

24 August. J. Hornstra, D. G. Thomas, S. Amelinckx, "Defects in semiconductors."

25 August. N. Holonyak, Jr., and R. H. Rediker, "Injection luminescence in semiconductors"; J. P. Suchet, "The crystallochemical model."

26 August. O. H. LeBlanc, Jr., R. G. Kepler, M. Silver, "Conduction phenomena in molecular crystals."

27 August. H. C. Gatos, "Semiconductor surfaces"; B. J. Kolomiyets (subject to be announced); A. R. Regel (subject to be announced).

28 August. W. Paul and M. Banus, "Semiconductors at high pressure."

Ionic Movements and Interactions in Biological, Chemical, and Physical Phenomena

George Eisenman is *chairman*.

31 August. (F. Helfferich, *discussion leader*): T. Teorell, "Transport processes in ionic membranes and excitability phenomena"; P. Meares, "The interactions of ionic fluxes across a cation-selective membrane." (A. K. Solomon, *discussion leader*): C. Bean, "Diffusion and potentials in membranes with small pores"; H. Passow, "Interactions between convection and diffusion in tubes."

1 September. (F. Snell, *discussion leader*): R. Schlögl (subject to be announced); R. H. Doremus, "Interdiffusion of ions in glass." (O. Kedem, *discussion leader*): R. M. Barrer, "Cation migration in porous crystals", R. J. Charles, "Filimentary diffusion pads in glass."

2 September. (R. M. Garrels, *discussion leader*): G. Eisenman, "Some atomic interactions underlying ionic specificity"; D. Reichenberg, "Interactions underlying ion-exchange selectivity." (J. Moore, *discussion leader*): K. S. Cole, "Electrodiffusion in cell membranes"; P. Horowitz, "Movement of ions across muscle membranes."

3 September. (J. Tobias, *discussion leader*): J. L. Kavanau, "A theory of biological membrane transformations regulated by cation displacements"; I. Tasaki, "Electrochemical behavior of intracellularly perfused squid axons." (A. M. Monnier, *discussion leader*): D. C. Tosteson, "Structural and functional components of the red cell membrane"; A. Rothstein, "Cation specificity in transport systems of yeast."

4 September. (L. J. Mullins, *discussion leader*): D. Goldman, "Membrane

structure, phospholipids, and electrical characteristics"; F. Conti, "The role of membrane structure on electrical potentials and ionic fluxes."

Proctor Academy

Biomathematics

Otto Schmitt is *chairman*.

13-17 July. (Speakers to be announced.) "Strategies for automated analysis of cardiovascular data"; "Generalization of transfer function theory applicable to biomedical studies"; "Models of bioperiodicity"; "Patterns discovering and recognizing systems"; "Phase spaces and generalized vectorial representation for biomedical problems"; "Mathematical models for tissue impedance and its measurement"; "The problem of automated medical diagnosis"; "Theoretical studies of information retrieval systems."

Biological Regulatory Mechanisms

Werner K. Maas and Bernard Horacker are *co-chairmen*.

20 July. B. Ames, P. Slonimski, B. Magasanik, N. Otsuji, "Regulation of enzyme synthesis in microorganisms."

21 July. H. Kornberg and J. Mandelstam, "Control of metabolism in microorganisms"; R. Shimke, H. C. Pitot, "Control of metabolism in cells of higher organisms."

22 July. O. Maaløe and S. Hnilica, "Replication of the genetic material"; G. Stent, F. Neidhardt, R. Laval, "Regulation of RNA synthesis in microorganisms."

23 July. A. Campbell and R. Thomas, "Control mechanisms in phage formation"; M. Sussman, "Differentiation in lower forms."

24 July. J. Tata and W. Beerman, "Hormones in growth and development."

Forthcoming Events

The scheduled sessions of the 15th International Astronautical Congress (7-12 September, Warsaw, Poland and their chairmen are:

Problems of Manned Lunar Exploration

Flight Programs (trajectory studies and rendezvous problems for a lunar mission):

