Meetings and Societies

International Genetics

Two International Genetics Symposia on the subjects "Physical and chemical approaches to problems in chromosomes" and "Applied genetics," respectively, were held in Tokyo and Kyoto, Japan, 6-12 Sept. The symposia were organized by the Science Council of Japan as the second in a contemplated series of annual international scientific conferences. The two symposia were held jointly; their organization and attendance were such that in effect they constituted a small congress. Approximately 600 persons attended, including some 500 Japanese biologists and about 100 foreign delegates from the following countries: Belgium, Canada, China (Formosa), Denmark, France, Germany, Great Britain, India, Indonesia, Israel, Italy, Korea, Malaya and Singapore, the Netherlands, the Philippines, Portugal, Sweden, U.S.A., U.S.S.R., and Yugoslavia. Attendance of the large United States delegation was made possible by 40 travel grants from the National Science Foundation and the Office of Naval Research.

Plenary sessions of the symposia were held in the mornings and special sessions in the afternoons. Nearly 150 papers, all in English, and touching on every aspect of modern genetics, were presented. All sessions except the last were held in Tokyo. For the final session, the entire conference moved to Kyoto, ancient capital of Japan and, culturally, surely one of the world's most interesting cities. The quality of the papers was high. No attempt to summarize them will be made here, however, since the proceedings of the meeting will be published shortly.

Particular interest is attached to the new Soviet position with respect to Western genetics. These symposia were the first international genetics meetings to be attended by a Soviet delegation since the launching of the official attack on Mendelism in the late 1930's. The Soviet delegation consisted of I. E. Glushchenko, H. F. Kushner, and K. S. Sukhov from the Institute of Genetics and A. A. Imshenezkii from the Institute of Microbiology of the U.S.S.R. Academy of Sciences, Moscow. They were accompanied by an interpreter.

The present Soviet position, insofar as it can be stated, appears to consist of acceptance of the facts of Mendelian genetics, coupled with denial of their exceptional importance. The Soviet delegates employed Mendelian terminology in their papers, speaking of dominant and recessive traits and of mendelizing characters. I was told by Kushner, who spoke English: "We accept facts, and the 3/1 ratio is an undeniable fact. I teach my students that heredity is complicated, with several different forms: Mendelian, nuclear heredity; non-Mendelian, cytoplasmic heredity; and the kind of heredity I find in my experiments with blood transfusions." The experiments referred to purport to show that transfusion of blood from one breed of chickens to another, or even between different species of birds, can cause the offspring of the recipient to resemble the donor in plumage and other traits and that these changes are inherited.

Although the basic Soviet preoccupation is still Lysenkoist, a conciliatory attitude toward Mendelian genetics was quite evident at this meeting. This desire to conciliate may be sufficiently strong to allow genetics to gain a foothold again in the U.S.S.R. Indeed, we were told that Dubinin is now working on *Drosophila* in a radiobiological institute in Moscow. Of even greater immediate importance than the revival of genetics research would be a renaissance of genetics teaching in Soviet schools and universities. As yet, however, there is no clear sign that teaching has been profoundly modified.

Of the many memorable events of this meeting, special mention must be made of the exhibitions of plants and animals of particular genetic interest in Japan. These included silkworms, goldfish, long-tailed fowl, rice, wheat, Japanese morning-glory, and radishes. The breeding of most of these species is an ancient and in some cases peculiarly Japanese art, dating back at least 1000 years, for example, in the case of the silkworm, radish, and morning-glory. Most of the exhibits were living, and no pains were spared to insure that they were in prime condition and appropriately displayed.

For most of the foreign delegates, this was their first encounter with much of this material. Many were surprised to

learn that in the Japanese morning-glory, Pharbitis nil (n=15), exhibited at the National Institute of Genetics, Misima, no less than 219 genes and 10 linkage groups are known. In the silkworm, Bombyx mori (n=28), 211 genes and 15 linkage groups are known. In contrast to Drosophila, the majority of known mutations of Bombyx are expressed in the egg, larva, and cocoon. A variety of these were handsomely displayed at the Sericultural Experiment Station, Tokyo.

Much interest was shown in the method for sexing silkworms in the egg stage. This is made possible by a translocation to the W (female-determining) chromosome of a fragment carrying a dominant color gene. A new photoelectric gadget that scans a sample of eggs and neatly electrocutes the females was demonstrated. The process is of potential economic interest, because males produce more silk than females.

