

that all-or-none conduction was developed chiefly under the necessity of action over distances in organisms whose parts became separated by reason of size and complexity and where graded response and consequent decremental conduction would be inadequate for central-nervous-system control of peripheral organs; and (iii) that the chief characteristic function of nervous and other excitable tissues are performed by means of graded responses.

LAWRENCE R. PINNEO  
Allan Memorial Institute of Psychiatry,  
McGill University, Montreal, Canada

## Meetings

### Southwestern and Rocky Mountain Division

The Southwestern and Rocky Mountain Division of the American Association for the Advancement of Science held its 35th annual meetings in Laramie, Wyo., 5-9 May 1959. Most of the sessions were conducted jointly with those of the 30th annual meetings of the Colorado-Wyoming Academy of Science.

Featured sessions at the meetings included an address by Chauncey D. Leake, president-elect of the AAAS, on "Standards of measurement and nursery rhymes"; a report on the activities of the association by Paul D. Klopsteg, president; and an invited paper, "Physical constants as standards of measurement," by A. G. McNish of the National Bureau of Standards.

Programs of the sections of the division and of the Colorado-Wyoming Academy of Science included 137 individual papers. Two symposia consisting of invited papers were conducted. One of these, sponsored by the division's committee on desert and arid zones research, was presented by eight specialists in the fields of agriculture, on the subject "Agricultural problems in arid and semi-arid environments." At the fourth in a series of symposia on improvement of science teaching, some problems of college teaching were discussed. After a stimulating talk on "Graduate training for the college science teacher," by Robert H. Bruce, dean of the Graduate School of the University of Wyoming, discussion groups, divided according to scientific discipline, considered their special problems.

On the final day of the meetings a large group of members of the Colorado-Wyoming Junior Academy of Science attended sessions featuring a chalk talk on the evolution of the Rocky Mountain area, by Samuel H. Knight of the University of Wyoming, and presentation of student papers.

The division's annual John Wesley Powell memorial lecture was presented by Hershel K. Mitchell, professor of biology of the California Institute of Technology, who spoke on "A perspective of biochemical genetics."

Retiring divisional president Albert R. Mead, professor of zoology of the University of Arizona, delivered the presidential address, on "Science and extremism."

The newly elected officers of the division include Lora M. Shields (New Mexico Highlands University), president; Alan T. Wager (Arizona State University), president-elect; and Earl D. Camp (Texas Technological College), member of the executive committee. Marlowe G. Anderson (New Mexico State University) will continue as executive secretary-treasurer and council representative.

Sul Ross State College at Alpine, Texas, was chosen as the site of the 1960 meetings, and an invitation from Arizona State University to hold the 1961 meeting in Tempe, Arizona, was accepted.

MARLOWE G. ANDERSON  
New Mexico State University,  
University Park

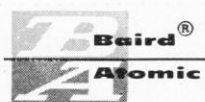


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## Forthcoming Events

### August

30-3. American Inst. of Biological Sciences, annual, University Park, Pa. (H. T. Cox, AIBS, 2000 P St., NW, Washington 6.)

30-4. American Cong. of Physical Medicine and Rehabilitation, Minneapolis, Minn. (Miss D. C. Augustin, 30 N. Michigan Ave., Chicago 2, Ill.)

30-4. Laurentian Hormone Conf., Mont Tremblant, Quebec, Canada. (G. Pincus, 222 Maple Ave., Shrewsbury, Mass.)

30-4. Medical Education, 2nd world conf., Chicago, Ill. (World Medical Assoc., 10 Columbus Circle, New York 19.)

30-5. World Federation for Mental Health, 12th annual, Barcelona, Spain. (Miss E. M. Thornton, Secretary-General, WFMH, 19, Manchester St., London W.1, England.)

30-6. History of Science, 9th intern. cong., Barcelona and Madrid, Spain. (J. Vernet, via Layetona 141, Barcelona.)

30-6. Residues on Crops and/or the Problem of Insect Resistance to Insecticides, symp., Munich, Germany. (R. Morf, Secretary-General, IUPAC, c/o Sandoz S. A., Basel, Switzerland.)