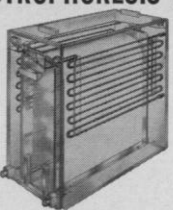
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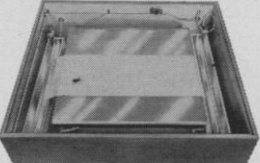
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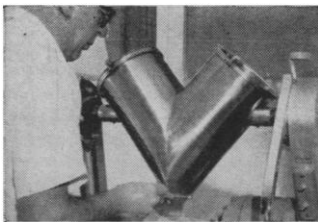
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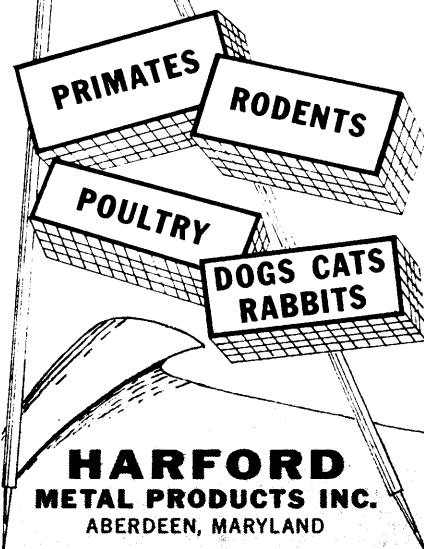
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Propulsion Techniques: (i) Spacecraft propulsion for a lunar mission: M. Summerfield, Dept. of Aeronautical Engineering, James Forrestal Research Center, Princeton University, Princeton, N.J. (ii) Propulsion for lunar descent and ascent: M. Barrère, Research Division, ONERA, 25-29 Avenue de la Division Leclerc, Chatillon-sous-Bagneux (Seine), France.

Navigation: (i) Guidance problems of a lunar mission: A. Daguët, SEREB, 55 rue Victor-Hugo, Courbevoie (Seine), France. (ii) Manned versus unmanned spacecraft control: C. S. Draper, Instrumentation Laboratory, Massachusetts Inst. of Technology, Cambridge 39.

General Sessions

Bioastronautics (problems relative to man in space): N. M. Sissakian, Presidium, Acad. of Sciences of the U.S.S.R., Lenin-ski Prospect 14, Moscow.

Power Systems for Space Vehicles (power supplies for auxiliaries and altitude control): L. R. Shepherd, 2 Charborough Rd., Broadstone, Dorset, Great Britain.

Celestial Mechanics and Astrodynamics (orbits and trajectories of space vehicles): G. N. Duboshin, State Inst. of Astronomy, Universitetski Prospect 13, Moscow, U.S.S.R.

Physical Problems of Re-entry into Planetary Atmosphere (excluding trajectory problems): M. Lunc, Marszalkowska 45/49 m20, Warsaw, Poland.

Meteorological Satellite Systems (characteristics of various systems in relation with data collection and interpretation): K. Kondratyev, Commission for Exploration and Utilization of Outer Space, ul. Vavilova 18, Moscow V-312, U.S.S.R.

Communication Satellite Systems (satellites and ground stations): G. K. C. Par-doe, British Space Development Co., Ltd., Welkin House, 10-11 Charterhouse Sq., London E.C.1.

Geodetic Satellite Systems (including triangulation, navigation, etc.): P. Tardi, Institut Géographique National, 136 bis, rue de Grenelle, Paris 7^e, France.

Ground Installations (problems of site location, types of equipment, etc.): J. Gandihon, SARST, 5 rue du 4 Septembre, Paris 2^e, France.

Special Sessions

Education in Astronautics. (i) Demonstration methods and visual aids in secondary level education; (ii) Effect of astronautics on higher level education: H. Moureu, Laboratoire Municipal de Paris, 39^b rue de Dantzig, Paris 15^e, France.

March

19-22. International Assoc. for **Dental Research**, 42nd meeting, Los Angeles, Calif. (J. C. Muhler, 1120 W. Michigan St., Indianapolis, Ind. 46202)

20-24. National Assoc. for **Research in Science Teaching**, Chicago, Ill. (G. G. Mallinson, Western Michigan Univ., Kalamazoo)

20-24. National Science Teachers

Assoc., Chicago, Ill. (R. H. Carleton, 1201 16th St., NW, Washington, D.C.)

21-3. **British Computer Soc.**, conf., Edinburgh, Scotland. (Secretariat, I.E.E., Savoy Pl., London, W.C.2, England)

21-23. **Asian-Pacific Dental Federation**, 4th congr., Singapore and Malaya. (B. B. Eraña, Manila Doctors Hospital, Isaac Peral St., P.O. Box 373, Manila, Philippines)

21-24. **Cybernetic Medicine**, 3rd intern. congr., Naples, Italy. (A. DeChiara, 348, Via Roma, Naples)

22-25. **American Assoc. of Dental Schools**, 41st annual, Los Angeles, Calif. (AADS, 840 Lake Shore Dr., Chicago 11, Ill.)

