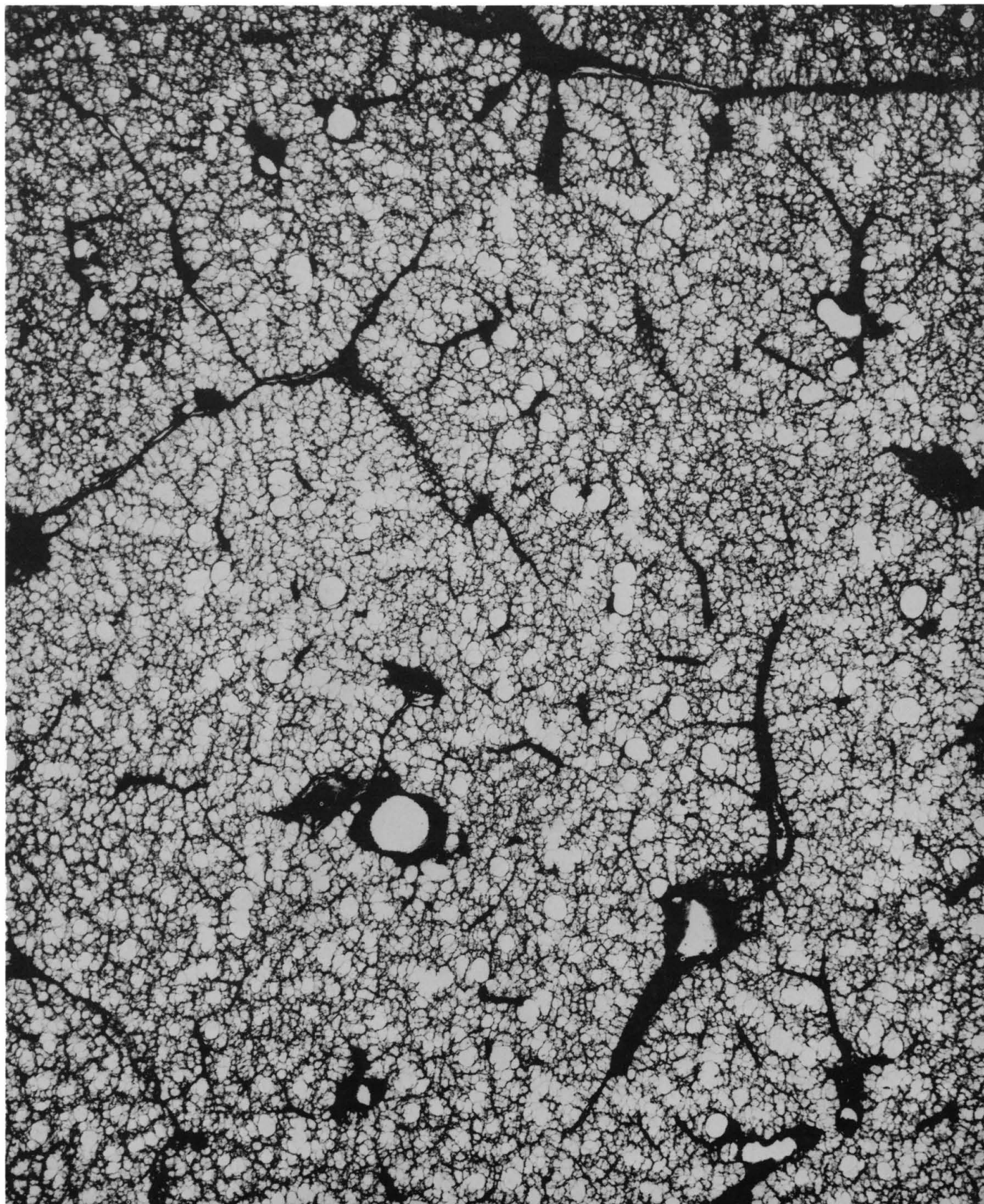


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24 August 1962

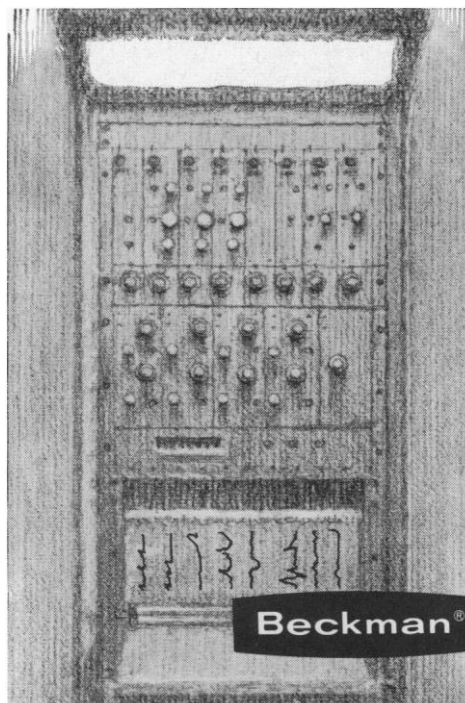
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*See Circulation Research; "Dynamics of Ventricular Ejection" by Dr. Merrill Spencer, Vol. 10, March, 1962, pg. 274.



