

Arctic. It may well be ready for the next meeting of INQUA and should be translated into English to give a greater percentage of arctic scientists a better idea of the impressive integrative results of our Soviet colleagues.

The symposium left, however, one basic question unanswered. How did the ice cover of the Arctic Ocean fluctuate since the Late Tertiary? This problem became a basic issue of the symposium discussions. However, the discussions pointed out only that the Soviet colleagues are presently divided into two camps, one for, and one against the open Arctic Ocean at interglacial times. The evidence from mathematical calculations based on climatic models, from stratigraphic, and from marine and terrestrial biological data seems to remain inconclusive, although each camp has strong adherents. Perhaps a greater number of corings in the Arctic Ocean and the paleomagnetic analysis of the cores will solve this problem.

In contrast to western scientists, who are now in the great majority adhering to some version of continental drift, the Soviet colleagues seem about equally divided into "drifters" and adherents of other explanations—for example, the expanding earth, and the oceanization or subsidence theory.

It may have been necessary to hold the symposium only for scientists of the Soviet Union, as already this amounted to a mammoth effort for the organizers. The participants, of whom only a minute fraction will be able to attend the next INQUA meeting or other conferences abroad, would certainly have benefited greatly, however, from an up-to-date review of, for example, the Canadian Polar Shelf Project or the work of the U.S. Geological Survey on Beringia.

ROLAND E. BESCHEL

*Queen's University, Kingston,  
Ontario, Canada*

## Calendar of Events

### National Meetings

#### October

28-30. **Hybrid Microelectronics Symp.**, Chicago, Ill. (J. English, Cozzens and Cudahy, 9501 W. Devon Ave., Rosemont, Ill. 60018)

28-31. **American Assoc. of Blood Banks**, Washington, D.C. (L. J. James, 30 N. Michigan Ave., Chicago, Ill. 60602)

28-31. **Instrument Soc. of America**, New

York, N.Y. (H. S. Kindler, The Society, 530 William Penn Pl., Pittsburgh, Pa. 15219)

28-1. **Society for Experimental Stress Analysis**, San Francisco, Calif. (The Society, 21 Bridge Sq., Westport, Conn.)

29-31. **Conference and Workshop on Applied Climatology**, Asheville, N.C. (H. T. Harrison, Route 1, Box 266, Weather-ville, N.C. 28787)

31-1. **Educational Conf.**, 33rd, New York, N.Y. (W. S. Litterick, Educational Records Bureau, 21 Audubon Ave., New York 10032)

31-1. **Entomological Soc. of America**, 40th, Philadelphia, Pa. (J. P. Johnson, Connecticut Agricultural Experiment Sta., Box 1106, New Haven 06504)

31-1. **American Soc. for Microbiology**, 8th, New York, N.Y. (R. W. Sarber, 115 Huron View Blvd., Ann Arbor, Mich.)

31-1. **Symposium on Social Behavior**, 2nd, Oxford, Ohio. (R. A. Hoppe, Dept. of Psychology, Miami Univ., Oxford)

31-1. **American Soc. of Tropical Medicine and Hygiene**, Atlanta, Ga. (G. M. Jeffery, P.O. Box 295, Kensington, Md.)

31-2. **Gerontological Soc.**, Denver, Colo. (The Society, 660 S. Euclid, St. Louis, Mo. 63110)

31-2. **Society of Photographic Scientists and Engineers**, Washington, D.C. (R. A. Jones, Papers Chairman, Mail Sta. 68, Perkin-Elmer Corp., Norwalk, Conn. 06852)

### November

1-2. **Central Soc. for Clinical Research**, Chicago, Ill. (J. Eckstein, Dept. of Internal Medicine, Univ. of Iowa Hospitals, Iowa City 52240)

1-3. **National Council for Geographic Education**, 54th, Kansas City, Mo. (E. Eiselen, The Council, Room 1532, 111 W. Washington St., Chicago, Ill. 60602)

