

studied. From such studies it seems clear that much of the disagreement between different laboratories in earlier measurements originated from differences in state population of beams from different ion sources.

In the thermal energy range, the methods involving flowing pulsed, after-glow, which were devised by E. E. Ferguson and his associates (U.S.A.), were particularly impressive. Also impressive was their tabulation of a large number of measured rates for processes occurring in the upper atmosphere.

Numerous experiments delved into less well-defined problem areas relating to excitation, ionization, and heavy particle collisions. The supply of entirely unexpected observations reported is ample to keep the theoreticians hard at work for a number of years.

The conference was invited by N. V. Fedorenko to meet next in Leningrad in 1967, a proposal which was accepted with great enthusiasm.

W. L. FITE
E. GERJUOY

*Department of Physics and
Space Research Coordination Center,
University of Pittsburgh,
Pittsburgh, Pennsylvania*

Forthcoming Events

October

30-2. American Speech and Hearing Assoc., Chicago, Ill. (K. O. Johnson, 1001 Connecticut Ave., NW, Washington, D.C.)

31-4. American Soc. of Agronomy, 57th annual, Columbus, Ohio. (ASA, 677 South Segoe Rd., Madison, Wis. 53711)

31-5. Society of Motion Picture and Television Engineers, 98th technical conf., Montreal, P.Q., Canada. (SMPTE, 9 E. 41 St., New York 10017)

31-5. American Soc. for Testing and Materials, 5th Pacific area natl., Seattle, Wash. (H. H. Hamilton, ASTM, 1916 Race St., Philadelphia, Pa. 19103)

November

1-3. Development of the Lung, Ciba Foundation symp., London, England. (Ciba, 41 Portland Pl., London, W.1)

1-3. American Physical Soc., southeastern section, Charlottesville, Va. (H. Carr, Auburn Univ., Auburn, Ala.)

1-3. Industrial Static Power Conversion, conf., Philadelphia, Pa. (L. W. Morton, General Electric Co., Bldg. #2, Schenectady 5, N.Y.)

1-3. Information Processing in Sight Sensory Systems, California Inst. of Technology, Pasadena. (E. D. Johnson, 208 Booth Computing Center, California Inst. of Technology, Pasadena 91109)

1-3. Systems, intern. meeting, Chicago,

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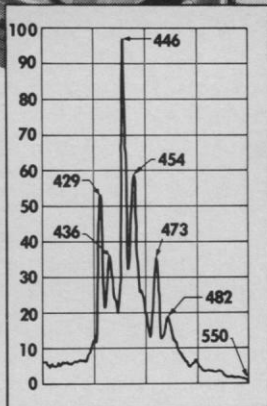
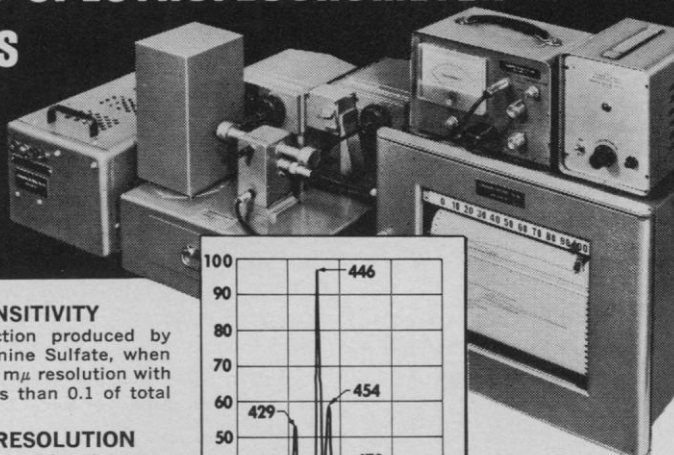
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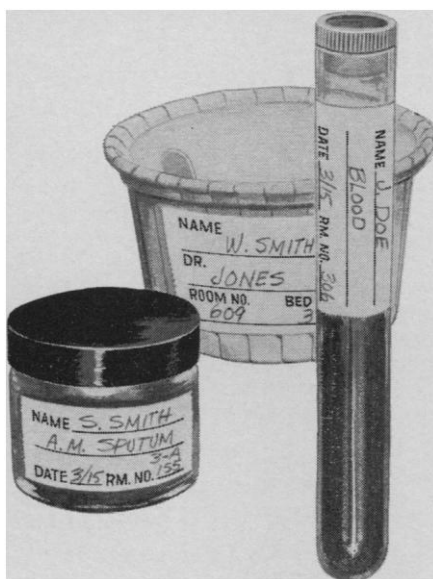
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1-4. American Soc. of Agronomy, Columbus, Ohio. (M. Stelly, ASA, 677 S. Segoe Rd., Madison, Wis. 53711)

