569 . 559 . 586 . 596 . 563
Sanborn Co.468Sargent, E. H., & Co.460Schwarz BioResearch, Inc.574Scientific Glass Apparatus Co., Inc.478Scientific Industries, Inc.591Scientific Products Div., AmericanHospital Supply Corp.Hospital Supply Corp.582Sharp Laboratories, Inc.609Sigma Chemical Co.589Sigma Chemical Co.589Sigma Chemical Co.589Sigma Chemical Co.589Sigma Chemical Co.589Standard Scientific Supply Corp.578Stoelting, C. H., Co.614Surety Rubber Co.568Technical Measurement Corp.502Technical Measurement Corp.502Technicon Chromatography Corp.606Tri-R Instruments Inc.477Thermolyne Corp.569TIAA583Tracerlab, Inc.488, 600Unitron Instrument Co.492Varian Associates473Victoreen Instrument Co.492Varian Associates473Wild Heerbrugg Instruments, Inc.577Wilkens-Anderson Co.566Williams & Wilkins Co.495Williams & Wilkins Co.495Winthrop Laboratories562Worthington Biochemicals Corp.615Zeiss, Carl, Inc.500	Raytheon Co. Research Inc. Ridgefield Instrument Group	. 490 . 564 . 590
Shendon, E. H., Equipment Co.604Sigma Chemical Co.589Sigmamotor, Inc.600Sorvall, Ivan, Inc.599Standard Scientific Supply Corp.578Stoelting, C. H., Co.614Surety Rubber Co.568Technical Measurement Corp.502Technicon Chromatography Corp.606Texas Instruments Inc.477Thermolyne Corp.569TIAA583Tracerlab, Inc.488, 600Unitron Instrument Co.469Vanguard Instrument Co.492Varian Associates473Victoreen Instrument Co.481, 585Wild Heerbrugg Instruments, Inc.577Wilkens-Anderson Co.566Williams Instrument & Research Inc.618Will Corp.592Williams & Wilkins Co.495Winthrop Laboratories562Worthington Biochemicals Corp.615Zeiss, Carl, Inc.500	Sanborn Co. Sargent, E. H., & Co. Schwarz BioResearch, Inc. Scientific Glass Apparatus Co., Inc.	. 468 . 460 . 574 . 478 . 591
Technicon Chromatography Corp.606Texas Instruments Inc.477Thermolyne Corp.569TIAA583Tracerlab, Inc.488, 600Tri-R Instruments600Unitron Instrument Co.469Vanguard Instrument Co.492Varian Associates473Victoreen Instrument Co.479VirTis Co., Inc.481, 585Wild Heerbrugg Instruments, Inc.577Wilkens-Anderson Co.566Wilkins Instrument & Research Inc.618Will Corp.592Williams & Wilkins Co.495Winthrop Laboratories562Worthington Biochemicals Corp.615Zeiss, Carl, Inc.500	Sigma Chemical Co. Sigma motor, Inc. Sorvall, Ivan, Inc. Standard Scientific Supply Corp. Stoelting, C. H., Co.	. 589 . 600 . 599 . 578 . 614
Unitron Instrument Co.469Vanguard Instrument Co.492Varian Associates473Victoreen Instrument Co.479VirTis Co., Inc.481, 585Wild Heerbrugg Instruments, Inc.577Wilkens-Anderson Co.566Wilkins Instrument & Research Inc.618Will Corp.592Williams & Wilkins Co.495Winthrop Laboratories562Worthington Biochemicals Corp.615Zeiss, Carl, Inc.500	Technicon Chromatography Corp.         Texas Instruments Inc.         Thermolyne Corp.         TIAA         Tracerlab, Inc.         488,	606 477 569 583 600
Vanguard Instrument Co.492Varian Associates473Victoreen Instrument Co.479VirTis Co., Inc.481, 585Wild Heerbrugg Instruments, Inc.577Wilkens-Anderson Co.566Wilkins Instrument & Research Inc.618Will Corp.592Williams & Wilkins Co.495Winthrop Laboratories562Worthington Biochemicals Corp.615Zeiss, Carl, Inc.500		
Wild Heerbrugg Instruments, Inc.577Wilkens-Anderson Co.566Wilkins Instrument & Research Inc.618Will Corp.592Williams & Wilkins Co.495Winthrop Laboratories562Worthington Biochemicals Corp.615Zeiss, Carl, Inc.500	Vanguard Instrument Co	. 492 . 473 . 479
	Wilkens-Anderson Co. Wilkins Instrument & Research Inc. Will Corp. Williams & Wilkins Co.	.566 .618 .592 .495 .562