1-4. **Research in Medical Education**, 7th conf., Houston, Tex. (P. J. Sanazaro, Assoc. of American Medical Colleges, 2530 Ridge Avenue, Evanston, Ill. 60201)

6-8. **Conference on Composition and Dynamics of the Upper Atmosphere**, El Paso, Tex. (J. E. Morris, P.O. Box 26065, El Paso 79925)

6-8. **Diffraction Conf.**, 26th, Pittsburgh, Pa. (S. Diamond, U.S. Steel Corp., Applied Research Lab., Monroeville, Pa. 15146)

6-8. **Northeast Electronics Research**, Mtg., Boston, Mass. (A. Uhlir, Inst. of Electrical and Electronics Engineers, NEREM-68, 31 Channing St., Newton, Mass. 02158)

6-8. **International Spi Cellular Plastics Conf.**, New York, N.Y. (S. Steingiser, Monsanto Research Corp., Station B, Box 8, Dayton, Ohio 45407)

6-9. **American Ceramic Soc.**, Pittsburgh, Pa. (The Society, 4055 N. High St., Columbus, Ohio 43214)

6-9. **Operations Research Soc. of America**, 34th, Philadelphia, Pa. (J. H. Engel, c/o Center for Naval Analysis, 1401 Wilson Blvd., Arlington, Va. 22209)

6-9. **Conference on Respiratory Therapy**, Boston, Mass. (M. J. Nicholson, 605 Commonwealth Ave., Boston 02215)

7-9. **American Soc. of Cytology**, Cleveland, Ohio. (W. R. Lang, 1025 Walnut St., Philadelphia, Pa. 19107)

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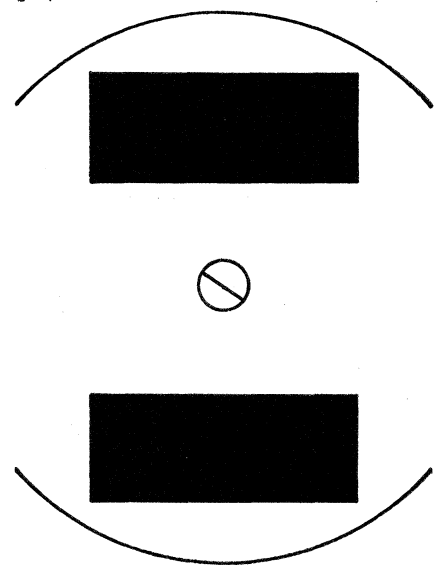
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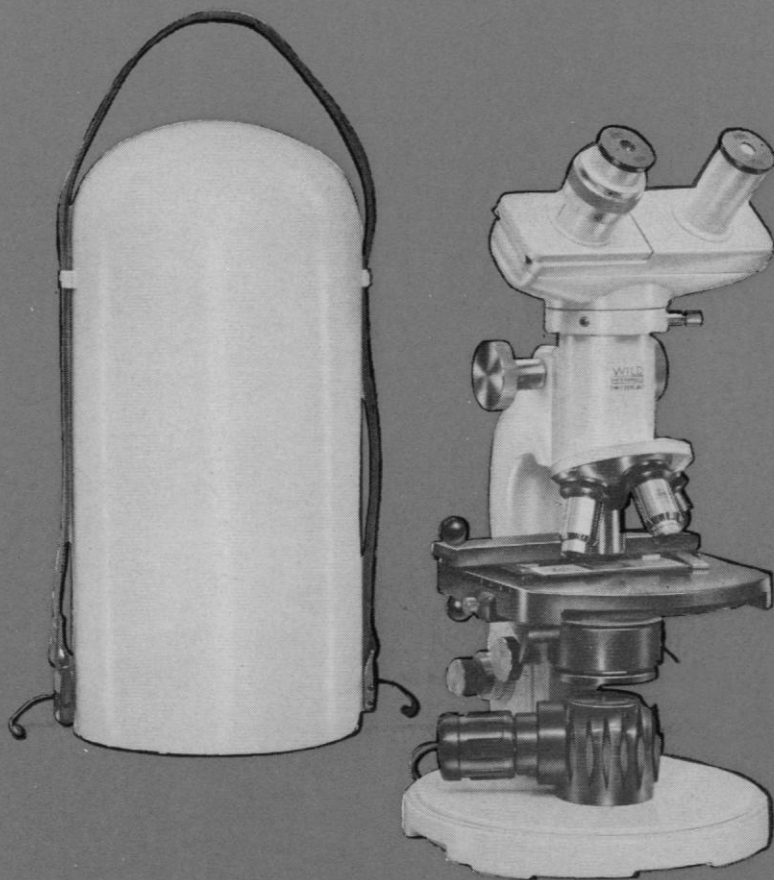
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7-10. Association of Clinical Scientists, Washington, D.C. (R. P. MacFate, 300 N. State St., Chicago, Ill. 60610)

