

Meetings and Societies

Council of National Organizations

The Council of National Organizations of the Adult Education Association of the United States met in Atlantic City 7–9 Nov. 1956. The theme of the meeting was an analysis of the personal and social factors influencing individuals to belong to organizations and participate in their programs.

Lawrence K. Frank (formerly director, Caroline Zachary Institute for Human Development) presented the case for the individual factors, whereas Ira De A. Reid (Haverford College) covered the social forces influencing the individual to association. Both men emphasized changing patterns brought on by suburbanization, automation, and mobility of population. They were highly provocative and elicited lively discussion and disagreement on the part of the discussion panel members and the audience.

Melvin A. Glasser (National Foundation for Infantile Paralysis) presented the practical implications of the theme and the preceding theoretical talks to the future work of organizations. Small work groups took up the material from there and made even more specific applications to the programs and membership problems of the organizations the individual delegates represented. Their reports were synthesized and ably presented at the final session by Louis A. Radelet (National Conference of Christians and Jews).

CNO does much more than run an annual meeting. One group has been analyzing and experimenting with techniques for the handling of controversial issues. The TV committee is in the process of developing a year-long series of television and radio programs highlighting social problems and programs with the role of various national organizations emphasized. A grant is being sought for a major study of social trends with particular emphasis on the effects a select number of them may and should have on the programs and activities of organizations. These are only a few facets of a full program developed in the 5 years since CNO was set up as an organ of the Adult Education Association with support from the Fund for

Adult Education. The participating organizations have gained a wealth of new ideas through the exchange of experiences in the council.

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New Burakan Observatory

The University of Erevan has had a small telescope for teaching purposes for some years, but, as has happened elsewhere, it has become too small and poorly situated for active astronomical research. Activated by a desire to strengthen Armenian astronomy by obtaining adequate observing facilities, Ambartzumian, who has been recognized as one of the leaders in Soviet astronomy, has, during the past 10 years, directed the erection of a new observatory. This is located about 20 miles north of Erevan at an altitude of about 4500 feet.

The moderate-sized instruments at the Burakan Observatory are of types which are useful in research on stellar statistics, gaseous nebulae, and problems related to stellar evolution—that is, fields in which Ambartzumian is particularly interested. The most impressive are the 21 inch–21 inch Matsutov type Schmidt telescope and the nebular spectrograph with a mirror about 1 foot in diameter. With the latter instrument, Dombrosky discovered the polarization of the Crab Nebula. In addition, the observatory has an 8 inch–12 inch Schmidt, a 16-inch reflector which is used for photoelectric photometry, a 10-inch reflector with a small spectrograph attached as part of the mounting, two small astrographs, and interferometers for radio observations at 4.2 and 1.5 meters. The spectrograph for the 10-inch reflector is equipped with reflection optics and a grating for use in the ultraviolet. Construction has been started on a large parabolic antenna for centimeter-wave radio astronomy. Future plans call for a long-focus visual refractor to complement the small-scale instruments.

This fall, the new observatory was dedicated and its importance was recognized by giving it the status of an institute. This places it directly under the

Armenian Academy of Science; it had been merely a part of the Mathematics and Physics Section of the academy. In celebration, a symposium on nonstable stars was held 19–24 Sept. 1956. The high polarization of the light from the Crab Nebula suggests that the emission from this nebula is the radiation of relativistic electrons moving in the magnetic field of the nebula. The emission from other radio sources may have the same origin. Ambartzumian has now proposed that a similar phenomenon may account for the flares and the peculiar ultraviolet continuum in T Tauri and other very young dwarf stars as well as for the emission from some peculiar nebulae.

About 30 participants explored the applications of this hypothesis, detailed the observations which must be satisfied by any theory, and discussed other possible explanations of the observations. The foreign (non-Russian) participants in the symposium were as follows: Jesse L. Greenstein (California Institute of Technology), George Herbig (University of California), and Nancy G. Roman (Naval Research Laboratory) from the United States; Guillermo Haro (Tacubaya and Tonantzintla Observatories) from Mexico; Evry Schatzman (Institut d'Astrophysique, Paris) from France; Vahe Oskanian (Belgrade Astronomical Observatory) from Yugoslavia; and Kung Shu-mu and Shen Liang-tsao (Purple Mountain Observatory, Nanjing) from China. The Russians included the three-man Astronomical Council (Michailov, Kurkarkin, and Mashevitch) and representatives of the major Soviet observatories as well as others interested in the field. The symposium amply fulfilled its purpose of collecting the knowledge currently available on these problems and outlining profitable directions for future research.

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Meeting Notes

■ A symposium on the role of solar furnaces in the study of materials at very high temperatures will be held at the Hotel Westward Ho in Phoenix, Ariz., 21–22 Jan. Organized for the benefit of American industry, the program is being sponsored by the Association for Applied Solar Energy, Stanford Research Institute, Arizona State College, Tempe, and the University of Arizona.