## PERSONNEL PLACEMENT

CLASSIFIED: Positions Wanted. 25¢ per word, minimum charge \$4. Use of Box Number counts as 10 additional words. Payment in advance is required.

COPY for ads must reach SCIENCE 2 weeks before issue date (Friday of every week). betore issue date (Friday of every week). DISPLAY: Positions Open. Rates listed be-low---no charge for Box Number. Rates net. No agency commission allowed for ads under 4 inches. No cash discount. Minimum ad: 1 inch. Ads over 1 inch will be billed to the nearest quarter inch. Frequency rate will apply to only repeat of same ad. No copy changes. Payment in advance is required except where satisfactory credit has been es-tablished.

\$50.00 per inch 48.00 per inch Single insertion 4 times in 1 year

For PROOFS on display ads, copy must reach SCIENCE 4 weeks before date of issue (Friday of every week).

Replies to blind ads should be addressed as follows: Box (give number)

1515 Massachusetts Ave., NW Washington 5, D.C.

#### POSITIONS WANTED

Anatomist Ph.D. Experienced, academic research and teaching, industrial research. Desires univer-sity position. Box 30, SCIENCE. 2/16, 23; 3/2, 9, 16

Biological Instrumentation. B.A. in physics, 5 years' experience nuclear instrumentation, transistor circuitry, computer techniques. Desires position applying physical techniques to biological experimentation. Box 36, SCIENCE. X

Microbiologist-Biochemist, Ph.D. 1955; age 33; industrial, academic experience; wide background; fermentations; general microbiology, antibiotics, microbial biochemistry, chemotherapy. Box 39, SCIENCE. X

Parasitologist-Zoologist, Ph.D., male, family, Diversified experience. Desires academic appoint Diversified experience. Des ment. Box 37, SCIENCE.

Pharmacologist. Head of industrial research pharmacology department wishes to relocate. Ex-perienced in drug evaluation, toxicology, and re-search administration. Box 38, SCIENCE. X

(a) Ph.D. Zoology, desires teaching/research in parasitology. (b) Ph.D. Psychologist, teaching, supervisory; clinical interest. (c) Pharmacologist, Ph.D. interested in neuropharmacology research. (Please write for information regarding these and other scientists, senior and junior, in all fields; nationwide and very active service.) Science Divi-sion, THE MEDICAL BUREAU, INC., Burneice Larson, Chairman, 900 N. Michigan Avenue, Chicago 11, Illinois.

Radiologist, M.D., New York City, desires part-time position as consultant basic radiobiological microbiological research. Box 40, SCIENCE. X

POSITIONS OPEN

#### BIOCHEMIST

Man with B.S. or M.S. to assist in investi-gation of new drug metabolism, emphasis on gas chromatography, modern separation and analytical techniques. Write, sending résumé, to Technical Personnel Manager, **Parke**, **Davis & Company**, Research Laboratory, Ann Arbor, Mich.

Research Biochemist. Ph.D. with strong back-ground in protein chemistry to pursue basic re-search in area of protein isolation, characteriza-tion and enzyme mechanism. Well-equipped Gov-ernment laboratory, Louisville, Kentucky, area. Position in Career Federal Service. Academic affiliation with neighboring university possible. GS-level and salary depending upon experience. Applicant must qualify under the appropriate civil service examination. Civilian Personnel Offi-cer, U.S. Army Medical Research Laboratory, Fort Knox, Kentucky.