1-4. **Radioactive Pharmaceuticals**, symp., Gatlinburg, Tenn. (Chairman's Office, Medical Div., Oak Ridge Inst. of Nuclear Studies, Oak Ridge, Tenn. 37831)

1-5. American Dietetic Assoc., 48th annual, Cleveland, Ohio. (ADA, 620 North Michigan Ave., Chicago, Ill. 60611)

The following meetings will be held under the **U.S.-Japan Cooperative Science Program** for November. Information is available from N. P. Neureiter, Office of International Activities, National Science Foundation, Washington, D.C.

1-5. **Congenital Malformations and Cancer**, planning meeting, Tokyo, Japan.

4-5. **Range of Deviation among Cancer Cells**, conf., Kyoto, Japan.

15-18. **Bulk Sampling**, seminar, Tokyo, Japan.

1-7. **Military Medicine and Pharmacy**, 18th intern. congr., Bangkok, Thailand. (J. Voncken, Intern. Committee of Military Medicine and Pharmacy, 79, rue Saint-Laurent, Liege, Belgium)

2-4. New England **Research and Engineering Meeting (NEREM)**, Boston, Mass. (IEEE Boston Office, 313 Washington, Newton, Mass.)

2-4. **Space Electronics**, intern. symp., Inst. of Electrical and Electronics Engineers, Miami Beach, Fla. (A. J. Wood, Office of Information, Public Information Div., Patrick Air Force Base, Fla.)

2-5. Use of the **Baboon as an Experimental Animal**, 2nd intern. symp., San Antonio, Tex. (L. R. Smith, Southwest Foundation for Research and Education, P.O. Box 2296, San Antonio 78206)

2-6. American Soc. of **Oral Surgeons**, annual, Denver, Colo. (G. A. Malecki, ASOS, 919 North Michigan Ave., Chicago, Ill.)

3-4. **Automation**, conf., Oslo, Norway. (Studieselskapet Forkninsveien, Oslo 3)

3-4. American College of **Clinical Pharmacology and Chemotherapy**, Chicago, Ill. (D. E. Hutcheon, The College, 7 E. 82 St., New York 10028)

3-5. **Data Processing**, intern. fall conf., Dallas, Tex. (Conference Registrar, P.O. Box 2665, Dallas 75221)

3-5. **Diffraction**, 23rd Pittsburgh conf., Pittsburgh, Pa. (B. R. Banerjee, Crucible Steel Co., 234 Atwood, Pittsburgh 15213)

3-5. Society of **Engineering Science**, 3rd technical, Univ. of California, Davis. (A. C. Eringen, School of Aeronautics, Astronautics and Engineering Sciences, Purdue Univ., Lafayette, Ind. 47907)

3-5. American Soc. of **Tropical Medicine and Hygiene**, New Orleans, La. (G. M. Jeffrey, P.O. Box 295, Kensington, Md.)

3-6. **Acoustical Soc. of America**, St. Louis, Mo. (W. Waterfall, American Inst. of Physics, 335 E. 45 St., New York 10017)

3-8. French Soc. of **Orthopedics and Traumatology**, 40th annual, Paris. (D. P. Masse, FSOT, Pavillon Ollier, Hôpital Cochin, 27 rue du Faubourg Saint-Jacques, Paris 14^e)

3-12. Intergovernmental **Oceanographic Commission**, 4th session, Paris, France. (Office of Oceanography, UNESCO, Pl. de Fontenoy, Paris 7^e)

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4-5. **Operations Research Soc. of America**, Houston, Tex. (N. E. Miller III, Mt. Royal and Guilford Aves., Baltimore, Md. 21202)

4-5. **Rheumatology**, Czechoslovak-Polish meeting, Prague, Czechoslovakia. (F. Lenoch, Na Slupi 4, Prague 2)

4-6. **American Soc. of Cytology**, 13th annual scientific. New York, N.Y. (W. R. Lang, 1012 Walnut St., Philadelphia, Pa. 19107)

4-6. **Society of Economic Geologists**, Kansas City, Mo. (J. O. Kalliokoski, Dept. of Geology, Princeton Univ., Princeton, N.J. 98540)