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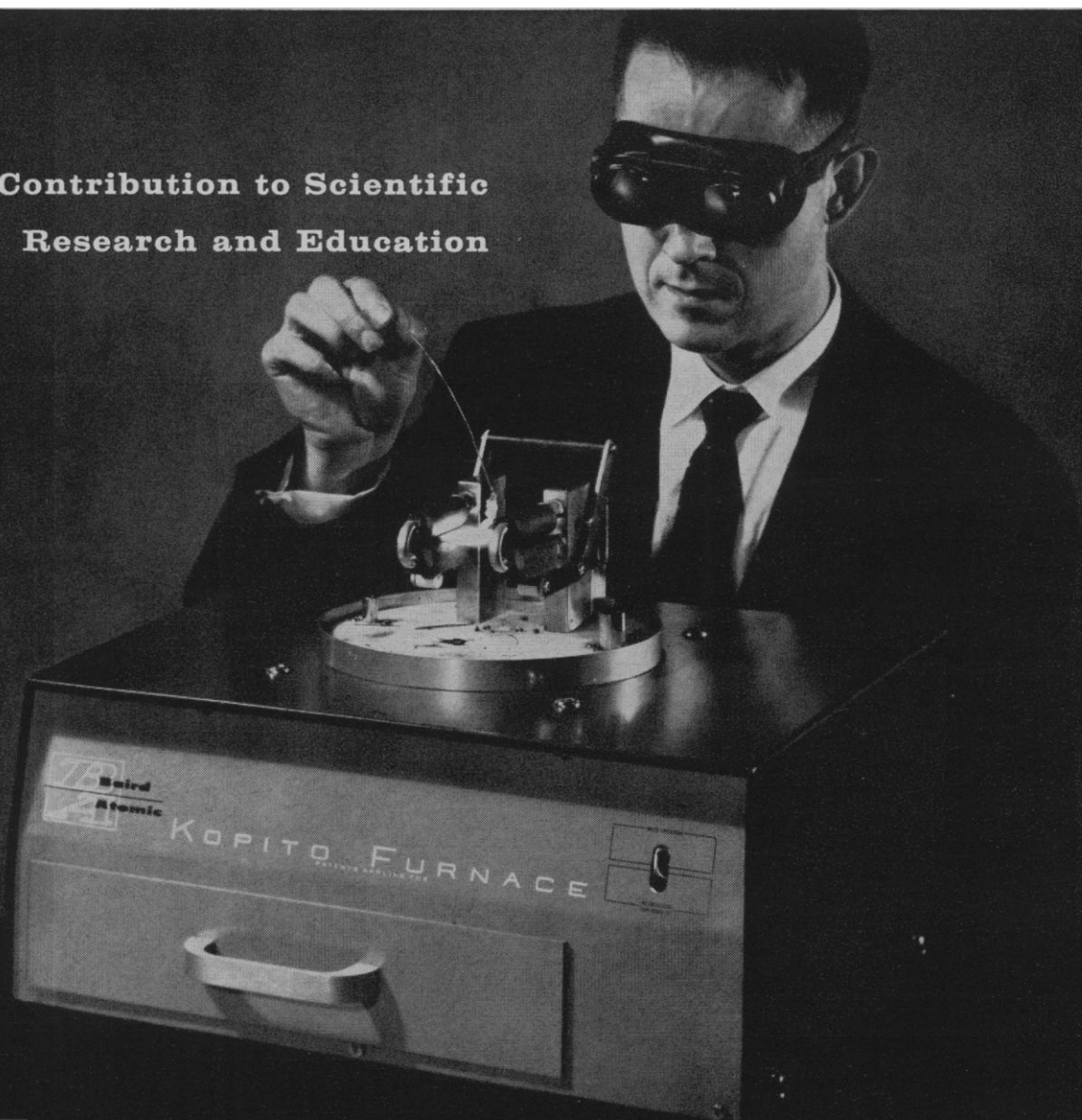
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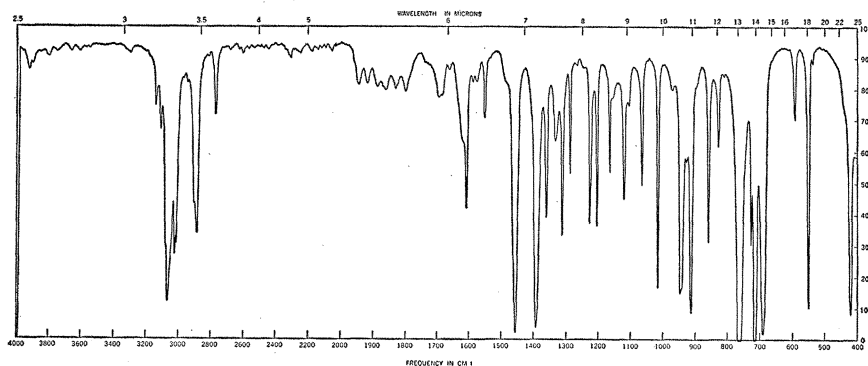
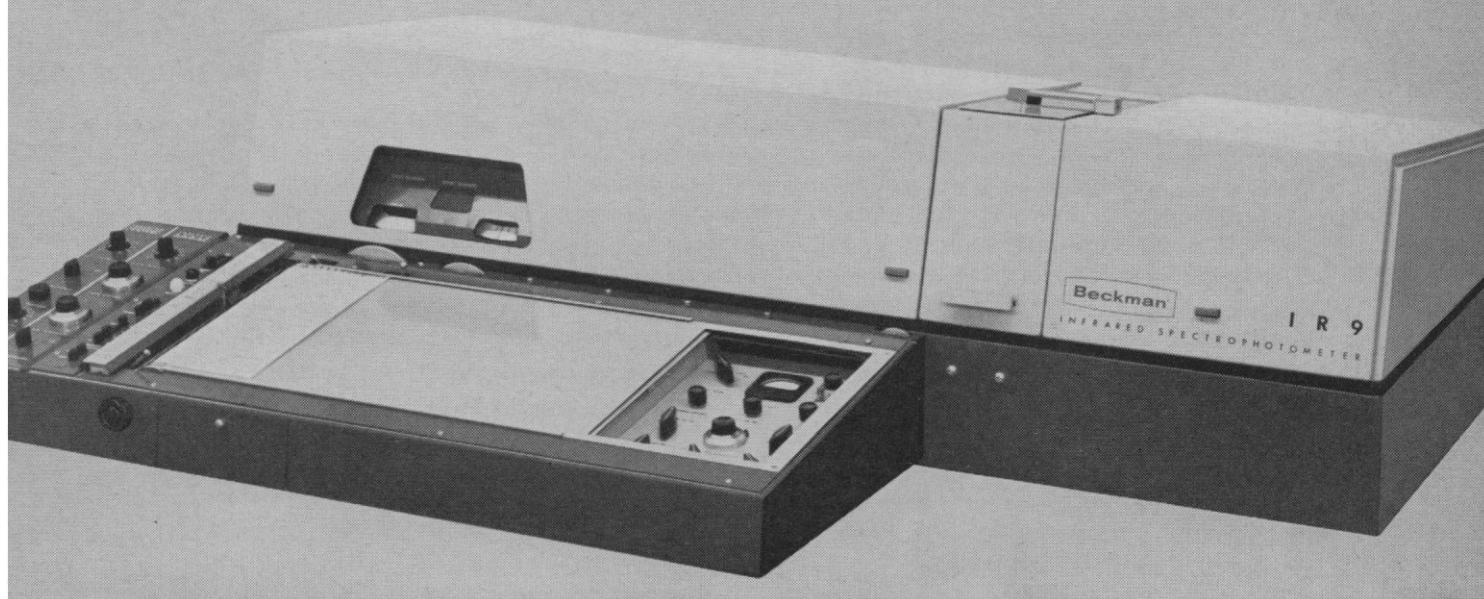
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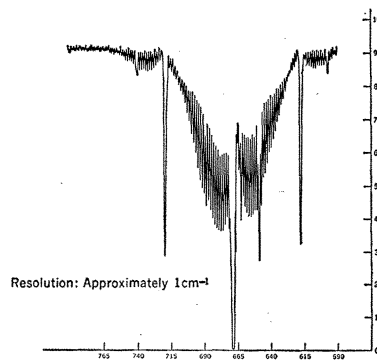
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1. Only manufacturers will be listed. Dealers and distributors will be listed only under those products which they manufacture themselves.
2. Foreign manufacturers will be listed only if there is a distributor in the United States.
3. Every effort has been made to avoid broad, general category listings. Wherever possible each general type of equipment has been subclassified into specific types. Thus the scientist need contact only those companies which make the specific product he is seeking.
4. Advertisers will **not** be given preferential treatment of any kind.