16 FEBRUARY 1962

### POSITIONS OPEN

Specialists in EARTH SCIENCES, MATERIALS, ELECTRONICS, and METALLURGY needed for analysis and documentation of current re-search activity. Requires interest in and compre-hension of latest research developments and trends. Opportunity for experience in new fields of scientific documentation and information ex-change. Salaries open. Send résumés to the Di-rector, Science Information Exchange, Smithson-ian Institution, 1825 Connecticut Avenue, Wash-ington 9, D.C. 2/9, 16, 23

#### **BIOCHEMIST-PHYSIOLOGIST**

Expanding midwestern pharmaceutical com-pany has opportunity for Ph.D. biochemist-physiologist to conduct fundamental re-search related to atherosclerosis and/or obesity. Postdoctoral experience preferred.

An equal opportunity employer. Please send complete résumé to

Technical Employment Coordinator THE UPJOHN CO. Kalamazoo, Michigan

#### CLINICAL BIOCHEMIST

Ph.D. preferred to supervise clinical chem-istry laboratory of large general hospital. Opportunity for professional growth, re-search encouraged, medical school affilia-tion. Salary dependent on experience. Reply

**Box 31, SCIENCE** 

#### **COMMUNICATIONS-MINDED BIOLOGIST**

Growing information service (East) requires Editor-Administrator.

- Is yours broad training in biology with concentration in one or more areas? 1) Is
- 2) Have you thought of directing re-search/teaching experience into chal-lenging key position in field of bio-logical communication?
- Send personal-professional data and salary requirements to

**Box 35, SCIENCE** 

#### Entomologist-Parasitologist, Geneticist, Experimental Embryologist (Ph.D.)

Teaching and research position. September, 1962. Catholic University in Metropolitan 1962. area.

**Box 29, SCIENCE** 

**MEDICAL RESEARCH SCIENTIST** of proven ability, for associate-professorship-level research post in anatomy, biochemistry, pathology, phar-macology or physiology (basic-science or clini-cal science). Some teaching. Send résumé, with indication of research field and salary desired, to Director of Research Affairs, College of Osteopathic Medicine and Surgery, Des Moines 9, Iowa.

**PHYSICAL CHEMIST—M.S. or Ph.D.** To pro-vide the hospital with a specialized knowledge of physical chemistry as applied to a clinical medical laboratory, with the intent of aiding the hospital in maintaining a position of leadership in the field of clinical chemistry. As a part of the hospital's growing medical research team would be working toward the acceleration of the development of new chemistry procedures, organized research and teaching. St. Luke's hospital is a 263-bed fully accredited, expanding progressive private general hospital in a new residential area. Include résumé with inquiry to Personnel Department, ST. LUKE'S HOSPITAL, 2900 West Oklahoma Ave-nue, Milwaukee 15, Wisconsin.

#### POSITIONS OPEN

BIOPHYSICIST (SENIOR) \$7000-\$8480. B.S. with 18 hours in physics, 6 hours in biological sci-ences, and 6 hours in either chemistry or biology plus 2 years of experience in biophysics or related field or a satisfactory equivalent of the above train-ing and experience. Graduate study can be sub-stituted for experience. The position is located in Albany, N.Y. For further information write: Re-cruitment Unit, New York State Department of Civil Service, State Campus, Box 58B, Albany 1, N.Y. 2/23; 3/2

Laboratory Technician. Large general teaching hospital, must be college graduate and registered ASCP. Responsible for teaching medical students. Experience in blood bank preferred. Must be able to meet the public. Excellent salary and working conditions. Send résumé to Cleveland Metropolitan General Hospital, 3395 Scranton Road, Cleveland 9, Ohio, Personnel Relations Department.

MEDICAL and Scientific Publisher, Philadelphia, offers attractive college editorial position to col-lege graduate. Knowledge of medical or biologi-cal sciences preferable. Territory is eastern sea-board with occasional short nationwide trips. Liberal travel allowance. Position includes ob-taining new manuscripts, their evaluation for publication, and textbook promotion. Salary com-mensurate with experience. Write full particulars to Box 34, SCIENCE. 2/23; 3/2, 9

#### PATHOLOGIST M.D.

For position as Research Coordinator to assist and advise fellows in their research projects and train them in research meth-ods. Part time. Facilities for own research. Excellent opportunity for pathologist who is retiring from routine duties.