8-11. American Physical Soc., Plasma Physics Div., Austin, Tex. (W. E. Drummond, Physics Bldg. 330, Univ. of Texas, Austin 78712)

10-15. American Soc. of Agronomy, New Orleans, La. (M. Stelly, c/o The Society, 677 S. Segoe Rd., Madison, Wis. 53711)

10-15. Crop Science Soc. of America, New Orleans, La. (Secretary, 677 S. Segoe Rd., Madison, Wis.)

10-15. American Assoc. for Inhalation Therapy, Houston, Tex. (M. T. Bowers, 4075 Main St., Riverside, Calif. 92501)

11-13. Soc. of Engineering Science, 6th technical mtg., Princeton, N.J. (A. C. Eringen, Dept. of Aerospace and Mechanical Sciences, Engineering Quadrangle, Princeton Univ., Princeton 08540)

11-13. Genetics Soc. of America, Boston, Mass. (B. Wallace, Dept. of Genetics, Cornell Univ., Ithaca, N.Y.)

11-14. American Nuclear Soc., Washington, D.C. (Executive Secretary, 244 E. Ogden Ave., Hinsdale, Ill. 60521)

11-15. American College of Preventive Medicine, Detroit, Mich. (E. A. Piszczek, 6410 N. Leona Ave., Chicago, Ill. 60646)

11-15. American Public Health Assoc., 96th, Detroit, Mich. (Executive Director, 1790 Broadway, New York, N.Y.)

13-15. Eastern Analytical Symp., New York, N.Y. (L. M. Brancone, Lederle Labs., Pearl River, N.Y. 10965)

13-16. National Easter Seal Soc. for Crippled Children and Adults, Boston, Mass. (Natl. Easter Seal Soc., 2023 W. Ogden Ave., Chicago, Ill. 60612)

14-16. Southern Thoracic Surgical Assoc., San Juan, Puerto Rico. (H. H. Seiler, 517 Bayshore Blvd., Tampa, Fla. 33606)

15-16. American Psychiatric Assoc., Chicago, Ill. (L. Rudy, Illinois Psychiatric Inst., 1601 W. Taylor St., Chicago 60612) land, Ohio. (W. R. Lang, 1025 Walnut St., Ill. (The Institute, P.O. Box 1485, Pompano Beach, Fla. 33061)

17-20. Academy of Pharmaceutical Sciences, 5th, Washington, D.C. (S. W. Goldstein, 2215 Constitution Ave., NW, Washington, D.C. 20037)

18-20. Institute of Electrical and Electronics Engineers, 7th, Cocoa Beach, Fla. (L. E. Williams Aerospace Corp., P.O. Box 4007, Patrick Air Force Base, Fla. 32925)

18-20. American Petroleum Inst., Chicago, Ill. (Secretary, Program Commission, 1271 Avenue of the Americas, New York 10020)

18-21. Symposium on Basic Mechanisms of the Epilepsies, Colorado Springs, Colo. (J. K. Penry, Section on Epilepsy, Room 8A-03, Bldg. 31, National Inst. of Neurological Diseases and Blindness, National Institutes of Health, Bethesda, Md. 20014)