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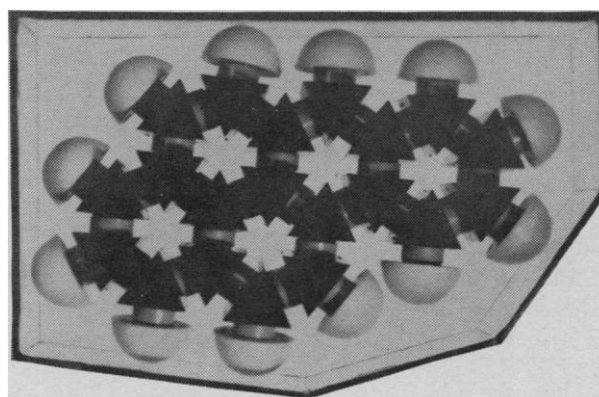
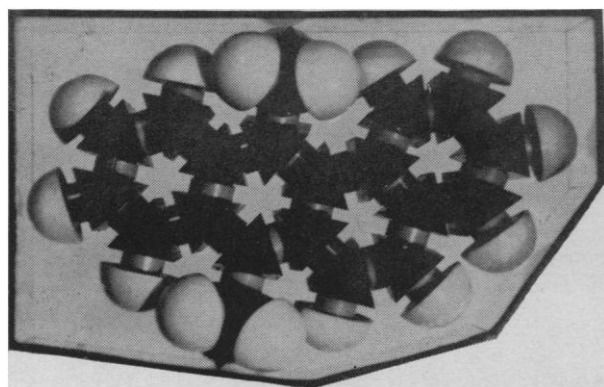
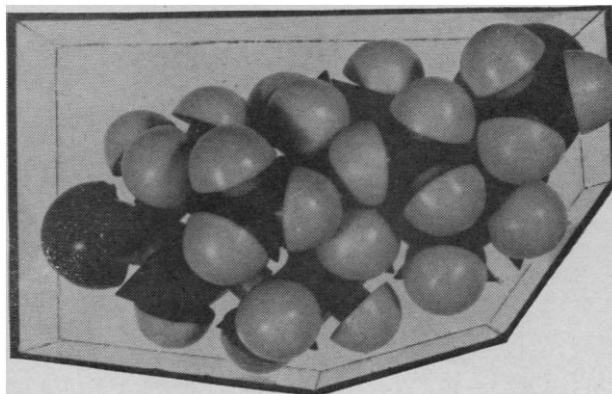
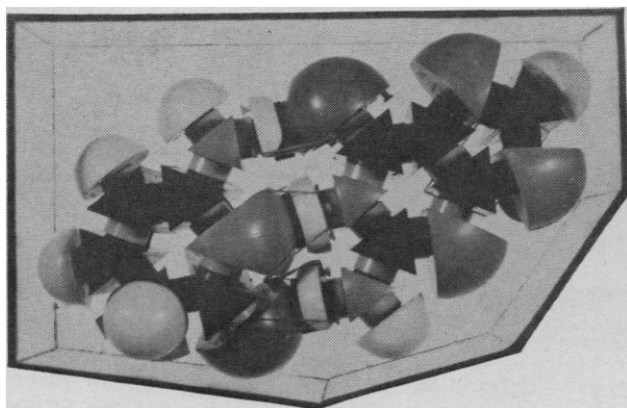
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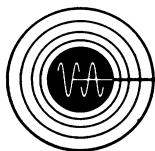
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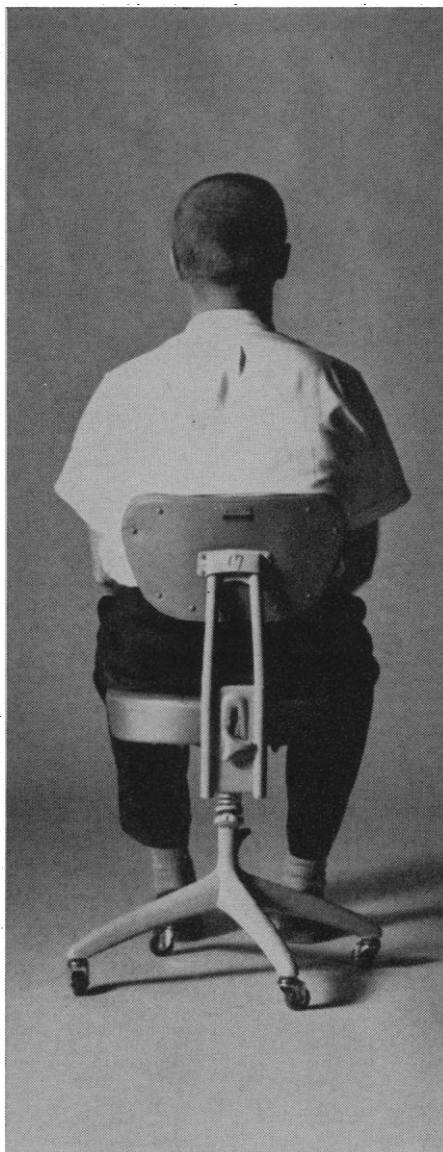
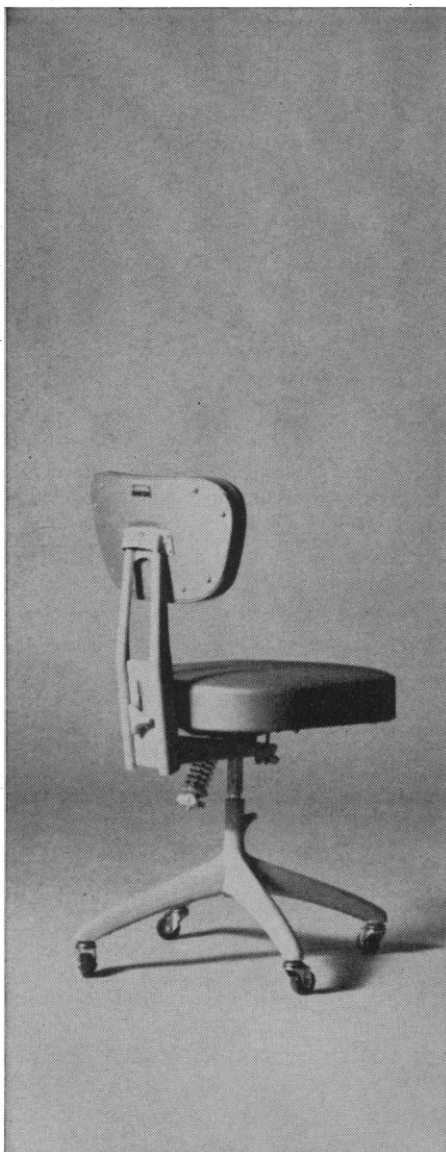
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of some of us who are deeply concerned with efforts to secure immediate acceptance of plans and programs that we recognize as of significance to the national economy. But I have no apologies to offer for—nor any intention to reverse—a long-standing Survey policy of presenting and defending our programs on the basis of their content and inherent importance. I'm sure that Greenberg did not intend to imply the use of some sort of chicanery to secure adoption of worthy research proposals; I think our own record since 1879 contravenes this.