**Box 13, SCIENCE** 

### PHARMACOLOGIST-PHYSIOLOGIST, Ph. D.

Rapidly expanding midwestern chemical and pharmaceutical company has opening for well trained pharmacologist or physiologist to work on research and development of new compounds for the animal health field. Some experience in drug testing and evaluation desirable. New laboratories and facilities now being planned. Send complete résumé, including salary requirements, to Box 33.

Science

1515 Massachusetts Ave., N.W. Washington 5, D. C.

## BECOME A PHYSICAL THERAPIST

BECOME A PHYSICAL THERAPIST WHILE RECEIVING FULL SALARY Enioy a career as a graduate physical thera-pist. A year's course is open to qualified, single, female college graduates, age 21-29, with satisfactory background in psychology and the physical and biological Sciences. Sponsored by the Army Medical Service, this course is approved by the American Medical Association's Council on Medical Education and Hospitals and qualifies the graduate for membership in the American Physical Therapy Association. Association.

Association. Selected candidates receive full salary (start-ing at \$270 per month) following commis-sioning as 2nd Lieutenants in the Army Medical Specialist Corps Reserve. Additional benefits include travel expenses, free medical and dental care and 30 days leave time per vear.

year. For full details, write: The Surgeon General, Dept. of the Army, Washington 25, D.C.

#### RECENT Ph.D. IN **MICROBIAL BIOCHEMISTRY**

To do research on mechanism of action of microbial toxins. Active and expanding re-search department. Large medical center, East. Salary open.

**BOX 28, SCIENCE** 



**FELLOWSHIPS** 

#### **ORGANIC GEOCHEMIST**

**Organic Geochemist** to conduct studies dealing with organic contents of recent and ancient sediments. Join geochemical group in large petroleum company research lab-oratory with excellent facilities in suburban location. Ph.D. preferred; M.S. with several years experience considered. Submit résumé in complete confidence to

**BOX 41, SCIENCE** 

#### PARASITOLOGIST. Ph. D. or D.V.M.

Rapidly expanding progressive midwestern chemical and pharmaceutical com-pany has opening for an enthusiastic, well-trained parasitologist. Position will require research and development on new parasiticides for the animal health field. Some experience desirable. New laboratories and facilities for expansion now being planned. Send complete résumé, including salary requirements, to Box 32.

> Science 1515 Massachusetts Ave., N.W. Washington 5, D. C.

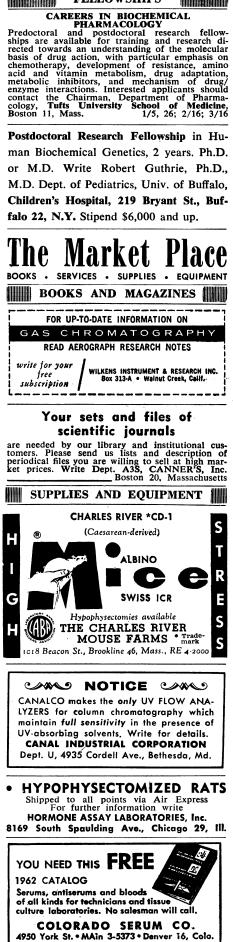
(a) Ph.D. Microbial Biochemistry for research, eastern medical center. (b) Pharmacologist-Physiologist, endocrine research; midwestern pharmaceutical house. (c) Anatomy Ph.D., bio-logical research; West, to \$9600. (d) Biochemist, Ph.D., enzyme research; Midwest. (e) Chemist, M.S. biochemical research; Midwest. (f) Ph.D., trained in immunology; top salary, East. (g) Psychiatric team; \$10,000; Midwest. Many other opportunities available for both Junior and Senior Scientists. Please write Science Division, THE MEDICAL BUREAU, INC., Burneice Larson, Chairman, 900 North Michigan Avenue, Chicago 11, Illinois. X