The collections of rice at the National Institute of Agricultural Sciences, Hiratuka Branch, and of wheat and goldfish, displayed at the Municipal Art Gallery of Kyoto, were very fine. As for the long-tailed fowl displayed at the Ueno Zoological Garden, Tokyo, and the giant radishes, many persons seemed to arrive at the same conclusion as the Soviet delegate who exclaimed "Impossible!" when he saw a living giraffe for the first time at the Osaka Zoo.

In addition to the afore-mentioned displays, there was an interesting exhibition of old documents and wood-block prints of genetic or agricultural interest, at the University of Tokyo. Finally, mention must be made of the seedless water-melon, the theory and practice of which were demonstrated at the Kihara Institute in Yokohama. The plant is a triploid and produces only small, aborted seeds; the flavor is delicious.

Besides the scheduled scientific sessions and exhibitions, opportunities were provided for visits to university laboratories and research institutes. It was a pleasure to meet many Japanese colleagues who had previously been known only through correspondence. Most impressive was the enthusiasm for genetical research among Japanese biologists. This can be gaged by the fact that the membership of the Genetics Society of Japan equals in number that of the Genetics Society of America.

Thanks to the generous hospitality of our hosts, many opportunities were also provided for sampling various aspects of Japanese life. These included visits to national cultural monuments, such as those of Nara and Nikko, to the Kabuki Theater, and to Japanese homes, restaurants, and teahouses.

The International Genetics Symposia were altogether a memorable affair. It was pointed out in one of the welcoming addresses at the opening session that this

was the first genetics conference of such scope ever held in Asia. The unanimous wish of the foreign delegates was that it will not be the last.

N. H. Horowitz

Kerckhoff Laboratories of Biology, California Institute of Technology, Pasadena

Preview of Programs at AAAS **New York Meeting**

Some of the programs to be presented at the 1956 AAAS meeting in New York are given here. Others will be announced from time to time in subsequent issues.

AAAS Special Sessions

One of the characteristic and most important features of the annual meetings of the AAAS is the series of outstanding general addresses by distinguished experts, sponsored by organizations that meet regularly with the association. These special events are joint sessions with the AAAS and are open to the general public of the city in which the meet-

Society of the Sigma Xi and Scientific Research Society of America. Joint annual address, 27 Dec., 8 p.m. "Technology and society," by Lawrence R. Hafstad, vice president and director of research, General Motors Corporation. Joseph W. Barker, president, Research Corporation, and president of the Society of the Sigma Xi, will preside. Wallace R. Brode, associate director, National Bureau of Standards, and chairman of the Scientific Research Society of America, will award the William Procter prize. George W. Beadle, retiring president of AAAS, will represent the association.

United Chapters of Phi Beta Kappa. Annual address, 27 Dec., 8 P.M. "Toward more vivid utopias," by Margaret Mead, associate curator of ethnology, American Museum of Natural History. Kirtley F. Mather, emeritus professor of geology, Harvard University, and member of the senate of the United Chapters of Phi Beta Kappa, will preside. Laurence H. Snyder, president-elect of AAAS, will represent the AAAS.

AAAS presidential address. 28 Dec., 8 Р.м. "The uniqueness of man," by George W. Beadle, chairman, division of biology, California Institute of Technology, and retiring president of the association. Paul B. Sears, director, Conservation Program, Yale University, and president of the association, will preside. Preceding the address, Eugene Holman, chairman of the board, Standard Oil Company (N.J.), and general chairman of the New York meeting, will speak briefly. Following the address there will be an informal

reception in the ballroom and adjacent rooms of the Hotel Statler. All registrants and members of the local committees are cordially invited to attend.

National Geographic Society. Annual lecture and film, 29 Dec., 7 P.M. "Southeast Asia's golden pageantry," by W. Robert Moore, chief, foreign editorial staff, National Geographic Society. Paul B. Sears, president, AAAS, will preside.

"Science Sunday" service and mass. St. Patrick's Cathedral, 30 Dec., 10 A.M. Rev. Laurence J. McGinley, S.J., president, Fordham University. Cardinal Spellman will preside. Hugh S. Taylor will represent the association. A portion of the cathedral will be set apart for visiting scientists.