THOMAS B. NOLAN
U.S. Geological Survey,
Washington, D.C.

On Withholding Information

The letter from P. D. Wall [*Science* 136, 173 (13 Apr. 1962)] stating that he refused information to the CIA concerning the status of foreign work in the field of neurophysiology has some shocking implications. Surely our total scientific know-how is becoming, quite properly, a major national resource. Our very heavy federal support of university research, and hence indirectly of universities themselves, is based ultimately on the faith that a strong scientific base means a stronger and healthier country. How then can any reputable scientist refuse to provide technical information on the state of his field to any government agency—the CIA or the National Bureau of Standards—which in its judgment would find such information helpful?

Wall states that his cooperation with a government agency might limit his freedom of discussion with foreign colleagues, or make them view him as a "government agent." Now surely no foreign scientist would exchange technical information with an American with the understanding that such information would be withheld, if requested, from a branch of the U.S. government! What a terribly embarrassing position in which to place a colleague! Further, if responding to any request for assistance by a government agency makes someone a government agent, then every citizen of the U.S. is an "agent" on call.

I feel that Wall is confusing a legitimate concern over possible security restrictions on his activities with the obligation that every citizen has to assist his government when called upon. There are recognized exceptions, such as

practicing pacifists in time of war, but that is another argument and is not the main theme of Wall's letter. The complete cooperation of scientists in making available their technical knowledge to a branch of the U.S. government under reasonable conditions does not seem to endanger academic freedom.

HERBERT I. FUSFELD
Research and Development Division,
American Machine and Foundry
Company, Springfield, Connecticut

Patrick Wall's noble response to the indignity of being confronted by an agent of the CIA is worthy of study by us all.

After all, a member of a university faculty is not merely an impersonal storage bin for odd lots of information. He holds a sacred trust to release this information only to his peers or to students whose tuition payments are not in arrears. He has an obligation to demand payment by others: money from industry and equivalent information from government detailing the use to be made of his own information. Some "unfortunate agencies" of the U.S. Government deserve nothing at all if he doesn't approve of their activities.

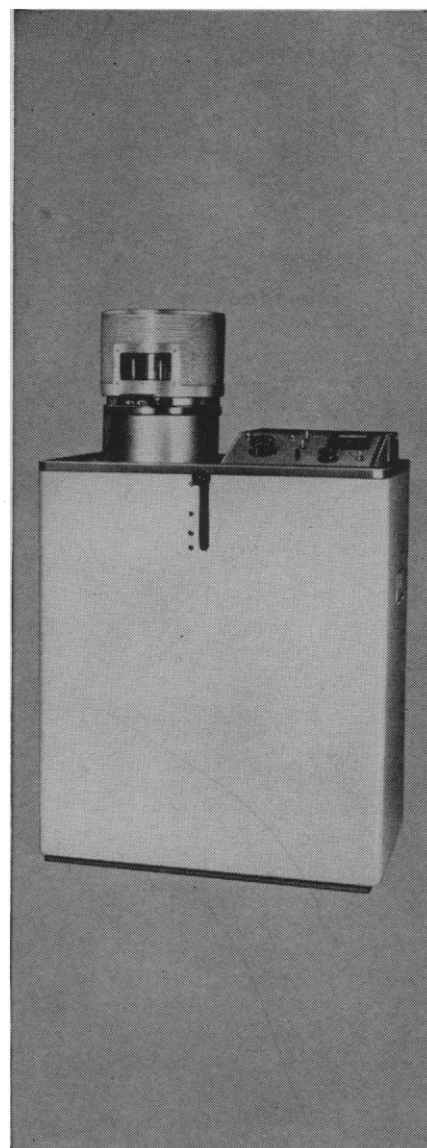
Wall is to be congratulated for not simply reporting this traumatic experience to his lawyer or ambassador and then trying to forget it. By baring his breast in the columns of *Science* he has once again reminded the general public (which would have reacted in a smaller manner) that his community transcends national boundaries and therefore is not responsible to any particular nation.