23-24. **Society for Economic Botany**, 5th annual, Chapel Hill, N.C. (D. J. Rogers, New York Botanical Garden, Bronx Park, N.Y.)

23-25. **Federation of European Biochemical Societies**, 1st, London, England. (FEBS, Lister Inst., Chelsea Bridge Rd., London, S.W.1)

23-26. **Institute of Electrical and Electronics Engineers**, intern. conv., New York, N.Y. (IEEE, Box A, Lenox Hill Station, New York 21)

23-26. **Gas Chromatography**, 2nd intern. symp., Houston, Tex. (A. Zlatkis, Dept. of Chemistry, Univ. of Houston, Houston)

23-26. **American Physical Soc.**, Philadelphia, Pa. (K. K. Darrow, Columbia Univ., New York 27)

24-26. **Physics and Dynamics of Clouds**, conf., American Meteorological Soc., Chicago, Ill. (Miss D. L. Bradbury, Dept. of Geophysical Sciences, Univ. of Chicago, Chicago)

25-27. **Aerospace Bearings**, USAF-Southwest Research Inst. conf., unclassified, San Antonio, Tex. (P. M. Ku, SwRI, 8500 Culebra Rd., San Antonio)

25-27. **Entomological Soc. of America**, Northcentral branch, Omaha, Neb. (G. E. Guyer, Dept. of Entomology, Michigan State Univ., East Lansing)

26-28. **Michigan Acad. of Science, Arts and Letters**, East Lansing (G. G. Mallinson, Western Michigan Univ., Kalamazoo)

26-28. **Southern Soc. for Philosophy and Psychology**, 56th annual, Lexington, Ky. (D. Calvin, Psychology Dept., Univ. of Kentucky, Lexington)

27-28. **American Ethnological Soc.**, Pittsburgh, Pa. (N. F. S. Woodbury, U.S. National Museum, Smithsonian Institution, Washington, D.C.)

27-28. **Seismological Soc. of America**, annual, Seattle, Wash. (K. V. Steinbrugge, SSA, 465 California St., San Francisco 4, Calif.)

27-28. **Pennsylvania Acad. of Science**, University Park, Pa. (P. C. Martin, Point Park Junior College, Pittsburgh, Pa.)

27-29. **Society for the Study of Evolution**, annual, Chapel Hill, N.C. (H. H. Ross, Illinois Natural History Survey, Urbana)

28-30. **American Assoc. of Colleges of Pharmacy**, Detroit, Mich. (C. W. Bliven, 1507 M St., NW, Washington, D.C. 20005)

29-2. **Association of American Geographers**, annual, Syracuse, N.Y. (AAG 1201 16th St., NW, Washington, D.C.)

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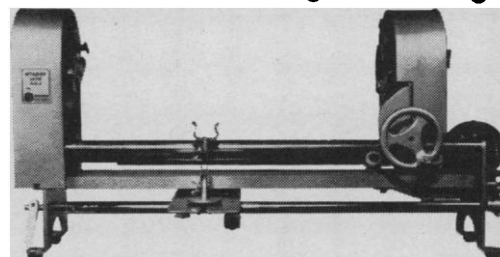
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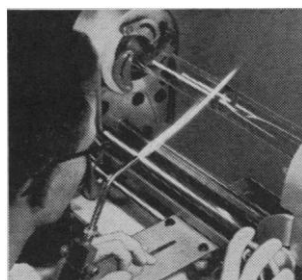
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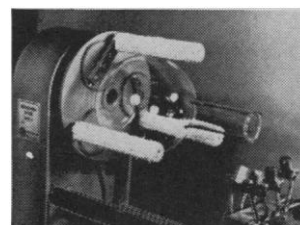