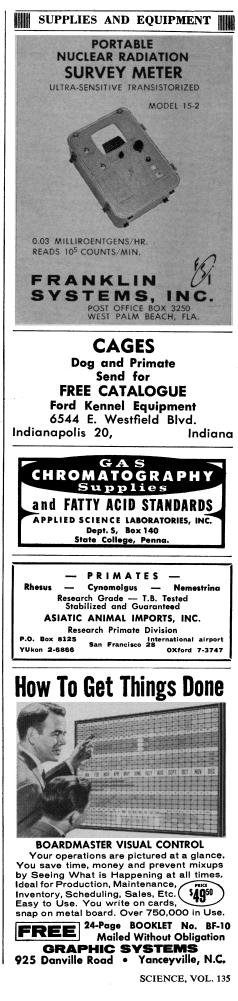
#### FELLOWSHIPS ST. CATHERINE'S COLLEGE UNIVERSITY OF OXFORD, ENGLAND

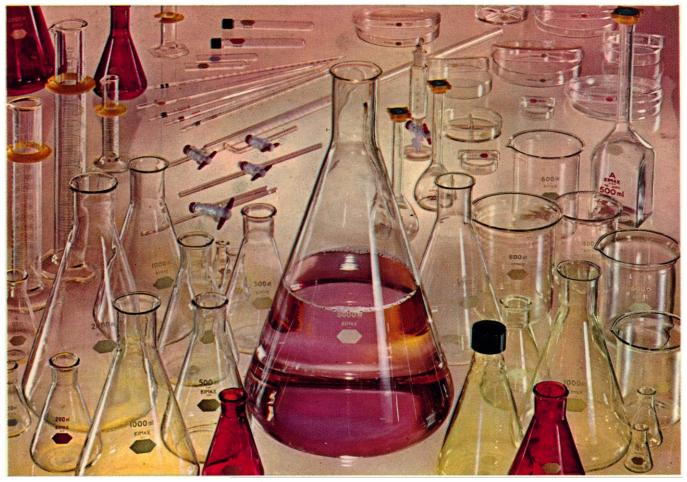
UNIVERSITY OF OXFORD, ENGLAND The college, which will open in October 1962, pro-poses to appoint four research fellows if candidates of sufficient merit present themselves. The fellowships are primarily intended for research at a postdoctoral level in the natural sciences, medicine and mathematics, but the college hopes to award one of them for research in the social sciences or humanities. Salary scale: 8550 at age 23, rising by £50 for each additional year to £1,500 at 36, plus housing and children's allow-ances. Further particulars from the Master, St. Cathe-rine's College, 42 Banbury Road, Oxford, England.

inte's College, 42 Banbury Road, Oxford, England. Applications being accepted for GRADUATE STUDY IN MICROBIOLOGY leading to the M.S. degree. GRADUATE FELLOWSHIP, \$1800 for 9 months, plus \$1200 tuition. GRADUATE TEACHING ASSISTANTSHIP (½ time: as-sisting in bacteriology or general biology labora-tories 12 hours, carry 5/6 academic course load, \$2000 plus tuition; 1/3 time: assist 8 hours, carry full course load, \$1500 plus tuition). Limited availability of summer support. New well-equipped laboratories and library. For in-formation and applications, contact Chairman, Department of Biological Sciences, Carnegie Institute of Technology, Pittsburgh 13, Penn-sylvania. Institute sylvania.

Training Fellowships For postdoctoral candidates available July 1962 at the University of Tennessee, Mem-phis. Program includes practical work in lipid methodology and the use of radioactive isotopes in the study of fat metabolism. Op-portunity to participate in research on lipid absorption, transport, metabolism and the role of lipids in atherogenesis. Please write to **Dr. D. B. Zilversmit, Dept. of Physiology.** 







New KIMAX Erlenmeyer flasks feature extra-strong rims, uniform glass wall thickness.

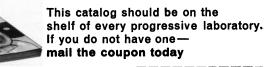
## Kimble presents new, complete lines of KIMAX Erlenmeyer Flasks in 11 styles, in sizes to 6000 ml

You'll find them in the new Kimble catalog-KIMAX<sup>®</sup> hard glass Erlenmeyer flasks in a variety of styles and sizes.