4-6. **Geological Soc. of America**, Kansas City, Mo. (R. C. Becker, GSA, 231 E. 46 St., New York 10017)

4-6. **National Assoc. of Geology Teachers**, Kansas City, Mo. (M. B. Rosalsky, Dept. of Geology, City College of New York, New York 10031)

4-6. **Southwestern Medical Assoc.**, 47th annual, El Paso, Tex. (S. Heinemann, 310 N. Stanton, El Paso)

4-6. **Paleontological Soc.**, Kansas City, Mo. (R. L. Langenheim, Jr., Dept. of Geology, Univ. of Illinois, Urbana)

5-6. **Cancer of the Gastrointestinal Tract**, 10th annual clinical conf., Univ. of Texas M. D. Anderson Hospital and Tumor Clinic, Houston. (R. L. Clark, M. D. Anderson Hospital and Tumor Inst., Univ. of Texas, Houston 25)

5-6. **Society for Psychosomatic Research**, London, England. (C. J. Lucas, Student Health Centre, 17 Gordon St., London W.C.1)

5-7. **American Translators Assoc.**, natl. conv., Washington, D.C. (Suite 2157, 630 Fifth Ave., New York 10020)

6-7. **American Soc. for Colposcopy and Colpomicroscopy**, annual, New York, N.Y. (D. Schildwaechter, 4219 Chester Ave., Philadelphia, Pa.)

6-7. **International College of Dentists**, Las Vegas, Nev. (H. O. Westerdahl, 4829 Minnetonka Blvd., Minneapolis, Minn. 55416)

6-20. **International Federation of Thermalism and Climatism**, Israel. (A. Schirmer, Fédération Intern. du Thermalisme et du Climatisme, Stadtbachstr. 12, Baden, Switzerland)

7. **American College of Dentists**, Las Vegas, Nev. (O. W. Brandhorst, 4236 Lindell Blvd., St. Louis, Mo.)

7-9. **American Science Film Assoc.**, annual, Washington, D.C. (ASFA, 1319 F St., NW, Washington 20004)

7-10. **Automation**, British conf., Eastbourne, England. (Inst. of Production Engineers, 10 Chesterfield St., Mayfair, London, W.1)

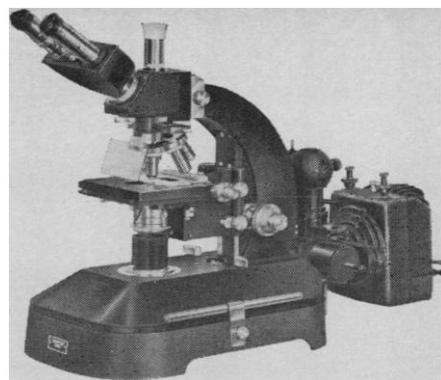
7-11. **American Soc. of Mechanical Engineers**, winter annual mtg., Chicago, Ill. (ASME, 345 East 47 St., New York)

7-12. **Anatomical Pathology**, 5th Latin American congr., Lima, Peru. (J. J. Andujar, P.O. Box 118, Fort Worth, Tex.)

7-13. **Paediatrics**, 11th intern. congr., Tokyo, Japan. (K. Nakamura, Dept. of Pediatrics, Univ. of Tokyo, P.O. Box 18, Hongo, Tokyo)

7-14. **Vienna Univ. of Technology**, 150th anniversary celebration, Vienna, Austria. (Technische Hochschule, Guss-hausstr. 23, Vienna 4)

8-9. **Engineering in the Practice of Medicine**, Philadelphia, Pa. (S. Rosen,



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Dept. of Medicine, Hahnemann Medical College, 230 N. Broad St., Philadelphia 19102)

8-11. American Dental Assoc., Las Vegas, Nev. (H. Hillenbrand, 222 E. Superior St., Chicago, Ill. 60611)

8-11. Insecticide and Fungicide, 3rd British conf., Brighton, England. (Secretary, 140 Bensham Lane, Thornton Heath, Surrey, England)

8-11. Nutrition, Western Hemisphere Congr., Chicago, Ill. (Dept. of Foods and Nutrition, American Medical Assoc., 535 North Dearborn, Chicago 60610)

8-11. Quality Control, intern. Congr., Tokyo, Japan. (Union of Japanese Scientists and Engineers, c/o Sakata Bldg., 3 Muromachi 4-chome, Nihombashi, Chuo-ku, Tokyo)