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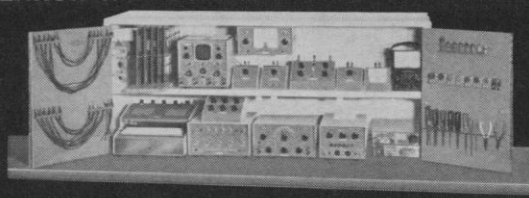
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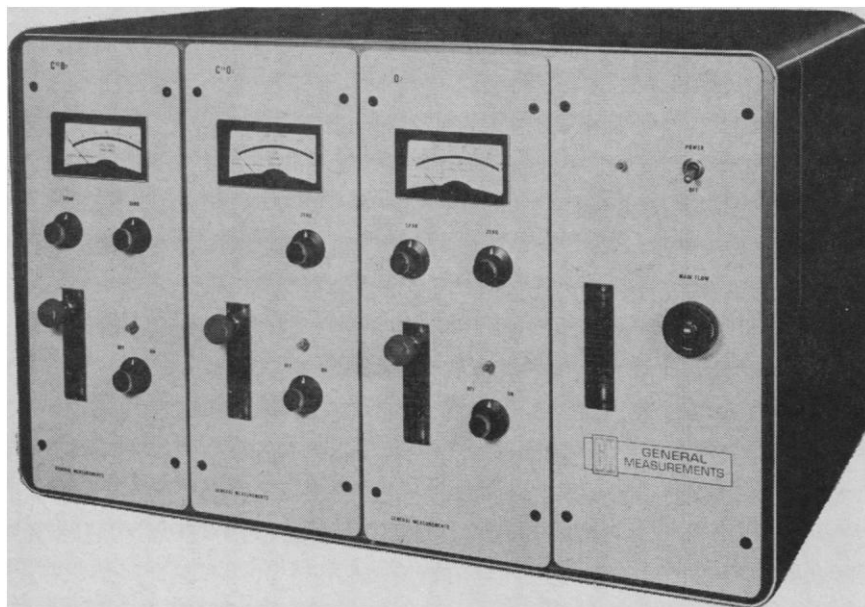
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30-2. American Assoc. of **Junior Colleges**, Bal Harbour, Fla. (W. G. Shannon, AAJC, 1777 Massachusetts Ave., NW, Washington, D.C. 20036)

31-3. American Assoc. of **Anatomists**, Denver, Colo. (L. B. Flexner, Dept. of Anatomy, Univ. of Pennsylvania, Philadelphia 4)

31-3. **Calcified Tissues**, European symp., Liège, Belgium. (L. J. Richelle, 32, Boulevard de la Constitution, Liège)

April

1. **Thermoplastic Materials**, conf., Soc. of Plastics Engineers, Akron, Ohio. (W. H. Nicol. RETEC, Goodyear Tire and Rubber Co., Akron 16)

1-2. **Engineering Aspects of Magneto-hydrodynamics**, symp., Cambridge, Mass. (G. S. Janes, Avco Everett Research Laboratories, Everett 49, Mass.)

1-2. **Methods for Measurement of Weak Beta-Emitters**, Karlsruhe-Leopoldshaven, Germany. (Gesellschaft Deutscher Chemiker, Gesellschaftsstelle, Postfach 9075, Frankfurt/Main, Germany)

1-3. **Structures and Materials**, American Inst. of Aeronautics and Astronautics, 5th annual conf., Palm Springs, Calif. (R. R. Dexter, AIAA, 2 E. 64 St., New York)

1-3. **Optical** Soc. of America, spring meeting, Washington, D.C. (M. E. Wurga, OSA, 1155 16th St., NW, Washington, D.C. 20036)

1-4. National Soc. for **Programmed Instruction**, annual, San Antonio, Tex. (NSPI Program Committee, Trinity Univ., 715 Stadium Dr., San Antonio, Tex.)

1-5. Latin **Oto-Rhino-Laryngology** Soc., 15th congr., Bologna, Italy. (G. Motta, Via Modica 6, Milan, Italy)

2-3. American Soc. of **Civil Engineers**, Engineering Mechanics Div., spring conf., Boston, Mass. (ASCE, 33 W. 39 St., New York 18)

2-3. Alexander Graham Bell Assoc. for the **Deaf**, southeastern meeting, New Orleans, La. (R. Tegeder, Utah School for the Deaf, 846 20th St., Ogden)

2-3. **Obstetrics and Gynecology**, seminar, Gainesville, Fla. (Mrs. D. Miller, Div. of Postgraduate Education, College of Medicine, Univ. of Florida, Gainesville)

2-3. **Industrial Applications of New Technology**, conf., Atlanta, Ga. (Director, Short Courses and Conferences, Georgia Inst. of Technology, Atlanta, Ga. 30332)

2-4. American Acad. of **Oral Pathology**, Bethesda, Md. (R. J. Gorlin, Univ. of Minnesota, Minneapolis)

2-4. Association of **Surgeons** of Great Britain and Ireland, annual, St. Andrews, Scotland (Secretariat, 47 Lincoln's Inn Fields, London, W.C.2, England)

2-5. **British Medical Assoc.**, clinical meeting, Northampton, England. (D. Gullick, Tavistock Sq., London, W.C.1)

3-4. **Biology** colloquium, Corvallis, Ore. (C. M. Gilmour, School of Science, Oregon State Univ., Corvallis)

3-4. Society for **Industrial and Applied Mathematics**, midwest regional meeting, Cedar Rapids, Iowa. (W. J. Jameson, Collins Radio Co., 120-11, Cedar Rapids)

3-5. **Fleming's Lysozyme**, 3rd intern. symp., Milan, Italy. (G. Podio, Museo della Scienza e della Tecnica, Via Modica, 6, Milan)

3-5. American Soc. of **Internal Medicine**, annual, Atlantic City, N.J. (A. V. Whitehall, 3410 Geary Blvd., San Francisco, Calif.)