All KIMAX Erlenmeyer flasks incorporate superior, newly developed design features . . . heavy, beaded rims; uniformly thick sidewalls and bottoms; hard glass construction.

Good reason to specify KIMAX Erlenmeyers—wide or narrow mouth; clear glass or low actinic; stoppered or unstoppered. They can also be color-coded to your specifications at slight extra cost.

Add your Erlenmeyer needs to orders for beakers, Petri dishes and other KIMAX glassware. Take advantage of top discounts (28 per cent on orders of 150 cases) offered by lab supply dealers in most states.



Kimble Glass Company, Subsidiary of Owens-Illinois Dept. S-216, Toledo 1, Ohio

Please send me the new Kimble catalog which includes the expanded  $K\ensuremath{\mathsf{IMAX}}$  glassware line.

Name\_\_\_\_

Firm\_\_\_\_

Address\_\_\_\_ Position\_\_

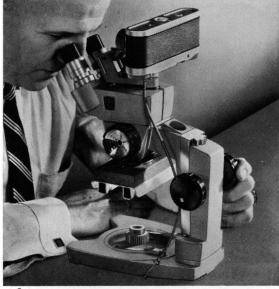
rosidon\_

EVERY DAY SEES SOMETHING NEW AT KIMBLE

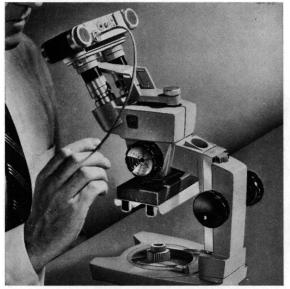
KIMBLE LABORATORY GLASSWARE AN () PRODUCT **Owens-Illinois** 

GENERAL OFFICES • TOLEDO 1, OHIO

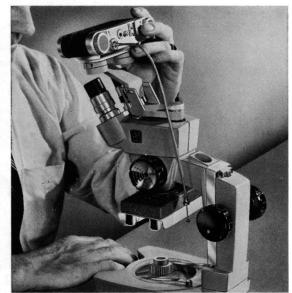
## AO Offers Low-Cost Stereophotomicrography ... in just three easy steps



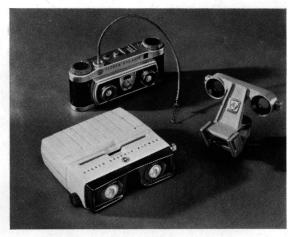
SET the focusing adjustment on your AO Spencer Cycloptic Stereoscopic Microscope, to bring specimen into sharp focus. Camera is mounted directly to Cycloptic... out of the way...ready for instant use.



SNAP shutter with cable release. You photograph the sharp three-dimensional image exactly as you saw it. Your film processor will supply stereo mounted photographs. Now you have permanent, three-dimensional photomicrographs, in black-and-white or color, for future reference.



SWING the mounted 35mm Graflex Stereocamera into position over eyepieces. Designed exclusively for Cycloptic, special compensating prisms in adapter unit render camera parfocal with microscopes' optical system. Set camera for bulb exposure. No further adjustment is necessary.



The full-size Graflex Stereoviewer, with built-in light source, completes this easy-to-use 3-D photo package. You can review your findings over and over again . . . anytime . . . anywhere. Here is everything you need for three-dimensional photomicrography ... unique . . . easy-to-use. Available only from American Optical.

Ask your AO Sales Representative or write:

more them when when when and and and and the trans the star and the same the same the same the same the	hand which good cherry many many these these these state when these brane to be band to be brane to be been these these these	
	Dept. B-3	
	□ Please send full information on AO Spencer 637 Stereo- camera attachment.	
American 🕭 Optical	□ Also include information on AO Spencer Cycloptic Stereoscopic Microscopes.	
COMPANY	Name	
INSTRUMENT DIVISION, BUFFALO 15, NEW YORK	Address	
	CityZoneState	
IN CANADA write - American Optical Company Canada Ltd., Box 40, Terminal A, Toronto, Ontario.		