DAVID ROTHMAN
4954 Hazeltine Avenue,
Sherman Oaks, California

Evolution in Ficus

I have noticed the notable exception mentioned in your review of *Contemporary Botanical Thought* [*Science* 136, 525 (1962)]. I fear your reviewer has not understood. Corner did not attribute anything to a clockwork-like mechanism, as stated in the review, but likened evolution in *Ficus* to a piece of clockwork. Nonsense may be likened to a babbling stream, but who would attribute it to gravity?

E. J. H. CORNER
Department of Botany,
University of Cambridge,
Cambridge, England



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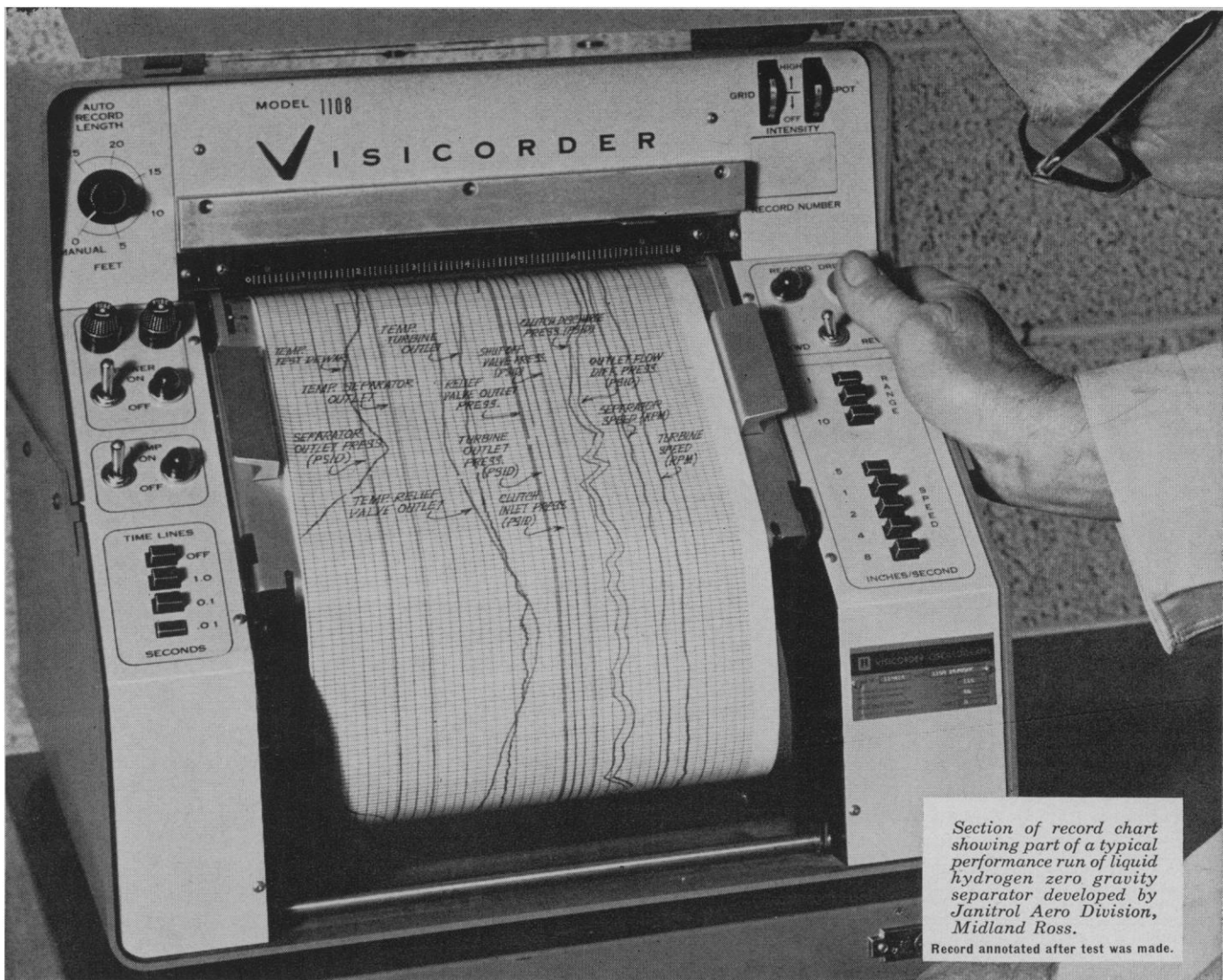
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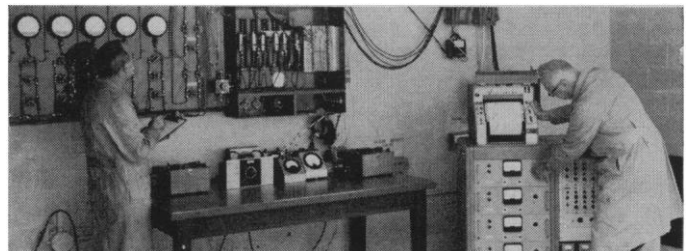
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Where Shall We Meet?

Inviting a friend to come to Lake Como, Pliny the Younger wrote: "Why not . . . hand over to others the cares of daily life, and, in this lofty, shaded retreat, dedicate yourself to intellectual pursuits." Now, at Lake Como and at a few other places in Europe and America, there are magnificent homes that former owners have given to universities or foundations to be used as study centers, intellectual retreats or conference sites.

Visitors to these retreats sometimes grumble a bit over the extra travel time required to reach them, and then find that relaxed and comfortable surroundings, day-long associations, and freedom from encroachment of other obligations make for a conference that is both effective and pleasant.

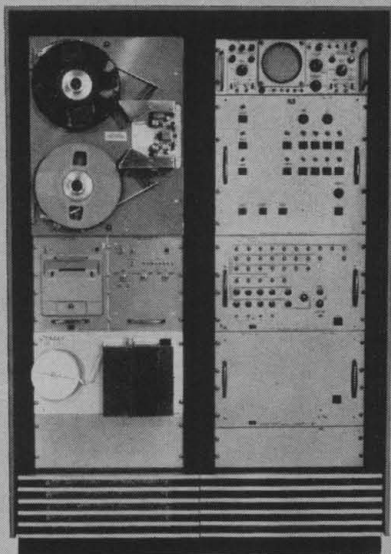
Living for a time in one of these homes that have been turned into conference centers sets one to contemplating the question of the ideal setting for a scholarly conference. Inevitably one thinks of the contrast between the attention that has been given to typography, illustrations, layout, abstracting, indexing, and other means of improving the effectiveness of written communication and the relatively little attention that is devoted to the analogous problems of improving facilities for oral communication.