Details of the two sessions of the AAAS general symposium, "Fundamental units and concepts of science" were given in last week's issue, and the 25th anniversary program of the Gordon Research Conferences will be announced in a subsequent issue.

AAAS Conferences

In recent years, in addition to the Academy Conference, several conferences have become recurrent events at AAAS meetings. Also interest in special subjects may develop to the point where a special program is arranged. These conferences and special programs are open to all who are interested.

Academy Conference, 29 Dec., morning and afternoon.

Conference on Scientific Editorial Problems, 26-28 Dec., six sessions.

Conference on Scientific Manbower. 26 Dec., afternoon. Paul B. Sears will preside. "The program of the national committee for the development of scientists and engineers," by Howard L. Bevis, chairman, National Committee for the Development of Science and Engineering, Washington, D.C. Implications for the physical sciences, for engineering, and for the life sciences will be discussed, respectively, by J. C. Warner, president, Carnegie Institute of Technology; Earl P. Stevenson, chairman of the board, Arthur D. Little, Inc.; and Milton O. Lee, executive secretary, Federation of American Societies for Experimental Biology.

Meeting Notes

■ The sixth annual symposium on blood will be held at Wayne State University, 18–19 Jan. 1957. Papers will be presented throughout the first day in the auditorium of the College of Medicine. Facilities for a group dinner and social gathering are being reserved for that evening. The scientific program will be concluded at noon on the 19th. Ample time is being

allowed for the audience to discuss the contributions of the invited speakers. For information, write to Walter H. Seegers, Department of Physiology and Pharmacology, Wayne State University, Detroit 7, Mich.

- The Institute of International Education has announced that the second National Conference on Exchange of Persons, on the theme "Education for international responsibilities," will take place at the Congress Hotel, Chicago, Ill., 5-7
- Some 7000 engineers are expected to attend the annual meeting of the American Society of Mechanical Engineers that will be held in New York, 25-30 Nov. More than 300 technical papers will be presented and discussed in a program whose theme is "Free exchange of knowledge-path to the future." Meeting sessions will be held in two midtown hotels, the Statler and the Sheraton-McAlpin.

Special features of the program include a 3-day International Conference on the Fatigue of Metals, which will make available to American audiences for the first time information presented originally at a similar conference in London in September. In order to compress the scheduled 72 technical papers into 3 days, the usual procedure under which each author summarizes his paper will be dispensed with. Instead, presentation will be mechanized, with a "reporter" summarizing all papers brieflyas many as 15 in a single session—thus leaving maximum time for discussion.

Joseph W. Barker will deliver his final address as society president at the president's luncheon on 26 Nov. The featured speaker at the ASME annual banquet on 28 Nov. will be Donald A. Quarles, Secretary of the Air Force.

Recently the National Conference on the Evaluation of Pharmacotherapy in Mental Illness met in Washington, D.C., under the sponsorship of the American Psychiatric Association, the National Academy of Sciences-National Research Council (Division of Medical Sciences), and the National Institute of Mental Health. R. W. Gerard, University Hospital, Ann Arbor, Mich., was conference chairman, and J. O. Cole was executive secretary of the conference. Cole is psychiatrist in charge for the projected Psychopharmacology Service Center of the National Institute of Mental Health, for which Congress has appropriated \$2 million to coordinate drug evaluation.

The conference formulated the following recommendations for the new center: (i) that support be provided basic research, launching of pilot studies, development of a methodology, and coordination of cooperative programs; (ii) that increased attention be given to the effects

of drugs on behavioral and psychological functioning; (iii) that the center arrange a conference to discuss the preclinical data available on new drugs and the information desired by the clinicians studying them; (iv) that the center seek to improve channels of communication in this and related fields by the preparation of annotated bibliographies, reviews, news letters, and appropriate conferences.

■ The first annual training institute of the American Group Psychotherapy Association will be held on 9 Jan. 1957 at the Henry Hudson Hotel, New York. From 10–12 Jan. the association's 14th annual conference will follow at the same location. For further information, write to: AGPA, Room 300, 345 E. 46 Street, New York 17, N.Y. Advance registration will close on 20 Dec.