3-5. American Assoc. of **Pathologists and Bacteriologists**, annual, Chicago, Ill. (E. A. Gall, Dept. of Pathology, Cincinnati General Hospital, Cincinnati 29, Ohio)

4. Arizona Acad. of Science, Tempe. (H. B. Whitehurst, Dept. of Chemistry, Arizona State Univ., Tempe)

4-5. American **Psychosomatic Soc.**, San Francisco, Calif. (C. Binger, 265 Nassau Rd., Roosevelt, N.Y.)

4-6. **Neurobiology**, 2nd symp. (by invitation), Phoenix, Ariz. (E. Eidelberg, Barrow Neurological Inst., St. Joseph's Hospital, 350 W. Thomas Rd., Phoenix)

5-8. International Acad. of **Pathology**, annual, Chicago, Ill. (F. K. Mostofi, Armed Forces Inst. of Pathology, Washington, D.C. 20012)

5-10. American **Chemical Soc.**, 147th natl., Philadelphia, Pa. (A. T. Winstead, 1155 16th St. NW, Washington, D.C.)

5-10. Asia-Pacific Acad. of **Ophthalmology**, 2nd congr., Melbourne, Australia. (R. N. Mellor, 82 Collins St., Melbourne C1)

6-8. **Nonlinear Magnetics Conf.**, Washington, D.C. (R. C. Barker, Dept. of Engineering and Applied Science, Yale Univ., New Haven, Conn.)

6-8. Association of Schools of **Public Health**, annual, Toronto, Ont., Canada. (R. E. Coker, Jr., Drawer 229, Chapel Hill, N.C. 27515)

6-9. French Soc. of **Biological Chemistry**, 50th, Paris. (P. Malangeau, 4 Avenue de l'Observatoire, Paris 6^e)

7-9. **Atomic Energy Soc.** of Japan, Tokyo. (Atomic Energy Research Inst., 1-1, Shiba-tamura-cho, Minato-ku, Tokyo)

7-9. **Chemical Soc.**, Birmingham, England. (General Secretary, Burlington House, London, W.1, England)

7-11. **Applied Mathematics and Mechanics**, Giessen, Germany. (K. Maruhn, Mathematisches Institut, Justus Liebig Univ., Giessen)

8-10. **Textile Research Inst.**, 34th, New York, N.Y. (TRI, Princeton, N.J.)

9. **British Cardiac Soc.**, annual, London, England. (J. Shillingford, Postgraduate Medical School, Ducane Rd., London, W. 12)

9-11. American Assoc. for **Cancer Research**, annual, Chicago, Ill. (H. J. Creech, AACR, Institute for Cancer Research, Fox Chase, Philadelphia 11, Pa.)

9-11. Association of **Clinical Pathologists**, spring meeting, London, England. (G. Cunningham, Dept. of Pathology, 47 Lincoln's Inn Fields, London, W.C.2)