Symposium arrangements are being made through John I. Yellott, 3424 N. Central Avenue, Phoenix, Ariz.

■ An international conference on general relativity and the role of gravitation in physics will be held at the University of North Carolina at Chapel Hill, 18–23

Jan. About 40 physicists, 14 of them from foreign countries, will engage in scientific discussions and will pool their information on recent developments in gravitational research.

Most of the conferences will be closed work-shop sessions; however, there will be a "popular symposium" to which the public is invited, at which time phases of gravitational research will be discussed.

■ Peacetime uses of atomic energy will be the topic of the 1957 Nuclear Congress, which is scheduled for 11-15 Mar. at the Philadelphia Convention Hall

under the coordination of the Engineers Joint Council.

Four major elements are included in the congress. (i) The second Nuclear Engineering and Science Congress, coordinated by EJC on behalf of 20 engineering and scientific societies, will feature 130 technical papers during a 4-day program. (ii) The National Industrial Conference Board will hold its fifth conference on Atomic Energy in Industry, featuring 12 round-table discussions. (iii) The International Atomic Exposition, sponsored by the American Institute of Chemical Engineers in cooperation with

four other engineering societies, will display industry's latest items in the atomic field. (iv) The Fifth Hot Laboratories and Equipment Conference, sponsored by the Hot Laboratories Committee of Oak Ridge National Laboratory, will take place 14-15 Mar. and deal with the operation and development of equipment for laboratories for atomic energy.

Walter G. Whitman of Massachusetts Institute of Technology, president of the American Institute of Chemical Engineers, is general chairman for the 1957 congress.

■ The 11th annual symposium on Fundamental Cancer Research will be held at the University of Texas M. D. Anderson Hospital and Tumor Institute in the Texas Medical Center in Houston, 7-9 Mar. The general topic is "Viruses and tumor growth."

Society Elections

■ American Society for the Study of Arteriosclerosis: pres., Charles F. Wilkinson, Jr.; v. pres., R. Gordon Gould; sec.-treas., O. J. Pollak, P.O. Box 228, Dover, Del.

■ American Institute of Chemical Engineers: pres., J. Henry Rushton, Purdue University; v. pres., George E. Holbrook, E. I. du Pont de Nemours and Company; treas., George G. Brown, University of Michigan; sec., F. J. Van Antwerpen, 25 W. 45 St., New York 36.

■ Council of National Organizations of the Adult Education Association: chairman, John A. Behnke, American Association for the Advancement of Science; vice chairman, Samuel D. Freeman, National Jewish Welfare Board; sec., Helen M. Feeney, Girl Scouts of U.S.A.

■ Association for Research in Nervous and Mental Disease: pres., Francis J. Braceland; 1st v. pres., Paul Hoch; 2nd v. pres., Carl Pfeiffer; sec.-treas., Rollo J. Masselink, 710 West 168th St., New York 32; asst. sec., Lawrence C. Kolb.

■ American Council of Independent Laboratories, Inc.: pres., Alvin C. Purdy, Bull and Roberts, Inc., New York; v. pres., Cecil M. Shilstone, Shilstone Testing Laboratory, New Orleans; sec., Roger W. Truesdail, Truesdail Laboratories, Inc., Los Angeles; treas., F. H. Wright, Lucius Pitkin, Inc., New York.

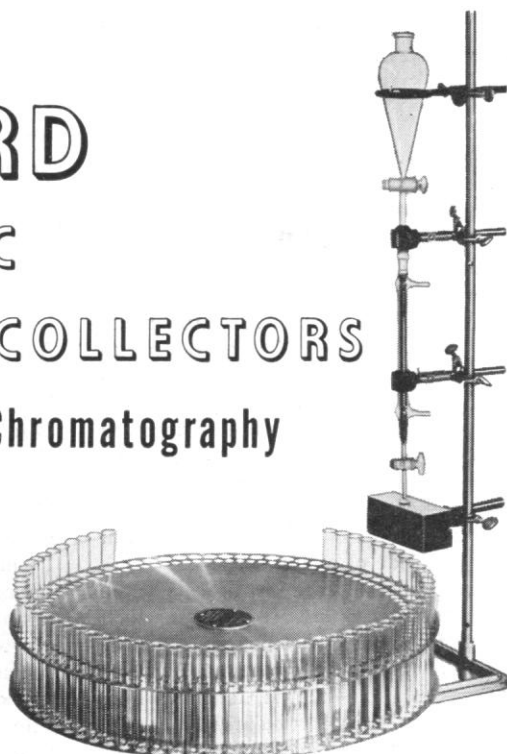
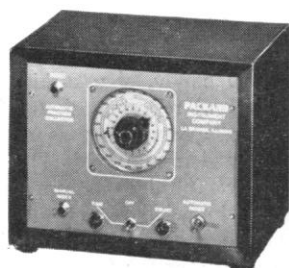
■ Radiological Society of North America, Inc.: pres., C. Edgar Virden; pres.-elect, Sydney J. Hawley; sec.-treas., Donald S. Childs, 713 E. Genesee St., Syracuse, N.Y. The vice presidents are Richard H. Chamberlain, Maurice D. Frazer, and Harold P. Tompkins.