18-21. Conference on Engineering in Medicine and Biology, Houston, Tex. (W. T. Maloney, Suite 620, 6 Beacon St., Boston, Mass. 02108)

18-21. Conference on Magnetism and Magnetic Materials, 14th, New York, N.Y. (D. T. Teaney, IBM Thomas J. Watson Research Center, Box 218, Yorktown Heights, N.Y. 10598)

18-22. Society of the **Plastics Industry**, Inc., Chicago, Ill. (The Society, 250 Park Ave., New York 10017)

18-22. **American Water Resources Conf.**, 4th, New York, N.Y. (P. Cohen, U.S. Geological Survey, 1505 Kellum Place, Mineola, N.Y. 11501)

19. **Air Pollution Control**, Columbia, Mo. (Extension Div., Whitten Hall, Univ. of Missouri, Columbia)

19-20. Council on **Arteriosclerosis** of the American Heart Assoc., Bal Harbour, Fla. (Dept. of Councils and International Program, American Heart Assoc. Natl. Office, 44 E. 23 St., New York 10010)

19-20. **Systems Symp.**, 4th, Case Western Reserve Univ., Cleveland, Ohio. (P. Schneider, Systems Research Center, Case Western Reserve Univ., Cleveland)

19-21. **Photovoltaic Specialists Conf.**, 7th, Pasadena, Calif. (R. E. Fischell, Applied Physics Lab., Johns Hopkins Univ., 8621 Georgia Ave., Silver Spring, Md. 20910)

19-22. **Acoustical Soc. of America**, Cleveland, Ohio. (The Society, 133 E. 45 St., New York 10017)

20-22. National Soc. for the **Prevention of Blindness**, Inc., New York, N.Y. (J. W. Ferree, 79 Madison Ave., New York 10016)

20-22. **Microelectronic Packaging and Interconnection Conf.**, Palo Alto, Calif. (D. H. O'Neill, Soc. of Automotive Engineers, 485 Lexington Ave., New York 10017)

20-24. Society for **Clinical and Experimental Hypnosis**, 20th, Chicago, Ill. (The Society, 353 W. 57 St., New York 10019)

21-22. **Chemical Kinetics Symp.**, Chapel Hill, N.C. (L. Pedersen, Dept. of Chemistry, Univ. of North Carolina, Chapel Hill 27514)

21-24. **American Anthropological Assoc.**, Seattle, Wash. (Executive Secretary, 1530 P St., NW, Washington, D.C. 20005)

25-27. **American Physical Soc.**, Miami, Fla. (Executive Secretary, 538 W. 120 St., New York 10027)

29-30. **Membrane Proteins Symp.**, New York, N.Y. (J. Newkirk, New York Heart Assoc., 2 E. 64 St., New York 10021)

29-30. National Federation of Catholic **Physicians' Guild**, Miami Beach, Fla. (R. H. Herzog, 2825 N. Mayfair Rd., Gelman, Wiley, New York, 1968. xiv + Milwaukee, Wis. 53222)

#### December

1. **Medical Aspects of Sports**, 10th, Miami Beach, Fla. (F. Hein, American Medical Assoc., Dept. of Health Education, 535 N. Dearborn St., Chicago, Ill. 60610)

1. **American Acad. of Oral Medicine**, New York, N.Y. (S. Conrad, 133-28 228th St., Laurelton, N.Y. 11413)

1-4. **American Medical Assoc.**, Miami Beach, Fla. (F. J. L. Blasingame, 535 N. Dearborn St., Chicago, Ill. 60610)