Formation of the Venezuelan Geophysical Association (Associacion Venezolona Geofisica) has been announced in Caracas by C. G. Schauble, chief seismologist for the Sinclair Oil and Gas company and acting secretary of the association. Other temporary officers of the new organization are Clifford A. Wachter, chief geophysicist for the Venezuelan Atlantic Refining Company, acting legal representative, and Joseph A. Keeling, geophysical supervisor for Phillips Petroleum Company, program chairman. All are members of the Society of Exploration Geophysicists, and according to Schauble the 51 charter members hope to become a local section of SEG as soon as the bylaws have been registered in accordance with Venezuelan law.

Simultaneously it was announced at SEG headquarters in Tulsa, Okla., that

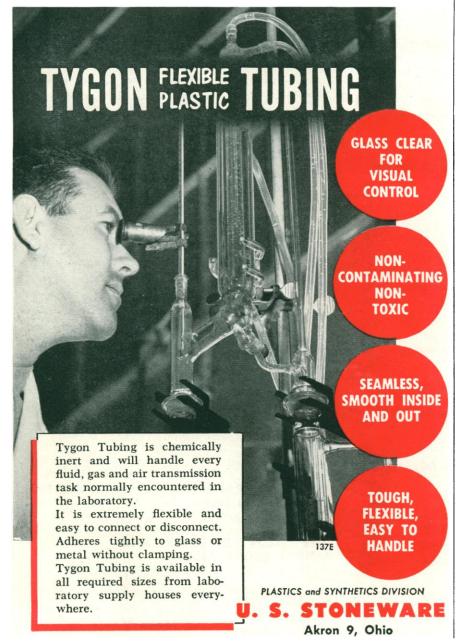
three other sections are being formed. Geophysicists in the Salt Lake City area have organized under the leadership of T. E. Hobbs, division geophysicist for the General Petroleum Corporation; G. D. Garland of the University of Alberta is chairman of the organizing committee for a section in Edmonton, Alberta, Canada; and James A. Hafes, geophysicist for British American Petroleum Company, heads the committee to organize a group in Regina, Saskatchewan. The affiliations of these new sections will bring the number of SEG local sections to 20.

■ The first International Conference on Operations Research will be held in Oxford, England 2–6 Sept. 1957, under the sponsorship of the Operational Research Society of Great Britain, the Operations Research Society of America, and the Institute of Management Sciences. Delegations are being organized by local societies in France, Germany, Italy, Norway, and Japan, and the interest in this rapidly developing new science is expected to bring observers from several other countries also.

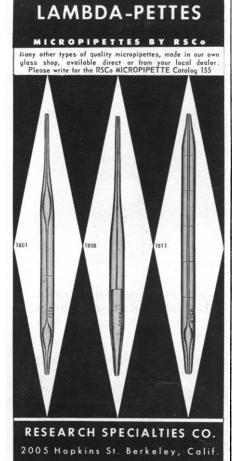
Papers on operations research or its applications are now being selected for the agenda, later to be published in full as a single volume of transactions. Summaries of about 200 words in length should be sent to Thornton Page, Operations Research Office, 7100 Connecticut Ave., Chevy Chase 15, Md.

Society Elections

- International Association of Milk and Food Sanitarians, Inc.: pres., Paul Corash, New York City Department of Health; senior past pres., Ivan E. Parkin, Pennsylvania State University; junior past pres., Harold S. Adams, Indiana University School of Medicine, Indianapolis; pres.-elect, Harold B. Robinson, U.S. Public Health Service; sec.-treas., H. H. Wilkowske, University of Florida; exec. sec., H. L. Thomasson, P.O. Box 437, Shelbyville, Ind. The vice presidents are Franklin W. Barber, National Dairies Research Laboratories, Inc., and William V. Hickey, Salt Lake City Health Department.
- American Society for Horticultural Science: pres., L. D. Davis, University of California, Davis; v. pres., W. T. Pentzer, U.S. Department of Agriculture, Beltsville, Md.; sec.-treas., Freeman S. Howlett, Ohio Agriculture Experiment Station, Wooster, Ohio.
- American Society of Zoologists: pres., Elmer Butler; pres.-elect, H. Burr Steinbach; past pres., Tracy Sonneborn; sec., Rudolf T. Kempton; treas., Jane Oppenheimer.