Books and journals are designed, but meetings are held wherever there are enough beds and chairs. Large meetings are held on a campus in rooms designed for classroom instruction, or in hotels in rooms designed to serve for wedding receptions, bridge luncheons, sales displays, and dances, as well as meetings. Small conferences have the same choices, plus resorts, country inns, institutional offices, motels located near major air terminals, and, sometimes, an estate turned conference center. With a few exceptions, all facilities for large meetings or small conferences have in common the characteristic that they were intended for something else.

Among the persons who have proposed that facilities be specifically developed for conference use is A. T. McPherson, associate director of the National Bureau of Standards. Focusing attention on the conference type of meeting instead of the large convention, McPherson proposes the construction of a few conference centers with rooms and facilities specifically designed for the holding of scientific and scholarly discussions.

Some of the questions that would have to be decided are these: How would the ideal conference room be arranged? What variety of sizes will be needed? What recording, projection, interpretation, reproduction, and other aids should be installed? What are the best locations? (McPherson suggests National Parks.) Are the advantages of isolation great enough to offset the necessary increases in travel time? Could conference sites be financially self-sustaining?

If symposia, conferences, and other such gatherings are as useful a means of communication among scholars as their frequency suggests, is it not time to tackle such questions? A great deal of thought has gone into the problems of making written communication more effective. Why should oral communication among scholars almost always have to take place in buildings that were designed for some other purpose?—D.W.



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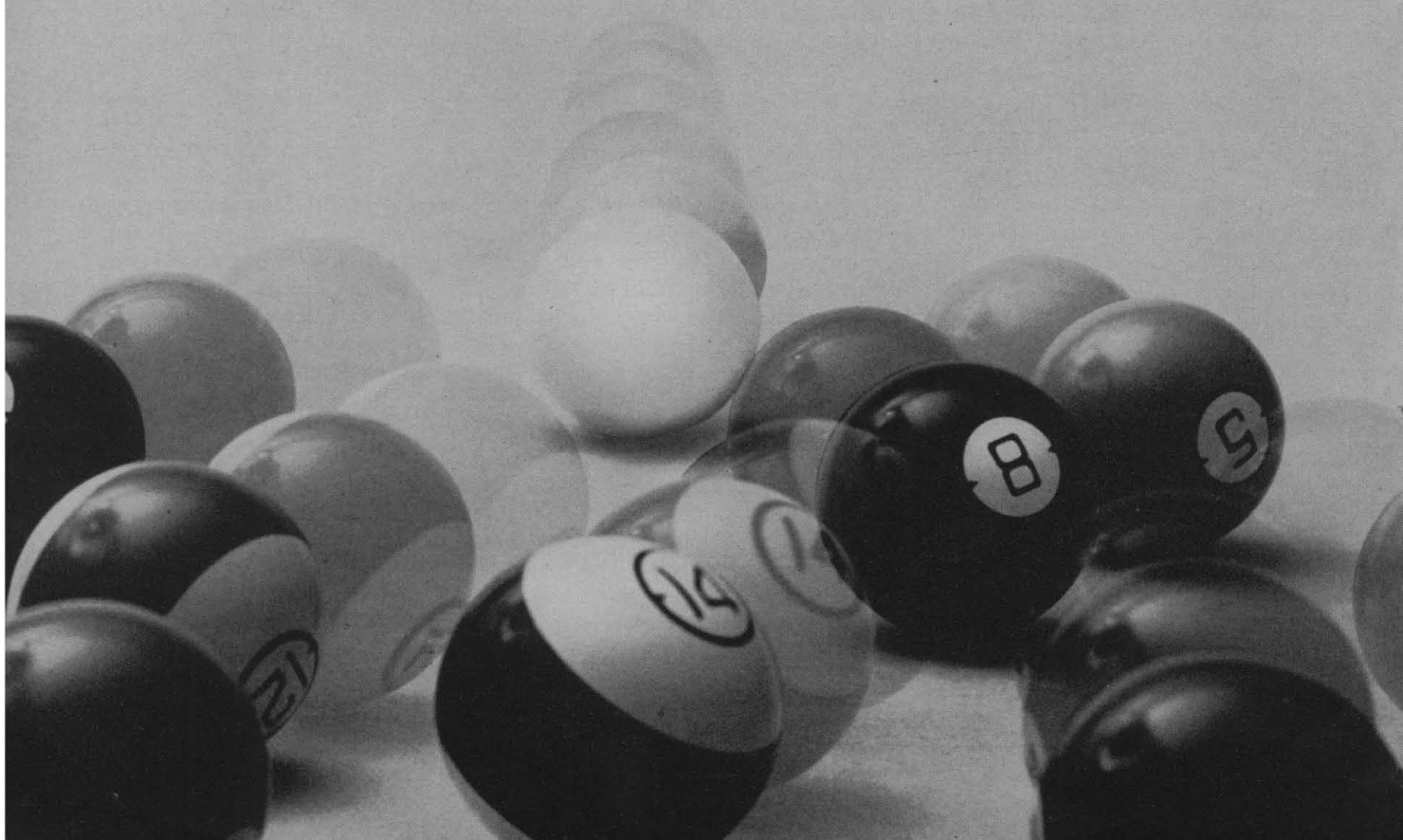
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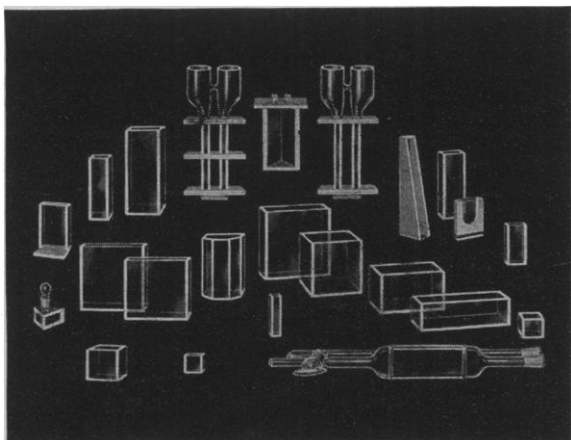
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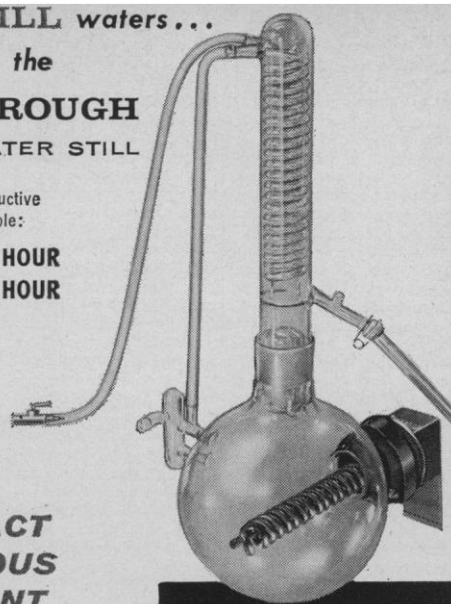
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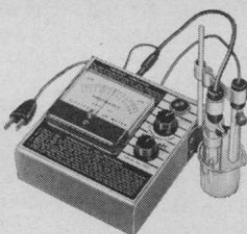
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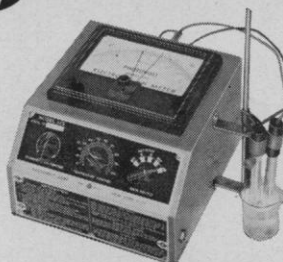