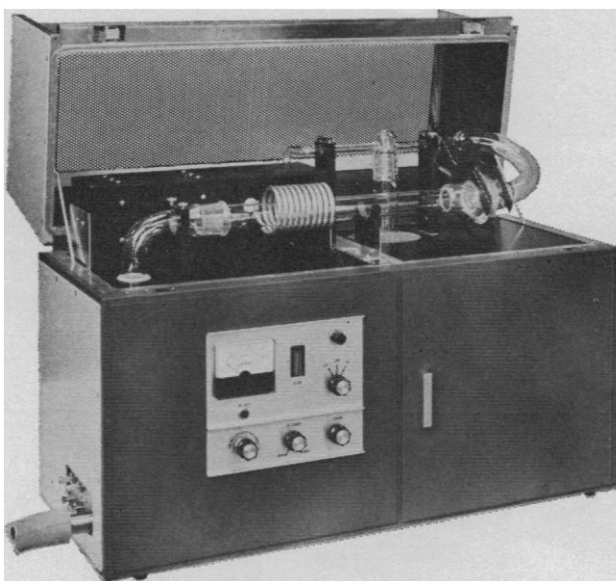
1-4. **Reticuloendothelial Soc.**, 5th, New York, N.Y. (F. J. DiCarlo, Warner-Lambert Research Inst., Morris Plains, N.J. 07950)

1-5. **American Inst. of Chemical Engineers**, 61st, Los Angeles, Calif. (Secretary, 345 E. 47 St., New York 10017)

1-6. **Radiological Soc. of North Amer-**

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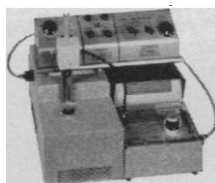


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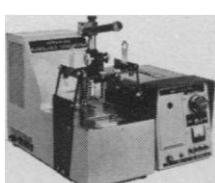
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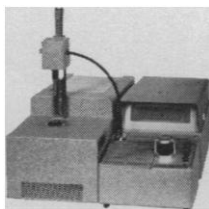
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ica, Chicago, Ill. (M. D. Frazer, 1744 S. 58 St., Lincoln, Neb. 68506)

2. **Quantum Chemistry**, 9th winter inst., Gainesville, Fla. (Winter Institute, 525 Nuclear Sciences Bldg., Univ. of Florida, Gainesville 32601)

2-3. **Applications of Simulation**, 2nd conf., New York, N.Y. (A. Ockene, IBM Corporation, 112 E. Post Road, White Plains, N.Y. 10601)

2-4. **New England Conf. on Air Pollution**, Waterville, Maine. (Director, Colby News Bureau, Colby College, Waterville 04901)

2-4. **Western National Geophysical Union**, San Francisco, Calif. (J. C. Harrison, Dept. of Geophysical Sciences, Univ. of Colorado, Boulder 80302)

2-6. **Greater New York Dental Mtg.**, 44th, New York, N.Y. (M. Purdy, Room 106A, Statler Hilton, New York 10001)

3. **American Soc. of Therapeutic Radiologists**, Chicago, Ill. (J. A. del Regato, Penrose Cancer Hospital, 2215 N. Cascade, Colorado Springs, Colo. 80907)

3-4. **Vehicular Technology Conf.**, San Francisco, Calif. (W. G. Chaney, Lenkurt Electric, 1105 Country Rd., San Carlos, Calif. 94070)

3-5. **Entry Vehicle Systems and Technology Conf.**, Williamsburg, Va. (M. H. Bloom, Polytechnic Inst. of Brooklyn, Graduate Center, Route 110, Farmingdale, N.Y. 11735)

4-6. **Optical Character Recognition in Computerized Management of Information in the Next Decade**, Hollywood, Fla. (International Business Forms Industries, 20 Chevy Chase Circle, NW, Washington, D.C. 20015)

4-6. **Academy of Psychosomatic Medicine**, Miami Beach, Fla. (E. Dunlop, 150 Emory St., Attleboro, Mass. 02703)

4-7. **American Assoc. of Physicists in Medicine**, Chicago, Ill. (R. O. Gorsop, Stein Research Center, Jefferson Medical College, 920 Chancellor St., Philadelphia, Pa. 19107)

5-6. **American Rheumatism Assoc.**, Tucson, Ariz. (M. M. Walsh, 1212 Avenue of the Americas, New York 10036)

6-7. **American Federation for Clinical Research**, Boston, Mass. (H. J. Levine, New England Medical Center Hospitals, 171 Harrison Ave., Boston 02111)

7-12. **American Acad. of Dermatology and Syphilology**, 27th, Chicago, Ill. (S. E. Huff, 1636 Church St., Evanston, Ill.)

