

# Meetings

## Arid Lands Conference

The UNESCO-Iran Symposium on Salinity Problems in the Arid Zones will be held in Teheran, 11-15 October. Under the Arid Zone Program of UNESCO, symposia on subjects of topical interest in arid zone research, such as hydrology, plant ecology, wind and solar energy, or climatology, have been organized each year. The advisory Committee on Arid Zone Research, at its 11th session, suggested that a symposium

should be organized to deal with problems of salinity of land and water, especially with reference to the purification of salt water and the utilization of saline water by plants and animals. The Iranian Government offered to be host to the symposium, the aim of which is to bring together a number of scientists to present and discuss original research papers on these problems.

The Iranian Government will invite selected participants from countries in North Africa, the Middle East, and South Asia. UNESCO will ensure the participation of a number of scientists from other parts of the world. It is hoped

that, in addition, some specialists will be able to attend at their own or their institutions' expense. The total participation will not exceed 60 persons.

The Natural Sciences Department of UNESCO, 19 Avenue Kléber, Paris 16°, will be responsible for the coordination and scheduling of contributions so as to achieve a well-balanced program. Some of the participants invited by UNESCO will be asked to present papers of a more general character to serve as an introduction to the various sections.

The Iranian Government has established an organizing committee that is responsible for all the local arrangements. The executive secretary of this committee is Prof. H. Behnia, Rue Handjani, Avenue Parse, Teheran.

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<b>Journal of Applied Chemistry</b> ( <i>Zhurnal Prikladnoi Khimii</i> ). All aspects of applied chemical research. Reports from research institutes and USSR factory laboratories. 12 issues per year, approximately 2000 pages.	95.00	<b>60.00</b>	<b>20.00</b>
<b>Bulletin of the Academy of Sciences USSR, Div. Chem. Sci.</b> ( <i>Izvestiya Akad. Nauk SSSR, Otdel. Khim. Nauk</i> ). Research reports in all fields of chemistry, by leading members of the Soviet Academy of Sciences. General, organic, inorganic, physical and biological chemistry. 12 issues per year, approximately 1500 pages.	150.00	<b>45.00</b>	<b>15.00</b>

\*Foreign subscriptions—\$5.00 higher.

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## Nuclear Reactor Technology

The Oak Ridge National Laboratory has announced that the second conference in a series of unclassified meetings on the role of analytical chemistry in nuclear reactor technology will be held in the Civic Auditorium at Gatlinburg, Tenn., 29 September-1 October. This meeting is a continuation of the first conference, which was held at Gatlinburg in November 1957. Any worker in the field who feels that he has some worthwhile contribution to offer is invited to participate in the program. Papers that may require up to 30 minutes for presentation will be considered. Abstracts of approximately 200 words should be submitted *by 1 July*. All manuscripts received *before 1 October* will be published in the proceedings. For further information write to C. D. Susano, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tenn.

## Anniversary for Chemical Engineers

The American Institute of Chemical Engineers will celebrate its 50th anniversary in Philadelphia, Pa., 22-27 June. Theme of this golden jubilee celebration will be "A Look to the Future." The technical program will summarize 50 years of progress in chemical engineering. There will be more than 80 papers in 13 different symposia. A keynote address will be delivered at a special session by Monroe E. Spaght, executive vice president of Shell Oil Company. Crawford H. Greenewalt, president of E. I. duPont de Nemours, will address the banquet.

## American Nuclear Society

A total of 190 papers will be presented in 24 sessions at the fourth annual meeting of the American Nuclear Society, in

Los Angeles, Calif., 2-5 June. The Statler Hotel will serve as headquarters, and W. E. Parkins is local program chairman. The program includes two special sessions: one on radiation damage in metallic fuels and a second on shielding. Other sessions will concern all phases of nuclear science and engineering. Two sessions of the Nuclear Codes Group will be held concurrently with the meeting.

This is the first ANS meeting to be held on the West Coast, and the Southern California Section will act as local host. Chauncey Starr, vice president of Atomics International, is honorary chairman, and W. R. Hainsworth, vice president for research of the Fluor Corporation, Ltd., is general chairman. Between 1200 and 1500 scientists and engineers are expected to attend. For information, write to the American Nuclear Society, Inc., Box 963, Oak Ridge, Tenn.