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5-7. Intercollegiate **Geological** Conf., Montreal, Quebec, Canada. (T. H. Clark, Dept. of Geological Sciences, McGill Univ., Montreal)

5-10. **Moorland Research**, intern. congr., Bremen, Germany. (Internationale Gesellschaft für Moorforschung, Hauptstr. 26, Vaduz, Liechtenstein)

6-7. American Acad. of **Psychotherapists**, annual conf., Chicago, Ill. (A. Ellis, Parc Vendome, 333 W. 56 St., New York 19)

6-7. **Parathyroid Insufficiency and Chronic Tetany**, intern. symp., Paris, France. (H. P. Klotz, Hôpital Bichat, 170 Boulevard Ney, Paris 18^e)

6-12. **Electronic Computers** in Civil Engineering, symp., Lisbon, Portugal. (M. Rocha, Laboratório Nacional de Engenharia Civil, Av. do Brasil, Lisbon)

7-9. **Neurology** and Neurological Sciences, congr., Tokyo, Japan. (Japanese Organizing Committee, c/o 3rd Dept. of Internal Medicine, Faculty of Medicine, University of Tokyo, Hongo, Tokyo)

7-10. **Process Engineers**, annual, Mainz, Germany. (Verfahrenstechnische Gesellschaft, Verein Deutscher Ingenieure, Rheingau-Allee 25, Frankfurt am Main, Germany)

7-10. Society of **Petroleum Engineers**, Los Angeles, Calif. (SPE, 345 E. 47 St., New York 17)

7-13. **Cardiology**, intern. congr., Mexico City, Mexico. (I. Costero, Instituto Nacional de Cardiologia, Ave. Cuauhtemoc 300, Mexico 7, D.F.)

8-10. **Electronics**, natl. conf., Chicago, Ill. (National Electronics Conf., 228 N. La Salle St., Chicago 1)

8-11. **Allergy**, congr., Basel, Switzerland. (R. Schuppli, c/o Dermatologische Universitäts-Klinik, Basel)

8-11. **Infectious Pathology**, intern. congr., Bucharest, Rumania. (N. Cajal, Str. Dumbrava, Rossie 23, Bucharest)

8-11. **Otorhinolaryngology**, congr., Paris, France. (H. Guillon, French Soc. of Otorhinolaryngology, 6 Avenue MacMahon, Paris 17^e)

8-11. **Water Pollution Control** Federation, annual, Toronto, Canada. (R. E. Fuhrman, Executive Secretary, WPCF, 4435 Wisconsin Ave., NW, Washington 16, D.C.)

8-12. American Soc. of **Civil Engineers**, Detroit, Mich. (W. H. Wisely, 345 E. 47 St., New York 17)

8-12. **Industrial Forestry**, seminar, St. Paul, Minn. (Z. W. White, Yale School of Forestry, 205 Prospect St., New Haven 11, Conn.)

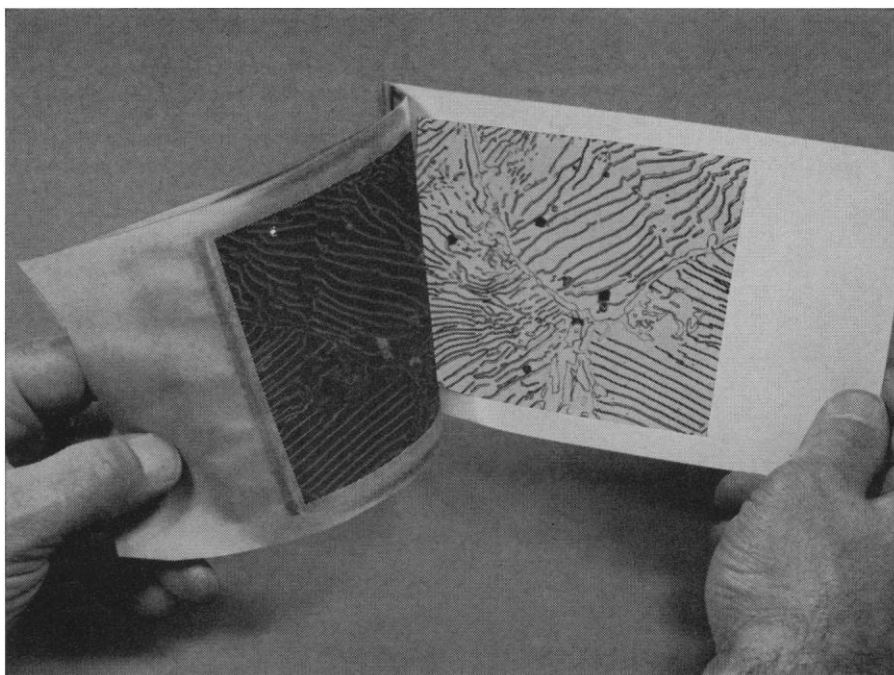
8-12. **Instruments** and Research Equipment, symp. and exhibit, Bethesda, Md. (L. Heiss, American Instrument Co., Inc., 8030 Georgia Ave., Silver Spring, Md.)