8-13. **American Soc. of Agricultural Engineers**, Chicago, Ill. (P. L. Bellinger, Technical Coordinator, 420 Main St., St. Joseph, Mich. 49085)

8-15. **Symposium of Analogue and Digital Computers in Hydrology**, Tucson, Ariz. (American Federation of Information Processing Societies, 211 E. 43 St., New York 10017)

9-11. **Computer Conf.**, San Francisco, Calif. (R. H. Glaser, 1968 Joint Computer Conf., P.O. Box 2309, Stanford, Calif. 94305)

9-12. **Electrical Insulation Conf.**, Los Angeles, Calif. (Secretary, 3600 Wilshire Blvd., Los Angeles 90005)

9-12. **National Electronics Conf. and Exhibition**, 24th, Chicago, Ill. (E. C. Jones, Electrical Engineering Dept., Iowa State Univ., Ames)

11-13. **National Oceanography Conf.**, Portland, Ore. (J. H. Jorgenson, National



Security Industrial Assoc., Suite 800, 1030 15th St., NW, Washington, D.C. 20005, or K. R. Cannon, Governor's Committee on Natural Resources, State Capitol, Salem, Ore. 97310)

15-17. New York State Soc. of **Anesthesiologists**, New York, N.Y. (E. C. Sinisi, 30 E. 42 St., New York, 10017)

16-18. Symposium on **Adaptive Processes**, 7th, Univ. of California Los Angeles. (J. M. Mendel, Advance Flight Mechanics, Douglas Aircraft Co., Inc. 3000 Ocean Park Blvd., Santa Monica, Calif. 90406)

16-20. Texas Symp. of Relativistic **Astrophysics**, 4th, Dallas. (I. Robinson, South West Centre for Advanced Studies, P.O. Box 30365, Dallas 75230)

18-20. American **Physical Soc.**, San Diego, Calif. (W. Whaling, California Inst. of Technology, 1201 East California St., Pasadena 91109)

20-22. American **Psychoanalytic Assoc.**, New York, N.Y. (American Psychoanalytic Assoc., 1 E. 57 St., New York 10022)

23-25. International **Electron Devices** Mtg., Washington, D.C. (D. A. Chisholm, Bell Telephone Labs., Murray Hill, N.J. 07974)

#### International and Foreign Meetings

##### November

3-8. Israel **Surgical Soc.**, 8th congr., Jerusalem. (Organizing Committee, 8th Congr. of the Israel Surgical Soc., P.O. Box 7276, Jerusalem)

4-8. Symposium on the Use of **Nuclear Techniques in the Prospecting and Development of Mineral Resources**, Lima, Peru. (S. Eklund, Intern. Atomic Energy Agency, Karntner Ring 11, A-1010 Vienna, Austria)

4-9. Canadian **Heart Foundation**, Canadian Cardiovascular Society, Vancouver, B.C. (Secretary, Canadian Heart Foundation, 1130 Bay St., Toronto 5, Ont.)

11-13. **Geochemical Soc.**, Mexico City, Mexico. (E. C. T. Chao, c/o U.S. Geological Survey, Washington, D.C.)