### Mucopolysaccharides

A Conference on the Chemical and Physical Structure of Mucopolysaccharides will be held 5-6 June at Castle Hill, Ipswich, Mass. The conference is sponsored by the National Science Foundation and organized by the Retina Foundation. The proceedings will not be published. In addition to the 40 invited participants, only 20 scientists may attend because of the limitations of space and accommodations. For further information write to Dr. Endre A. Balazs or Dr. Roger Jeanloz (program directors) at 30 Chambers St., Boston 14, Mass.

### Forthcoming Events

#### June

29-2. American Astronomical Soc., Madison, Wis. (J. A. Hynek, Smithsonian Astrophysical Observatory, 60 Garden St., Cambridge 38, Mass.)

29-4. National Education Assoc., Cleveland, Ohio. (W. G. Carr, NEA, 1201 16 St., NW, Washington 6.)

30-5. High Energy Nuclear Physics Conf., annual (by invitation), Geneva, Switzerland. (CERN, Geneva 23.)

#### July

4-6. Astronomical League, Ithaca, N.Y. (Miss W. A. Cherup, 4 Klopfer St., Millvale, Pittsburgh 9, Pa.)

6-12. Cancer Cong., 7th intern., London, England. (H. F. Dorn, National Inst. of Health, Bethesda 14, Md.)

6-12. Research and Development Engineering Seminar, 2nd annual, University Park, Pa. (Extension Conference Center, Pennsylvania State Univ., University Park.)

7-9. Exchange of Knowledge in a Divided World, Chicago, Ill. (H. W. Winger, Graduate Library School, Univ. of Chicago, Chicago 37.)



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## The Beginnings of Embryonic Development

AAAS Symposium Volume No. 48

Published July 1957

Edited by Albert Tyler, California Institute of Technology

R. C. von Borstel, Oak Ridge National Laboratory

Charles B. Metz, The Florida State University

6 x 9 inches, 408 pages, 132 illustrations, references,  
subject and author index, clothbound

**Price \$8.75, AAAS members' prepaid order price \$7.50**

A symposium on "Formation and Early Development of the Embryo", held 27 December, 1955, at the Second Atlanta Meeting of the AAAS, served as the basis for this volume. Emphasis was placed on the problems of early development and of the initiation of development. The investigations presented in the various communications cover both descriptive and experimental work on the biological and chemical levels. Apart from their intrinsic interest and the measure of progress that they provide, the specific discoveries and analyses presented serve to exemplify various approaches toward the understanding of the manner in which sperm and egg contrive to produce a new individual.

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**AAAS, 1515 Massachusetts Avenue, NW, Washington 5, D.C.**

The American Association for the Advancement of Science announces three new symposium volumes of the utmost importance to psychiatrists, neurologists, clinical psychologists, physiologists, pharmacologists, and biochemists—and of great interest to the general public.

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6" x 9", 205 pp., 32 illus., references, index, cloth, March 1957.  
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### Alcoholism—

#### Basic Aspects and Treatment

6" x 9", 220 pp., 33 illus., references, index, cloth, May 1957.  
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City \_\_\_\_\_ State \_\_\_\_\_

7-11. Technical and Industrial Communications Inst., Fort Collins, Col. (Chairman, Dept. of English and Modern Languages, Colorado State Univ., Fort Collins.)

7-12. Nuclear Physics, intern. cong., IUPAP, Paris, France. (C.I.P.N., Institut du Radium, II, rue Pierre Curie, Paris 5<sup>e</sup>.)

8-11. Institute of the Aeronautical Sciences, summer, Los Angeles, Calif. (S. P. Johnston, IAS, 2 E. 64 St., New York 21.)

9-15. Zoological Nomenclature Colloquium, London, England. (F. Hemming, 28 Park Village East, Regent's Park, London, N.W.1.)

10-14. Research Methods in Soil Zoology, colloquium, Harpenden, Hertfordshire, England. (P. W. Murphy, Rothamsted Experimental Station, Harpenden.)

15-22. Association Française pour l'Avancement des Sciences, 77th cong., Namur, Belgium. (AFAS, 28, rue Serpente, Paris VI<sup>e</sup>, France.)

15-23. Educational Treatment of Deafness, Intern. cong., Manchester, England. (A. W. G. Ewing, Dept. of Education of the Deaf, Univ. of Manchester, Manchester 13.)