8-13. Austrian Medical Congr., 19th annual, Vienna. (M. Schnardt, Österreichische Ärztekammer, Referat für Ärztliche Fortbildung, Weihburggasse 10-12, Vienna I)

9-12. Seismic Models, symp., Prague, Czechoslovakia. (V. Karnik and J. Vanek, Inst. of Geophysics, Czechoslovak Acad. of Sciences, Bocni II, Prague 13-Sporilov)

9-13. Asociación Médica de Puerto Rico, Santurce. (J. A. Ramirez, 13-5 Fernandez Juncos Ave., Santurce)

10-11. Power Applications of Controllable Semiconductor Devices, conf., London, England. (Secretary, Inst. of Electrical Engineers, Savoy Pl., London, W.C.2)

10-12. American Soc. for Cell Biology, 5th, Philadelphia, Pa. (M. J. Moses, Box 2982, Duke Univ. Medical Center, Durham, N.C. 27706)

10-12. Engineering in Medicine and Biology, 18th annual conf., Philadelphia, Pa. (H. P. Schwan, Moore School of Electrical Engineering, Univ. of Pennsylvania, Philadelphia 19104)

10-12. Isotope Techniques in the Hydrologic Cycle, symp., Univ. of Illinois, Urbana. (G. E. Stout, Meteorology Section, Illinois State Water Survey, Univ. of Illinois, Urbana)

10-13. Respiratory Therapy, 2nd New England conf., Boston, Mass. (D. Crocker, Children's Hospital Medical Center, 300 Longwood Ave., Boston 15)

10-20. Development of Petroleum Resources of Asia and the Far East, 3rd symp., Tokyo, Japan. (S. Santitham, Rajadarn Ave., Bangkok, Thailand)

11-12. Kentucky Acad. of Science, Univ. of Kentucky, Lexington. (D. M. Lindsay, Georgetown College, Georgetown, Ky.)

11-13. Gerontological Soc., 18th annual, Los Angeles, Calif. (W. D. Obrist, Dept. of Psychiatry, Duke Univ. Medical Center, Durham, N.C. 27706)

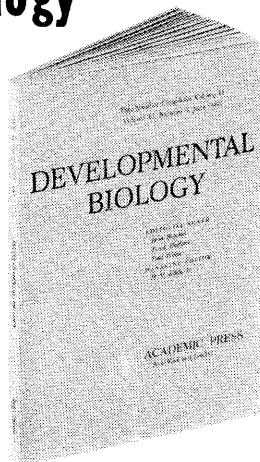
11-13. Bases for Nuclear Spin-Parity Assignments, conf., Gatlinburg, Tenn. (F. K. McGowan, Oak Ridge Natl. Laboratory, P.O. Box X, Oak Ridge, Tenn. 37831)

12-13. Clinical Pathology of Infancy, Assoc. of Clinical Scientists, Washington, D.C. (F. W. Sunderman, 1833 DeLancey Pl., Philadelphia, Pa. 19103)

12-13. Society for Industrial and Applied Mathematics, western regional, Seattle, Wash. (B. H. Colvin, Boeing Scientific Research Laboratories, P.O. Box 3981, Seattle)

12-14. Association of Clinical Scientists, Washington, D.C. (R. MacFate, 300 N. State St., No. 5322, Chicago, Ill. 60610)

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Y. KURODA and T. NAGATANI, Experimentally Induced Changes in Fructose-1, 6-diphosphatase Activity in Embryonic Chick Liver and Heart Cells in Vitro.

GENTARO USUKU and JEROME GROSS, Morphologic Studies of Connective Tissue Resorption in the Tail Fin of Metamorphosing Bullfrog Tadpole.

H. D. BEREDES, The Induction of Changes in Chromosomal Activity in Different Polyene Types of Cell in *Drosophila hydei*.

LISELOTTE MEZGER-FREED and JANE M. OPPENHEIMER, Ribonucleic Acid Base Composition in the Developing Amphibian Optic Cup-Lens System.

M. H. MOSCONA and A. A. MOSCONA, Control of Differentiation in Aggregates of Embryonic Skin Cells: Suppression of Feather Morphogenesis by Cells from Other Tissues.

ELIAS SHAAYA and PETER KARLSON, Der Ecdysontiter während der Insektenentwicklung, IV. Die Entwicklung der Lepidopteren *Bombyx mori* L. und *Cerura vinula* L.