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- Society of Nuclear Medicine: pres., Norman J. Holter, Helena, Mont.; v. pres., Henry H. Turner, Oklahoma City; sec., Robert W. Lackey, Denver, Colo.; treas., Lindon Seed, Chicago; pres.-elect, Marshall Brucer, Oak Ridge, Tenn.; v. pres.-elect, Franz K. Bauer, Los Angeles, Calif.
- American Institute of Biological Sciences: pres., Wallace O. Fenn, University of Rochester School of Medicine; v. pres., Paul Kramer, Duke University; sec.-treas., Frank P. Cullinan, Bureau of Plant Industry, Beltsville, Md.

Forthcoming Events

December

13-15. Texas Acad. of Science, annual, Brownwood, Tex. (G. C. Parker, Texas A.&M. College, College Station.)

19. Arctic Branch, Alaska Div., AAAS, College Alaska. (Miss C. Juedes, Box 47, College.)

26-31. American Assoc. for the Advancement of Science, annual, New York, N.Y. (R. L. Taylor, AAAS, 1515 Massachusetts Ave., NW, Washington 5.)

The following 56 meetings are being held in conjunction with the AAAS annual meeting.

AAAS Academy Conference (L. Taylor, West Virginia Univ., Morgantown). 29-30 Dec.

AAAS Cooperative Committee on the Teaching of Science and Mathematics (M. Meister, Bronx High School of Science, New York 68). 27 Dec.

AAAS-Gordon Research Conferences (W. G. Parks, Univ. of Rhode Island, Kingston). 27 Dec.

Alpha Chi Sigma (H. G. Seavey, 30 Church St., Room 340, New York 7). 28 Dec.

Alpha Epsilon Delta (M. L. Moore, 7 Brookside Circle, Bronxville, N.Y.). 29 Dec.

American Assoc. of Clinical Chemists (A. E. Sobel, Jewish Hospital of Brooklyn, Brooklyn 16, N.Y.).

American Assoc. of Hospital Consultants (E. D. Barnett, School of Public Health, Columbia Univ., New York 32.)

American Assoc. of Scientific Workers (R. J. Rutman, 6331 Ross St., Philadelphia 44, Pa.). 29 Dec.

American Astronomical Soc. (J. A. Hynek, Harvard College Observatory, Cambridge 38, Mass.). 26-29 Dec.

American Documentation Inst. (J. Hilsenrath, National Bureau of Standards, Washington 25). 27-29 Dec.

American Educational Research Assoc. (A. G. Wesman, Psychological Corp., 522 Fifth Ave., New York 36). 29 Dec.

American Meteorological Soc. (R. J. Roth, Crop-Hail Insurance Actuarial Assoc., 209 W. Jackson Blvd., Chicago, Ill.). 28 Dec.

American Museum of Natural History (G. Reekie, AMNH, Central Park West at 79 St., New York, N.Y.). 26 Dec.

American Nature Study Soc. (R. L.



NEXT STEP

Today man stands on the threshold of his next and greatest adventure - the exploration of outer space. Before the earth has circled the sun another twenty times it is highly probable, in view of recent engineering and scientific break-throughs, that man will set foot on the moon.

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SYSTEMS LABORATORIES CORPORATION

15016 Ventura Blvd., Sherman Oaks, Calif. in Los Angeles' San Fernando Valley

Weaver, Univ. of Michigan, Ann Arbor). 26-30 Dec.

American Philosophical Assoc., Eastern Div. (J. Wild, Harvard Univ., Cambridge 38, Mass.). 27 Dec.

American Psychiatric Assoc. (B. Pasamanick, Ohio State Univ., Columbus 10). 28-29 Dec.

American Soc. of Hospital Pharmacists (G. E. Archambault, U.S. Public Health Service, Washington 25). 29 Dec.

American Soc. of Range Management (F. G. Renner, Soil Conservation Service, U.S. Dept. of Agriculture, Washington 25). 28 Dec.

American Statistical Assoc. (R. E. Johnson, Western Electric Co., New York 7).

Association for Computing Machinery (J. P. Nash, Univ. of Illinois, Urbana).

Association of American Geographers (P. M. Stern, Conservation Foundation. 30 E. 40 St., New York, N.Y.).

Astronomical League (H. B. Davidson. 812 Park Ave., New York 21.)

Conference on Scientific Editorial Problems (J. G. Adashko, Ford Instrument Co., Long Island City, N.Y.). 26-28 Dec.

Conference on Scientific Manpower (T. J. Mills, National Science Foundation, Washington 25). 26 Dec.