16-23. Zoology, 15th Intern. cong., London, England. (H. R. Hewer, c/o British Museum of Natural History, Cromwell Road, London, S.W.7.)

21-24. High Polymer Conf., Intern., Nottingham, England. (Conference Secretariat, Dept. of Scientific and Industrial Research, Charles House, 5-11, Regent St., London, S.W.1.)

24-25. Computers and Data Processing, 5th annual symp., Denver, Col. (Electronics Div., Denver Research Inst., Univ. of Denver, Denver 10.)

25-29. Chromatic Discrimination in Animals and Man, ICSU symp., Paris, France. (H. Pieron, Collège de France, Place Marcelin-Berthelot, Paris 5<sup>e</sup>.)

28-30. Regulation of Cell Metabolism, Ciba Foundation symp. (by invitation), London, England. (G. E. W. Wolstenholme, 41 Portland Pl., London, W.1.)

28-2. Home Economics, 9th intern. cong., College Park, Md. (Congress Director, American Home Economics Assoc., 1600 20 St., NW, Washington 9.)

28-8. Statistical Summer Seminar, Dedham, Mass. (I. Weiss, Bell Telephone Labs., North Andover, Mass.)

### August

7-9. Electron Microscope Soc., annual, Los Angeles, Calif. (C. M. Schwartz, Battelle Memorial Inst., 505 King Ave., Columbus 1, Ohio.)

10-16. Radiation Research, intern. cong., Burlington, Vt. (H. M. Patt, Argonne National Lab., P.O. Box 299, Lemont, Ill.)

13-15. Electronic Standards and Measurements Conf., Boulder, Colo. (J. F. Brockman, National Bureau of Standards, Boulder.)

13-19. Seaweed Symposium, 3rd Intern., Galway, Ireland. (C. O. hEocha, Chemistry, Department, University College, Galway.)

13-20. International Astronomical Union, 10th general assembly, Moscow, U.S.S.R. (P. Th. Oosterhoff, IAU, Leiden Observatory, Leiden, Netherlands.)

## Equipment

*The information reported here is obtained from manufacturers and from other sources considered to be reliable. Science does not assume responsibility for the accuracy of the information. A coupon for use in making inquiries concerning the items listed appears on page 1302.*

■ **LINEAR RATE METER** converts randomly spaced input pulses into an average count-rate per minute. Count rate is indicated in seven linear ranges or in a logarithmic scale. The latter permits initial estimates over a range of 30 to 300,000 count/min to guide selection of the optimum linear scale. Output is available for operation of a chart recorder. (Technical Associates, Dept. 75)

■ **NUCLEAR-MAGNETIC-RESONANCE SPECTROMETER** achieves improved resolution and increased sensitivity by operating in the 60-Mcy/sec frequency range instead of the 40-Mcy/sec range. This change is made possible by the development of a new magnet producing a field of 14,000 gauss with the same absolute field uniformity and stability as the previously used 9400-gauss field. Additional features of the new instrument are reduced sensitivity to room- and water-temperature fluctuations and the capability of operating over a wide range of field strengths. (Varian Associates, Dept. 77)

■ **PROJECTION METER** combines a meter movement, 0- to 1-ma d-c in a standard instrument, and a projector as a unit. The instrument is used on the lecture table along with associated equipment. The meter movement is protected from heat by being located at the bottom of the instrument. Interchangeable scales are available in many ranges. Scale length at projection distance of 6.5 ft is 30 in. (Williamson Development Co., Inc., Dept. 79)

■ **FREQUENCY CHANGER** provides power of variable frequency for equipment drawing up to 100 va. Frequency range is 45 to 2000 cy/sec. An auxiliary input permits use of an external signal of precise frequency to control the output frequency. Input voltage range is 105 to 125 v at 45 to 65 cy/sec. Output voltage is 0 to 135 v with  $\pm 1$  percent regulation for line or load variations. Distortion is 1 percent maximum over the output range 75 to 125 v at temperatures from 0 to 40°C ambient. (Sorensen and Co., Inc., Dept. 80)

■ **PULSE-HEIGHT ANALYZER** scans continuously between base-line settings of 0 and 100 v, with a complete scan representing 20 in. of recorder paper travel. Chart speed may be varied from 7.5 to 240 in./hr. The instrument combines a direct-writing strip-chart recorder, a linear amplifier and single-channel pulse-height