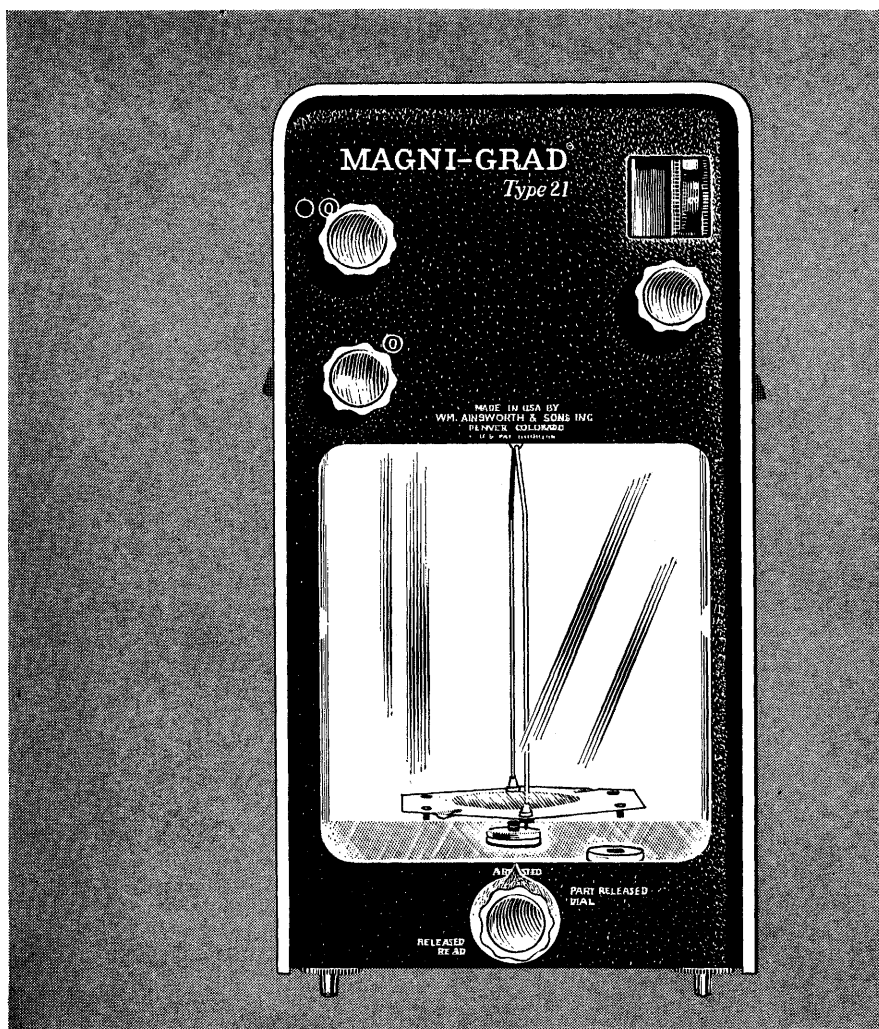
9-11. **Geological Soc.** of America, southeastern section, Baton Rouge, La. (R. J. Martin, 1426 Harvard Rd., NE, Atlanta, Ga.)

9-11. Southwestern **Psychological Assoc.**, annual, San Antonio, Tex. (C. C. Cleland, 2104 Meadowbrook Dr., Austin, Tex. 78703)

9-13. **Roentgen Congr.**, German, Wiesbaden, Germany. (H. Lossen, Deutscher Röntgenkongress, Fichterplatz 20 III, Mainz, Germany)

10. **Natural Phenolic Compounds**, symp., Tokyo, Japan. (M. Shimokoriyama, Dept.

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of Botany, Univ. of Tokyo, Hongo, Tokyo)

10-11. American **Laryngological Assoc.**, San Francisco, Calif. (L. G. Richards, 12 Clovelly Rd., Wellesley Hills 82, Mass.)

10-11. Association of **Physicians** of Great Britain and Ireland, annual, Oxford, England. (G. de J. Lee, Dept. of Medicine, Radcliffe Infirmary, Oxford)

11. **Paleontological Research Inst.**, Ithaca, N.Y. (R. S. Harris, 109 Dearborn Place, Ithaca)

11-12. **Histochemical Soc.**, 15th annual, Chicago, Ill. (A. D. Deitch, Dept. of Microbiology, Columbia Univ., 630 W. 168 St., New York 32)

12. **Industrial Fibers**, European inst., Milan, Italy. (F. Tommy-Martin, 40 rue du Stand, Geneva, Switzerland)

12-13. American Soc. for **Artificial Internal Organs**, Chicago, Ill. (B. K. Kusserow, Dept. of Pathology, Univ. of Vermont College of Medicine, Burlington)

12-17. Federation of American Societies for **Experimental Biology**, Chicago, Ill. (H. B. Lemp, The Federation, 9650 Wisconsin Ave., NW, Washington, D.C. 20014)

12-17. Society of **Motion Picture and Television Engineers**, semiannual technical conf., Los Angeles, Calif. (J. M. Waner, Eastman Kodak Co., 6706 Santa Monica Blvd., Hollywood 38, Calif.)

12-18. Chemistry of **Natural Products**, intern. symp., Kyoto, Japan. (Science Council of Japan, Ueno Park, Tokyo, Japan)

13-15. Institute of **Environmental Sciences**, annual, Philadelphia, Pa. (J. Breen, RCA Bldg., 10-1-2, Camden 2, N.J.)