30-6. Thermodynamics and Experimental Thermochemistry, 17th intern. cong. (Intern. Union of Pure and Applied Chemistry), Munich, Germany. (Div. of Chemistry and Chemical Tech-

nology, Natl. Research Council, Washington 25.)

30-12. International Oceanographic Cong. (AAAS, UNESCO, ICSU), New York, N.Y. (Miss M. Sears, chairman, Woods Hole Oceanographic Institution, Woods Hole, Mass.)

31-2. Free Radical Stabilization, 4th intern. symp., Washington, D.C. (A. M. Bass, Natl. Bureau of Standards, Washington 25.)

31-2. Stratospheric Meteorology, conf., Minneapolis, Minn. (H. G. Houghton, AMS, Dept. of Meteorology, Massachusetts Inst. of Technology, Cambridge 39.)

31-3. Biological Photographic Assoc., Montreal, Canada. (Miss J. H. Waters, P.O. Box 1668, Grand Central Station, New York 17.)

31-3. Mathematical Assoc. of America, 40th summer meeting, Salt Lake City, Utah. (H. M. Gehman, MAA, Univ. of Buffalo, Buffalo 14, N.Y.)

31-4. Haematin Enzymes, symp. (by invitation), Canberra, Australia. (A. H. Ennar, John Curtin School of Medical Research, Australian National Univ., Canberra.)

### September

1-3. Association for Computing Machinery, natl., Cambridge, Mass. (J. Moshman, Council for Economic and Industry Research, Inc., 1200 Jefferson Davis Highway, Arlington 2, Va.)

1-6. College of American Pathologists,

Chicago, Ill. (A. H. Dearing, Suite 2115 Prudential Plaza, Chicago 1.)

1-7. History and Philosophy of Science (General Assembly, History Div., Intern. Union of the History and Philosophy of Science), Barcelona, Spain. (R. Taton, IUHPS, 64, rue Gay-Lussac, Paris 5<sup>e</sup>.)

1-8. Acoustics, 3rd intern. cong., Stuttgart, Germany. (E. Zwicker, Breitscheidstrasse 3, Stuttgart N.)

1-7 Oct. International Civil Aviation Organization (Meteorological Div.), Montreal, Canada. (ICAO, Maison de l'Aviation Internationale, Montreal.)

2-4. Allergy, 4th European cong., London, England. (British Assoc. of Allergists, Wright-Fleming Inst., St. Mary's Hospital, London, W.2.)

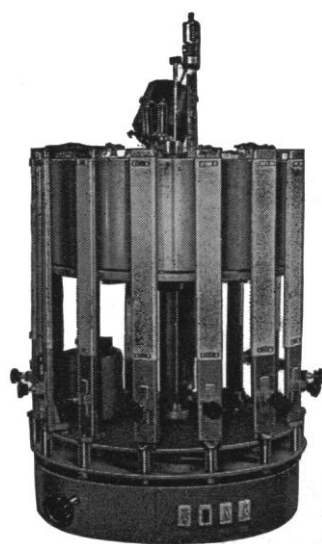
2-4. Cryogenic Engineering Conf., Berkeley, Calif. (K. D. Timmerhaus, CEC, Chemical Engineering Dept., Univ. of Colorado, Boulder.)

2-4. Crystal Imperfections and the Chemical Reactivity of Solids (Faraday discussion), Kingston, Ontario, Canada. (Faraday Soc., 6 Gray's Inn Sq., London, W.C.1, England.)

2-5. American Mathematical Soc. and Mathematical Assoc. of America (joint summer), Salt Lake City, Utah. (E. Pitcher, AMS, Lehigh Univ., Bethlehem, Pa.)

2-8. Foundations of Mathematics: Infinitistic Methods, symp., Warsaw, Poland. (A. Mostowski, Dept. of Mathematics, Univ. of California, Berkeley 4.)

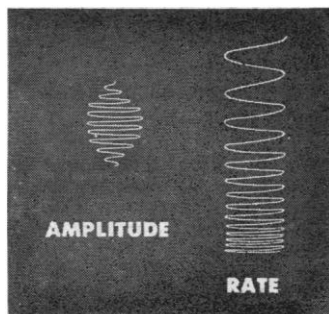
(See issue of 19 June for comprehensive list)



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