11-13. **Geological Soc. of America**, Mexico City, Mexico. (R. C. Becker, The Society, Colorado Bldg., P.O. Box 1719, Boulder, Colo. 80302)

11-13. Society of **Economic Geologists**, Mexico City, Mexico. (R. A. Laurence, P.O. Box 1549, Knoxville, Tenn. 37901)

11-13. **Mineralogical Soc. of America**, Mexico City, Mexico. (I. J. Holmes, Dept. of Geology, Columbia Univ., New York, 10027)

11-13. **Paleontological Soc.**, Mexico City, Mexico. (R. L. Langenheim, Dept. of Geology, Univ. of Illinois, Urbana)

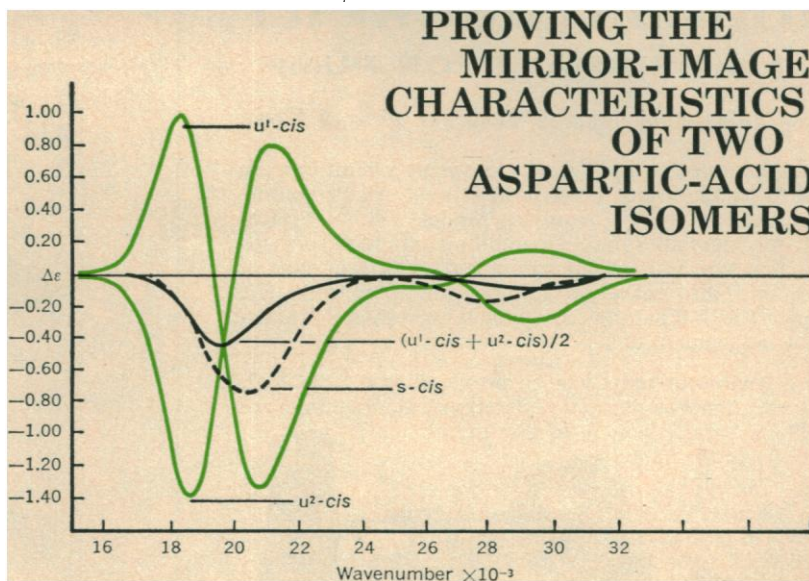
13-15. International **Reinforced Plastics** Conf., London, England. (British Plastics Federation, Reinforced Plastics Group, 47-48 Piccadilly, London, W.1)

18-23. International **Seed Testing Assoc.**, 15th, Palmerston, New Zealand. (The Association, Binnenhaven 1, Wageningen, Netherlands)

19-20. Symposium on **Tribology** in Railways, London, England. (Public Relations Officer, Institution of Mechanical Engineers, 1, Birdcage Walk, Westminster, S.W.1, London)

## CHEMICAL PROFILES

... drawn by Durrum

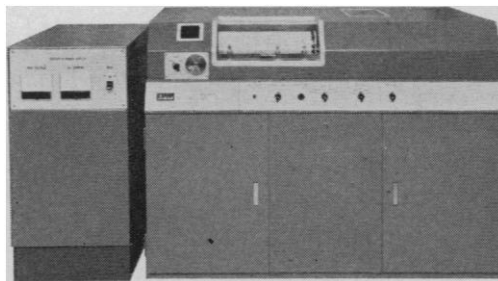


Aspartic acid, with its three donor sites, can form a variety of hard-to-identify chelate isomers. The circular-dichroism profiles drawn here, plotted from data gathered by a Durrum-Jasco CD recorder, are typical of the molecular detective work\* that can be achieved with this versatile instrument.

The steric requirements of aspartic acid indicate that in a cobalt-diethylenetriamine complex, three isomers will predominate: one *s-cis* (symmetrical), shown as a dashed-line profile in the drawing above, and two *u-cis* (unsymmetrical) isomers, shown in color. The latter are essentially mirror images of each other, and the Durrum-Jasco instrument provides a way to identify one from the other.

The configurational contributions to the CD traces of the two mirror-image isomers should, in theory, cancel out, leaving an "average" trace that approximates that of the *s-cis* isomer where there are no configurational contributions. As seen here, a very close correlation is achieved, proving that the two *u-cis* isomers are indeed pseudo-mirror images and providing clues as to their specific forms.

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\*AS REPORTED BY J. IVAN LEGG AND DEAN W. COOKE IN THE DECEMBER 20, 1967 ISSUE OF JOURNAL OF THE AMERICAN CHEMICAL SOCIETY.

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