13-15. **Microelectronics**, 3rd annual symp., St. Louis, Mo. (T. F. Murtha, P.O. Box 4104, St. Louis, Mo. 63136)

13-16. American Acad. of **General Practice**, Atlantic City, N.J. (M. F. Cahal, Volker Blvd. at Brookside, Kansas City 12, Mo.)

13-16. **Industrial Health**, conf., Pittsburgh, Pa. (American Industrial Health Conf., 55 E. Washington St., Chicago, Ill. 60602)

13-16. **Industrial Medical Assoc.** and American Assoc. of **Industrial Nurses**, Pittsburgh, Pa. (C. D. Bridges, 55 E. Washington St., Chicago, Ill. 60602)

13-16. American **Radium Soc.**, White Sulphur Springs, W. Va. (J. J. Stein, U.C.L.A. Medical Center, Los Angeles 24, Calif.)

13-17. **Fluid Power**, intern. conf. and exhibition, London, England. (Secretary of the Conference, The Tower, 229-243 Shepherds Bush Rd., Hammersmith, London, W.6)

14-16. **Power Conf.**, Chicago, Ill. (W. A. Lewis, Illinois Inst. of Technology, Chicago)

14-18. Primary Disorders of **Heart Muscle** (by invitation), CIBA Foundation symp., London, England (CIBA, 41 Portland Pl., London, W.1)

14-18. **Mathematical Logic**, conf., Oberwolfach, Germany. (M. Barner, Mathematisches Forschungsinstitut, Hebelstr. 29, 78 Freiburg im Breisgau, Germany)

15-17. **High Energy Physics**, conf., Chilton, England. (Inst. of Physics and the Physical Soc., 47 Belgrave Sq., London S.W.1, England)

15-17. **Ophthalmological Soc.** of the United Kingdom, annual, Dublin, Ire-



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land. (Secretariat, 47 Lincoln's Inn Fields, London, W.C.2, England)

15-18. **British Paediatric Assoc.**, annual, Scarborough, England. (E. W. Hart, Inst. of Child Health, Hospital for Sick Children, Great Ormond St., London, W.C.1)

15-18. **American Soc. for Public Administration**, natl. conf., New York, N.Y. (ASPA, 6042 Kimbark Ave., Chicago, Ill.)

15-18. **International Scientific Radio Union (URSI)**, spring meeting, Washington, D.C. (M. G. Morgan, U.S. Natl. Committee, URSI, Dartmouth College, Hanover, N.H.)

16-17. **Fiber Soc.**, spring meeting, Charlotte, N.C. (I. Rebenfeld, P.O. Box 625, Princeton, N.J.)

16-17. **Textile Inst.**, annual conf., Leeds, England (D. B. Moore, 10 Blackfriars St., Manchester 3, England)

16-18. **Eastern Psychological Assoc.**, Philadelphia, Pa. (M. A. Iverson, Queens College, Flushing 67, N.Y.)

16-18. **Teaching of Foreign Languages**, 1964 northeastern conf., Washington, D.C. (S. Isaacs, 1110 Patterson Plank Rd., North Bergen, N.J.)

16-18. **Western Psychological Assoc.**, annual, Portland, Ore. (J. Matarazzo, Univ. of Oregon Medical School, Portland)

16-19. **Cooper Ornithological Soc.**, annual, San Diego, Calif. (C. V. Duff, 2911 Antelo View Dr., Los Angeles 24, Calif.)

17-18. **Arkansas Acad. of Science**, Conway. (R. R. Corey, Dept. of Botany and Bacteriology, Univ. of Arkansas, Fayetteville)

17-18. **Iowa Acad. of Science**, Decorah. (D. C. Foley, Iowa State Univ., Ames)

17-18. **Resonance Physics**, New York State section, American Physical Soc., Corning, N.Y. (J. T. Kerr, Corning Glass Works, Corning)

17-19. **Association of Southeastern Biologists**, 25th annual, Atlanta, Ga. (W. D. Burbanck, Dept. of Biology, Emory Univ., Atlanta)

18-23. **American Ceramic Soc.**, 66th annual, Chicago, Ill. (ACeS, 4055 N. High St., Columbus 14, Ohio)

19-22. **Association for Educational Data Systems**, natl. conv., Santa Barbara, Calif. (J. Caffrey, System Development Corp., Santa Monica)

19-22. **American Oil Chemists' Soc.**, 55th spring meeting, New Orleans, La. (AOCS, 35 E. Wacker Dr., Chicago 1, Ill.)

19-25. **Aerospace Electrotechnology**, intern. conf., Phoenix, Ariz. (A. A. Sorensen, Mail 3016, The Martin Co., Baltimore 3, Md.)