Ecological Soc. of America (M. F. Buell, Rutgers Univ., New Brunswick. N.J.). 26-30 Dec.

Entomological Soc. of America (P. W. Oman, Plant Industry Sta., Beltsville, Md.). 27-30 Dec.

Genetics Soc. of America (A. W. Pollister, Columbia Univ., New York 27).

History of Science Soc. (Miss P. Kibre, Hunter College, New York, N.Y.). 27-29

Honor Soc. of Phi Kappa Phi (L. R. Guild, 634 So. Western Ave., Los Angeles 5, Calif.). 28-29 Dec.

Institute of Mathematical Statistics (Miss E. Scott, Univ. of California, Berkeley 4)

International Council for Exceptional Children (M. H. Fouracre, Columbia Univ., New York 27). 26 Dec.

International Union for the Study of Social Insects, North American Section (T. C. Schneirla, American Museum of Natural History, Central Park West at 79 St., New York, N.Y.). 26-27 Dec.

Mountain Lake Biological Sta. (B. D. Reynolds, Univ. of Virginia, Charlottes-ville).

Mycological Soc. of America (L. S. Olive, Columbia Univ., New York 27). 26 Dec.

National Acad. of Economics and Political Science (D. P. Ray, George Washington Univ., Washington, D.C.). 27 Dec.

National Assoc. for Gifted Children (Miss A. F. Isaacs, 409 Clinton Springs Ave., Cincinnati, Ohio).

National Assoc. for Research in Science Teaching (N. Washton, Queens College, Flushing 67, L.I., N.Y.). 27 Dec.

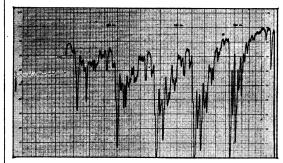
National Assoc. of Biology Teachers (J Breukelman, State Teachers College, Emporia, Kan.). 26-30 Dec.

National Assoc. of Science Writers (J. E. Pfeiffer, New Hope, Pa.).

National Geographic Soc. (W. R. Gray. NGS, 16 and M Sts., NW, Washington 6). 29 Dec.

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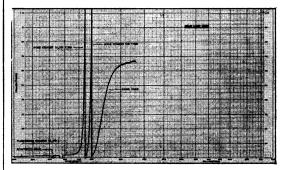
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National Speleological Soc. (Brother G. Nicholas, LaSalle High School, Cumberland, Md.). 29 Dec.

New York Acad. of Sciences (R. F. Nigrelli, New York Zoological Soc. and M. Kopac, New York Univ., Washington Sq., New York, N.Y.). 29 Dec.

Philosophy of Science Assoc. (C. W. Churchman, Case Inst. of Technology, Cleveland, Ohio). 29-30 Dec.

Pi Gamma Mu (B. H. Williams, Industrial College of the Armed Forces, Washington 25). 26 Dec.

Scientific Research Soc. of America (D. B. Prentice, Yale Univ., New Haven, Conn.). 26-27 Dec.

Sigma Delta Epsilon (C. Chandler, Boyce Thompson Inst. for Plant Research, 1086 N. Broadway, Yonkers 3, N.Y.).

Sigma Pi Sigma (M. W. White, Pennsylvania State Univ., University Park).

Society for the Advancement of Criminology (D. E. J. MacNamara, New York Inst. of Criminology, 2109 Broadway, New York, N.Y.). 29 Dec.

Society for the Advancement of General Systems Theory (L. von Bertalanffy, Mt. Sinai Hospital, Los Angeles 48, Calif.). 29-30 Dec.

Society for the Study of Evolution (H. Lewis, Univ. of California, Los Angeles 24). 27-29 Dec.

Society of General Physiologists (A. Shanes, National Institutes of Health, Bethesda, Md.).

Society of Systematic Zoology (R. E.

Blackwelder, Box 500, Victor, N.Y.). 27-30 Dec.

Society of the Sigma Xi (T. T. Holme, Yale Univ., New Haven, Conn.). 27 Dec.

Society of Vertebrate Paleontology, annual (J. T. Gregory, Peabody Museum of Natural History, Yale Univ., New Haven, Conn.). 28÷30 Dec.

Torrey Botanical Club (David Keck, New York Botanical Garden, Bronx Park, New York 58). 26-27 Dec.