MARY GRIFFITHS, A Study of the Synthesis of Naphthaquinone Pigments by the Larvae of Two Species of Sea Urchins and Their Reciprocal Hybrids.

STANLEY SHOSTAK, The Re-formation of the Epidermis of Embryonic *Rana pipiens* Following treatment with Ultrasound.

SOFIA P. FABRO and L. M. RINALDINI, Loss of Ascorbic Acid Synthesis in Embryonic Development.

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12-15. **Neutrality of Medicine**, 2nd intern. Congr., Paris, France. (R. Ellenboger, Ministère des Anciens Combattants et Victimes de Guerre, 37, rue de Bellechasse, Paris 7^e)

14-15. **National Medical Foundation for Eye Care**, Chicago, Ill. (L. A. Zupan, Room 6, 1100 17th St., NW, Washington, D.C.)

14-16. **Hedrologicum Conlegium**, Intern. Soc. for the Study of **Diseases of the Colon and Rectum**, 2nd Congr., Tokyo, Japan. (J. F. Montague, 104 E. 40 St., New York 10016)

14-17. **Southern Medical Assoc.**, Washington, D.C. (R. F. Butts, 2601 Highland Ave., Birmingham 5, Ala.)

14-18. **Mexican Dental Assoc.**, 1st intern. Congr., Mexico City. (R. Espinosa de la Sierra, Asociación Dental Mexicana, Sinaloa no. 9, Mexico 7, D.F.)

14-18. **Dental**, Pacific intern. conf., Honolulu, Hawaii. (W. A. Wakai, 291 Alexander Young Bldg., Honolulu 96813)

14-18. **Society of Exploration Geophysicists**, 35th annual intern., Dallas, Tex. (Dallas Geophysical Soc., Dallas)

14-19. **American Acad. of Ophthalmology and Otolaryngology**, Chicago, Ill. (W. L. Benedict, 15 Second St., SW, Rochester, Minn.)

14-21. **Air Pollution**, 1st world Congr., Buenos Aires, Argentina. (D. D. Torti, Asociación Argentina Contra la Contaminación del Aire, Sarmiento 680, Buenos Aires)

15-16. **Hypervelocity Techniques**, 4th symp., Tullahoma, Tenn. (J. Lukasiewicz, vonKarman Gas Dynamics Facility, ARO, Inc., Arnold Air Force Station, Tenn. 37706)

15-16. **Science conf.**, 4th annual, Belfer Graduate School of Science, Yeshiva Univ., New York, N.Y. (A. Gelbart, Belfer Graduate School of Science, Amsterdam Ave. and 186th St., New York 10033)

15-17. **Association of Military Surgeons of the U.S.**, Washington, D.C. (F. E. Wilson, 1500 Massachusetts Ave., NW, Washington, D.C.)

15-18. **Aircraft Design and Technology**, Los Angeles, Calif. (American Inst. of Aeronautics and Astronautics, 1290 Sixth Ave., New York 10019)

15-18. **Information Problems in the Drug Industry**, conf., Philadelphia, Pa. (C. P. Butcher, Graduate School of Library Science, Drexel Inst. of Technology, 32nd and Chestnut Sts., Philadelphia 19104)

15-18. **American Nuclear Soc./Atomic Industrial Forum**, winter meeting, Washington, D.C. (O. J. DuTemple, American Nuclear Soc., 244 E. Ogden Ave., Hinsdale, Ill. 60521)

15-19. **Animal Care Panel**, 16th annual, Philadelphia, Pa. (H. P. Schneider, Hahnemann Medical College, 230 N. Broad St., Philadelphia 19102)

15-19. **Gulf and Caribbean Fisheries Inst.**, 18th annual session, Miami, Fla. (Executive Secretary, 1 Rickenbacker Causeway, Miami 33149)

15-19. **Magnetism and Magnetic Materials**, San Francisco, Calif. (W. D. Doyle, Franklin Inst. Laboratories, Philadelphia, Pa.)

15-19. **World Federation for Mental Health**, 18th annual, Bangkok, Thailand.



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(F. Cloutier, 1, rue Gevray, Geneva, Switzerland)

15-19. Disposal of **Radioactive Wastes** into the Sea and Fresh Waters, symp., Vienna, Austria. (Intern. Atomic Energy Agency, 11 Kärntnerring, Vienna I)

15-20. **Productivity, Technology, and Change**, conf., London, England. (British Productivity Council, Vintry House, Queen St. Pl., London, E.C.4)

16-18. **Physics of Failure in Electronics**, 4th annual symp., Chicago, Ill. (M. Goldberg, IIT Research Inst., 10 W. 35 St., Chicago 60616)

16-18. **Spacecraft Sterilization Technology**, 1st natl. conf., California Inst. of Technology, Pasadena. (Office of Space Science and Applications, NASA, 400 Maryland Ave., SW, Washington, D.C.)