20-21. **Solar-Terrestrial Relationships**, symp. of Intern. Scientific Radio Union, American Geophysical Union, American Astronomical Soc., Washington, D.C. (M. G. Morgan, U.S. Natl. Committee, URSI, Dartmouth College, Hanover, N.H.)

20-22. **Radioisotope Conf.**, 2nd annual, Gatlinburg, Tenn. (R. T. Overman, Special Training Div., Oak Ridge Inst. of Nuclear Studies, P.O. Box 117, Oak Ridge, Tenn.)

20-23. **American Mathematical Soc.**, New York, N.Y. (G. L. Walker AMS, 190 Hope St., Providence, R.I.)

20-24. **Medical Radioisotope Scanning**, symp., Athens, Greece. (E. H. Belcher, Div. of Isotopes, IAEA, Kärntnering 11, Vienna 1, Austria)

20-24. **Research Administration Inst.**, American Univ., Washington, D.C. (American Univ., 1901 F St., NW, Washington 6, D.C.)

20-24. **Fluid Dynamic Aspects of Space Flight**, Marseilles, France. (Fluid Dynamics Panel, NATO, 64, rue de Varenne, Paris 7^e, France)

20-24. **American Soc. of Tool and Manufacturing Engineers**, annual, Detroit, Mich. (L. S. Fletcher, ASTME, 10700 Puritan Ave., Detroit 38)

20-25. **American Acad. of Neurology**, 16th annual, Denver, Colo. (AAN, 4307 E. 50 St., Minneapolis 17, Minn.)

21. **Association for Symbolic Logic**, New York, N.Y. (Mrs. R. Drew-Bear, Special Projects Dept., American Mathematical Soc., 190 Hope St., Providence, R.I.)

21-23. **Joint Computer conf.**, Washington, D.C. (C. S. Jones, 8227 Woodmont Ave., Bethesda 14, Md.)

21-23. **Engineering with Nuclear Explosives**, 3rd "Plowshare" symp., Davis, Calif. (Plowshare Symp. Committee, Lawrence Radiation Laboratory, Bldg. T-105, P.O. Box 808, Livermore, Calif.)

21-24. **American Geophysical Union**, Washington, D.C. (AGU, 1515 Massachusetts Ave., NW, Washington, D.C.)

21-30. **Seismology**, intergovernmental meeting, Paris, France. (UNESCO, Pl. de Fontenoy, Paris 7^e)

22-24. **Institute of Electrical and Electronics Engineers**, 16th annual southwestern conf., Dallas, Tex. (F. E. Brooks, Jr., Military Electronics Div., Ling Temco Vought, P.O. Box 6118, Dallas 75222)

22-24 **British Inst. of Radiology**, 25th congr., London, England (BIR, 32 Welbeck St., London, W.1)

22-25. **National Council of Teachers of Mathematics**, Miami Beach, Fla. (H. T. Karnes, Dept. of Mathematics, Louisiana State Univ., Baton Rouge 3)

23-25. **American Gastroenterological Assoc.**, Dallas, Tex. (D. Cayer, 2240 Cloverdale Ave. Winston-Salem, N.C.)

23-25. **Illinois State Acad. of Science**, Bloomington. (A. A. Paloumpis, Illinois State Normal Univ., Normal)

23-25. **Medical Women's Federation**, annual, Keswick, England. (MWF, Tavistock House North, Tavistock Sq., London, W.C.1, England)

23-25. **Ohio Acad. of Science**, Cleveland. (J. H. Melvin, 505 King Ave., Columbus 1, Ohio)

23-25. **West Virginia Acad. of Science**, Wheeling. (J. A. Duke, S.J., Wheeling College, Wheeling)

24. **Mississippi Acad. of Sciences**, Columbus. (C. Q. Sheely, Mississippi State Univ., State College)

24. **Parenteral Drug Assoc.**, Chicago, Ill. (PDA, Broad and Chestnut Sts., Philadelphia, Pa.)

24-25. **Chemistry of Microbial Products**, symp., Tokyo, Japan. (H. Umezawa, Inst. of Applied Microbiology, University of Tokyo, Hongo, Tokyo)

24-25. **South Carolina Acad. of Science**, Aiken. (R. W. Rutledge, Clemson College, Clemson, S.C.)

24-25. **South Dakota Acad. of Science**, Sioux Falls. (T. Van Bruggen, Dept. of Botany, Univ. of South Dakota, Vermillion)



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