United Chapters of Phi Beta Kappa (C. Billman, PBK, 1811 Q St., NW, Washington 6). 27 Dec.

27-28. Fluid Mechanics in Chemical Engineering, American Chemical Soc., Lafayette, Ind. (W. E. Ranz, Dept. of Engineering Research, Pennsylvania State Univ., University Park.)

27-28. Linguistic Soc. of America, Philadelphia, Pa. (A. A. Hill, Box 7790, University Sta., Austin 12, Tex.)

27-29. American Mathematical Soc., 63rd annual, Rochester, N.Y. (J. H. Curtiss, AMS, 80 Waterman St., Providence 6, R.I.)

27-29. American Physical Soc., Monterey, Calif. (W. A. Nierenberg, Univ. of California, Berkeley 4.)

27-29. Western Soc. of Naturalists, annual, Goleta, Calif. (D. Davenport, Santa Barbara College, Goleta.)

27-30. American Economic Assoc., annual, Cleveland, Ohio. (J. W. Bell, 629 Noyes St., Evanston, Ill.)

27-30. American Finance Assoc., annual, Cleveland, Ohio. (G. E. Hassett, Jr., New York Univ., 90 Trinity Place, New York 6.)

28. Society for the Advancement of Criminology, annual western, Fresno, Calif. (W. Dienstein, Fresno State College, Fresno.)

28-29. American Folk-Lore Soc., annual, Santa Monica, Calif. (MacE. Leach, Bennett Hall, Univ. of Pennsylvania, Philadelphia 4.)

28-30. American Anthropological Assoc., annual, Santa Monica, Calif. (W. S. Godfrey, Jr., Logan Museum, Beloit College, Beloit, Wis.)

28-30. American Historical Assoc., annual, St. Louis, Mo. (AHA, Study Room 274, Library of Congress, Washington 25.)

28-30. Archaeological Inst. of America, annual, Philadelphia, Pa. (C. Boulter, Library, Univ. of Cincinnati, Cincinnati 21, Ohio.)

28-30. Industrial Relations Research Assoc., Cleveland, Ohio. (E. Young, Sterling Hall, Univ. of Wisconsin, Madison 6.)

29. Mathematical Assoc. of America, 40th annual, Rochester, N.Y. (H. M. Gehman, Univ. of Buffalo, Buffalo 14, N.Y.)

29-30. American Chemical Soc., Div. of Industrial and Engineering Chemistry, Princeton, N.J. (A. H. Emery, ACS, 1155 16 St., NW, Washington 6, D.C.)

January

7-11. International Social Science Council, 3rd gen'l. assembly, Paris, France. (Secretary Gen'l., ISSC, 19, avenue Kleber, Paris 16.)

10. Technical and Clinical Applications of Radioisotopes, Assoc. of Vitamin Chemists, Chicago, Ill. (M. Freed, Dawe's Laboratorics, Inc., 4800 S. Richmond St., Chicago 32.)

10-12. American Group Psychotherapy Assoc., 14th annual, New York, N.Y. (C. Beukenkamp, Jr., AGPA, Room 300, 345 E. 46 St., New York 17.)

14-16. Cottonseed Processing as Related to the Nutritive Value of the Meal, 4th conf., New Orleans, La. (Southern Regional Research Lab., USDA, 1100 Robert E. Lee Blvd., New Orleans 19.)

14-16. Reliability and Quality Control in Electronics, 3rd natl. symp., Washington, D.C. (C. M. Ryerson, Radio Corp. of America, Bldg. 10-6, Camden 2, N.J.)

14-18. Society of Automotive Engineers, annual, Detroit, Mich. (Meetings Div., SAE, 29 W. 39 St., New York 18.)

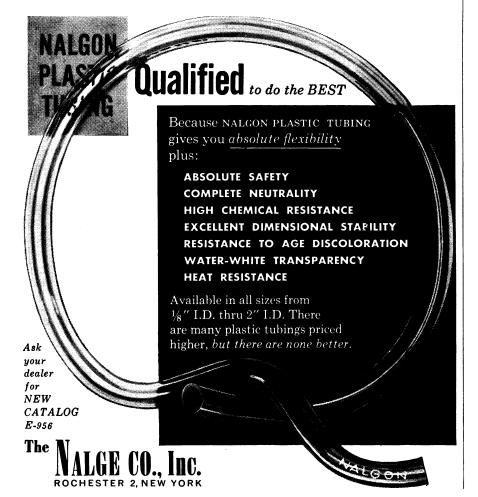
14-20. Indian Science Cong. Assoc., 44th meeting, Calcutta, India. (General Secretary, ISCA, 1 Park St., Calcutta 16.)