8-12. **Lead and Radiation Shielding Problems**, intern. conf., London, England. (J. Oldroyd, Lead Development Assoc., 34 Berkeley Square, London, W.1)

8-13. Treatment and Storage of High-Level **Radioactive Wastes**, symp., Vienna, Austria. (Intern. Atomic Energy Agency, 11 Kärntner Ring, Vienna 1)

8-20. **Statistical Forecasting**, training seminar, Paris, France. (World Meteorological Organization, 41 Avenue Giuseppe Motta, Geneva, Switzerland)

9-11. **Analytical Chemistry** in Nuclear



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Reactor Technology, Gatlinburg, Tenn. (C. D. Susano, Oak Ridge Natl. Laboratory, P.O. Box X, Oak Ridge, Tenn.)

9-11. International Assoc. of **Food Analysts**, symp., Bordeaux, France. (L. de Saint Rat, 18 Avenue de Villars, Paris 7^e, France)

9-11. **Nuclear Reactor Chemistry**, conf., Gatlinburg, Tenn. (W. R. Grimes, Oak Ridge Natl. Laboratory, P.O. Box X, Oak Ridge, Tenn.)

9-12. American **Dietetic** Assoc., annual, Miami Beach, Fla. (V. F. Harger, Dept. of Home Economics, Ohio State Univ., Columbus 10)

9-12. Scientific Soc. for **Aviation**, an-

nual, Brunswick, Germany. (Wissenschaftliche Gesellschaft für Luftfahrt, Martinstr. 40-42, Cologne, Germany)

10-12. **Comparative Medicine**, intern. symp., New York, N.Y. (J. D. Bech, Animal Medical Center, 350 Lafayette St., New York 12)

12. Biochemical Aspects of **Hormone** Action, symp., St. Louis, Mo. (A. B. Eisenstein, Jewish Hospital of St. Louis, 216 S. Kingshighway Blvd., St. Louis 10)

12-13 American **Medical Writers'** Assoc., Washington, D.C. (S. O. Waife, P.O. Box 1796, Indianapolis 6, Ind.)

12-14. **Phosphorylated Glucides**, intern. symp., Milan, Italy. (Segreteria del

Comitato Organizzatore del Symposium Internazionale sui Glucidi Fosforilati, Via Modica 6, Milano)

13. Metabolic and Structural Alterations in **Pre-Diabetes**, symp., New York, N.Y. (R. Levine, New York Diabetes Assoc., 104 E. 40 St., New York 16)

13-14. Fundamental Nature of **Living Matter**, symp., Cleveland, Ohio. (Dedication Committee Office, Allen Memorial Library, 11000 Euclid Ave., Cleveland 6)

13-14. International Federation of **Surgical Colleges**, annual, Atlantic City, N.J. (I. S. Ravdin, American College of Surgeons, 3400 Spruce St., Philadelphia 4, Pa.)

13-14. Society for **Psychophysiological Research**, annual, Denver, Colo. (S. G. Margolin, Dept. of Psychophysiology, Univ. of Colorado, Denver 20)

13-21. **Electronics Telecommunications, Automation, and Nucleonics**, intern. fair, Ljubljana, Yugoslavia. (Gospodarsko Razstavišče, Ljubljana)

14-17. **Electrical Insulation**, conf., Hershey, Pa. (L. J. Frisco, Div. of Engineering and Industrial Research, Natl. Acad. of Sciences, 2101 Constitution Ave., Washington 25)

14-19. **Dentistry Teaching**, seminar, Bogota, Colombia. (Pan American Sanitary Bureau, Washington 6)

14-19. **Pulp and Paper Engineering**, conf., Montreal, Canada. (Technical Assoc. of the Pulp and Paper Industry, 360 Lexington Ave., New York 17)

15-17. Association of Official **Agricultural Chemists**, annual, Washington, D.C. (W. Horwitz, Box 540, Benjamin Franklin Station, Washington 4)

15-17. **Materials Handling**, conf., Cincinnati, Ohio. (American Soc. of Mechanical Engineers, 29 W. 39 St., New York 18)

15-17. Selection Problems in **Plastics**, Amsterdam, Netherlands. (Secretariate, Tesselschadestraat 5, Amsterdam W.)

15-17. Specialists on **Antisubmarine Warfare**, natl. symp., Boston, Mass. (classified secret). (T. Nussdorfer, Geophysics Corp. of America, Bedford, Mass., or Institute of the Aerospace Sciences, 2 E. 64 St., New York 21)

15-18. American **Meteorological Soc.**, natl., New York, N.Y. (AMS, 45 Beacon St., Boston 8, Mass.)

15-18. **Danube Research**, intern. symp., Bratislava, Czechoslovakia. (L. Kneppo, Slovak Acad. of Sciences, Ul. Obrancov Mieru 41, Bratislava)

15-18. **Instrument-Automation**, conf. and exhibit, New York, N.Y. (Meetings Manager, Instrument Soc. of America, Penn-Sheraton Hotel, Pittsburgh 19, Pa.)

15-18. **Space Phenomena and Measurement**, intern. symp., Detroit, Mich. (H. E. DeBolt, AVCO Corp., 201 Lowell St., Wilmington, Mass.)

15-19. American College of **Surgeons**, annual clinical congr., Atlantic City, N.J. (ACS, 40 Erie St., Chicago 11, Ill.)

15-19. American **Public Health Assoc.**, annual, Miami Beach, Fla. (APHA, 1790 Broadway, New York, N.Y.)

15-19. Diagnosis and Treatment of **Radioactive Poisoning**, Vienna, Austria. (World Health Organization, Palais des Nations, Geneva, Switzerland)

(See issue of 10 August for comprehensive list)

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