17-19. Eastern **Analytical Symp.**, New York, N.Y. (M. E. McGoldrick, Armco Steel Corp., P.O. Box 1697, Baltimore, Md. 21203)

17-19. **Micrography**, intern. congr., Tokyo, Japan. (Mrs. J. Lang, 2501 Hudson Rd., St. Paul, Minn. 55119)

17-20. Canadian **Cardiovascular Soc.**, Winnipeg, Man. (J. B. Armstrong, 1130 Bay St., Toronto 5, Ont.)

17-20. **Hyperbaric Oxygenation**, 3rd intern. conf., Duke Univ. Medical Center, Durham, N.C. (I. W. Brown, Jr., Dept. of Surgery, Duke Univ. Medical Center, Durham)

18. Society of Military **Otolaryngologists**, Chicago, Ill. (G. R. Hart, Box 223, U.S. Naval Hospital, Philadelphia, Pa.)

18-19. **Computational Methods in Crystallography**, conf., London, England. (Meetings Officer, Inst. of Physics and the Physical Soc., 47 Belgrave Sq., London, S.W.1)

18-19. **Electronics**, Mid-America conf., Kansas City, Mo. (W. Wiley, Bonzer Inc., 11111 W. 59th Terrace, Shawnee, Kan.)

18-21. American **Anthropological Assoc.**, Denver, Colo. (S. T. Boggs, 1530 P St., NW, Washington, D.C. 20005)

18-24. **Tropical Oceanography**, intern. conf., Miami Beach, Fla. (F. F. Koczy, Inst. of Marine Science, Univ. of Miami, Miami 33149)

20-21. American **Folklore Soc.**, Denver, Colo. (T. P. Coffin, Box 5, Bennett Hall, Univ. of Pennsylvania, Philadelphia 19104)

21-26. **Orthopedics and Traumatology**, 6th Latin American congr., Lima, Peru. (G. de Velasco Polo, Zacatecas 117, Mexico 7, D.F.)

22-24. **Electromagnetic Sensing of Earth by Satellites**, intern. symp., Coral Gables, Fla. (R. Zirkind, Polytechnic Inst. of Brooklyn, Graduate Center, Farmingdale, L.I., N.Y.)

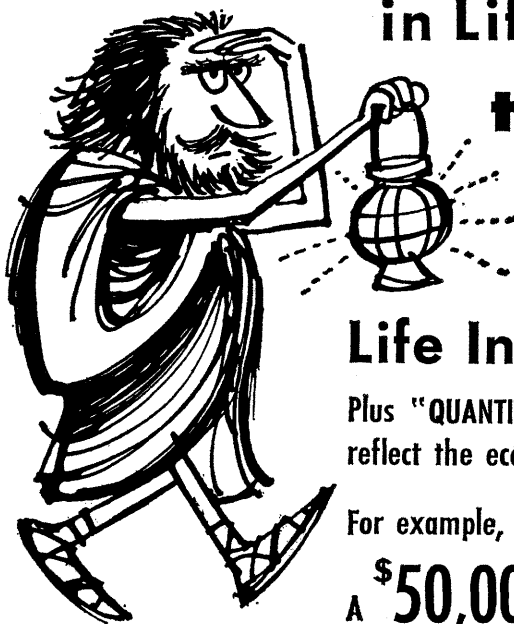
22-26. **Nuclear Electronics**, conf., Bombay, India. (K. Zybylski, Div. of Scientific and Technical Information, Intern. Atomic Energy Agency, 11 Kärntnerring, Vienna, Austria)

22-26. **Plutonium**, intern. conf., London, England. (Inst. of Metals, 17 Belgrave Sq., London, S.W.1)

22-3. **Volcanology**, intern. symp., Auckland and Wellington, New Zealand. (J. Healy, Dept. of Scientific and Industrial Research, Rotorua, New Zealand)

24-29. American College of **Apothecaries, Inc.**, Miami Beach, Fla. (R. E. Abrams, Hamilton Court Hotel, 39th and Chestnut St., Philadelphia, Pa. 19104)

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