16-23. Australian and New Zealand Assoc. for the Advancement of Science, 32nd meeting, Dunedin, N.Z. (J. R. A. McMillan, ANZAAS, Science House, 157 Gloucester St., Sydney, N.S.W., Australia.)

17-18. Engineers Joint Council, New York, N.Y. (EJC, 29 W. 39 St., New York 18.)

18-19. Symposium on Blood, 6th annual, Detroit, Mich. (W. H. Seegers, Wayne State Univ. Coll. of Medicine, Detroit 7.)

21-22. Solar Furnace Design and Op-





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eration, Phoenix, Ariz. (J. I. Yellott, Assoc. for Applied Solar Energy, 3424 N. Central Ave., Phoenix.)

21-25. American Inst. of Electrical Engineers, winter general, New York, N.Y. (N. S. Hibshman, AIEE, 39 W. 39 St., New York 18.)

23-25. Very Low Frequency Electromagnetic Waves, symp., Boulder, Colo. (J. R. Wait, National Bureau of Standards, Boulder.)

28-29. Many Body Problem, symp., Hoboken, N.J. (G. J. Yevick, Dept. of Physics, Stevens Inst. of Technology, Hoboken.)

28-31. American Meteorological Soc., New York, N.Y. (K. C. Spengler, AMS, 3 Joy St., Boston 8, Mass.)

3 Joy St., Boston 8, Mass.)
28-31. Modern Methods of Analytical
Chemistry, 10th annual symp., Baton
Rouge, La. (P. W. West, Louisiana State
University, Baton Rouge.)

30-1. American Assoc. of Physics Teachers, New York, N.Y. (F. Verbrugge, Carleton College, Northfield, Minn.)

30-31. College-Industry Conf., 9th annual, American Soc. for Engineering Education, Los Angeles, Calif. (Univ. of California Extension, Engineering, Los Angeles 24.)

31-2. Western Soc. for Clinical Research, 10th annual, Carmel-by-the-Sea, Calif. (A. J. Seaman, WSCR, Univ. of Oregon Medical School, Portland 1.)

February

4-8. American Soc. for Testing Materials, Philadelphia, Pa. (R. J. Painter, ASTM, 1916 Race St., Philadelphia 3.)

10-12. Canadian Ceramic Soc., 55th annual, Niagara Falls, Ont., Canada. (L. C. Keith, 49 Turner Rd., Toronto, Ont.)

14. Present, Status of Heart Sound Production and Recording, symp., Buffalo, N.Y. (R. M. Kohn, Univ. of Buffalo, 2183 Main Street, Buffalo 14, N.Y.)

14. Significance of Nucleic Acid Derivatives in Nutrition, Assoc. of Vitamin Chemists, Chicago, Ill. (M. Freed, Dawe's Laboratories, Inc., 4800 S. Richmond St., Chicago 32.)

14-15. Transistor Circuits, conf., Philadelphia, Pa. (G. H. Royer, Westinghouse Electric Corp., 356 Collins Ave., Pittsburgh 6, Pa.)

15-16. National Soc. of Professional Engineers, Charleston, S.C. (P. H. Robbins, 2029 K St., NW, Washington 6.)

18-20. American Educational Research Assoc., annual, Atlantic City, N. J. (F. W. Hubbard, AERA, 1201 16 St., NW, Washington 6.)

18-22. American Soc. of Civil Engineers, Jackson, Miss. (W. H. Wisely, ASCE, 33 W. 39 St., New York 18.)

18-22. Endocrinology: Hormones in Blood, Ciba Found. Colloq. (by invitation), London, England. (G. E. W. Wolstenholme, 41 Portland Place, London, W.1.)

23. Oregon Acad. of Science, annual, Monmouth, (F. A. Gilfillan, Oregon State College, Corvallis.)

24-28. American Inst. of Mining, Metallurgical and Petroleum Engineers, annual, New Orleans, La. (E. O. Kirkendall, AIME, 29 W. 39 St., New York 18.)