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Forthcoming Events

February

3. American Assoc. of Bioanalysts, 3rd annual Margaret Beattie Lecture, San Francisco, Calif. (W. N. Reich, Walnut Creek-Lafayette, Laboratories, 1625 Locust St., Walnut Creek, Calif.)

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

9-12. Medical Education and Licensure, 53rd annual cong., Chicago, Ill. (E. L. Turner, American Medical Assoc., 535 N. Dearborn St., Chicago 10.)

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

15-17. National Assoc. for Research in Science Teaching, annual, Atlantic City, N.J. (C. M. Pruitt, Univ. of Tampa, Tampa, Fla.)

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.)

21-23. National Soc. of College Teachers of Education, annual, Chicago, Ill. (C. A. Eggertsen, School of Education, Univ. of Michigan, Ann Arbor.)

23. American Mathematical Soc., New Haven, Conn. (J. H. Curtiss, AMS, 190 Hope St., Providence 6, R.I.)

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.)

24-28. International College of Surgeons, 10th biennial cong., Mexico, D.F., Mexico. (M. Thorek, ICS, 850 W. Irving Park Rd., Chicago 13, Ill.)

25-28. American Soc. of Heating and Air-Conditioning Engineers, Chicago, Ill. (A. V. Hutchinson, ASHAE, 62 Worth St., New York 13.)

26-28. Western Joint Computer Conf., Los Angeles, Calif. (M. J. Mendelson, Norden-Ketay Corp., 13210 Crenshaw Blvd., Gardena, Calif.)

March

1-2. American Physical Soc., Norman, Okla. (K. K. Darrow, Columbia Univ., New York 27.)

1-3. National Wildlife Federation, annual, Washington, D.C. (C. H. Callison, 232 Carroll St., NW, Washington 12.)

3-6. American Inst. of Chemical Engineers, White Sulphur Springs, W.Va. (F. J. Van Antwerpen, AIChE, 25 W. 45 St., New York 36.)

3-9. American Soc. of Photogrammetry, 23rd annual, joint with American Cong. on Surveying and Mapping, 17th annual, Washington, D.C. (C. E. Palmer, ASP, 1515 Massachusetts Ave., NW, Washington 5.)

4. Wildlife Soc., annual, Washington, D.C. (D. L. Leedy, Fish and Wildlife Service, Dept. of the Interior, Washington 25.)

4-6. National Biophysics Conf., Columbus, Ohio. (H. P. Schwan, School of Medicine, Univ. of Pennsylvania, Philadelphia 4.)

4-8. Analytical Chemistry and Applied Spectroscopy, Pittsburgh, Pa. (L. M. Melnick, U.S. Steel Corp., Applied Research Lab., Monroeville, Pa.)

7-9. Fundamental Cancer Research, 11th annual symp., Houston, Tex. (L. Dmochowski, M. D. Anderson Hospital, Texas Medical Center, Houston 25.)

7-9. Optical Soc. of America, semianual, New York, N.Y. (S. S. Ballard, Scripps Inst. of Oceanography, San Diego 52, Calif.)

(See issue of 21 December for comprehensive list)

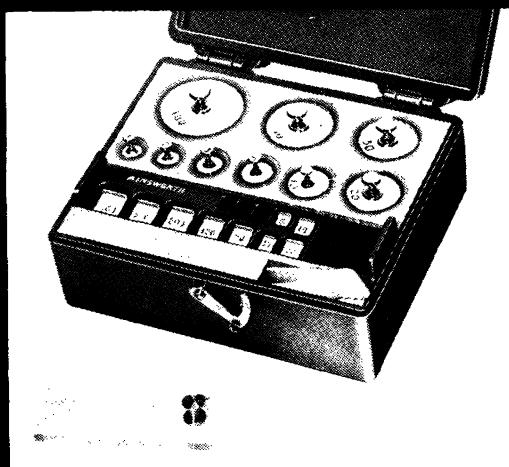
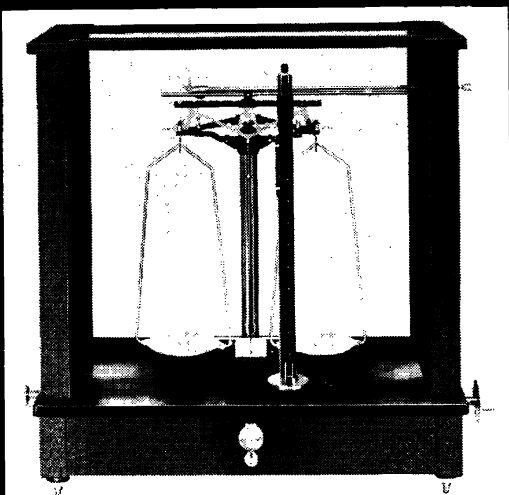
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