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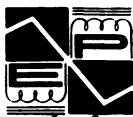
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Logic, Institute of Mathematical Statistics, Mathematical Association of America, National Council of Teachers of Mathematics, and Society for Industrial and Applied Mathematics. Dr. J. Barkley Rosser, chairman of the CBMS council presided at the conference.

LEON W. COHEN

*Conference Board of the Mathematical Sciences
Washington 6, D.C.*

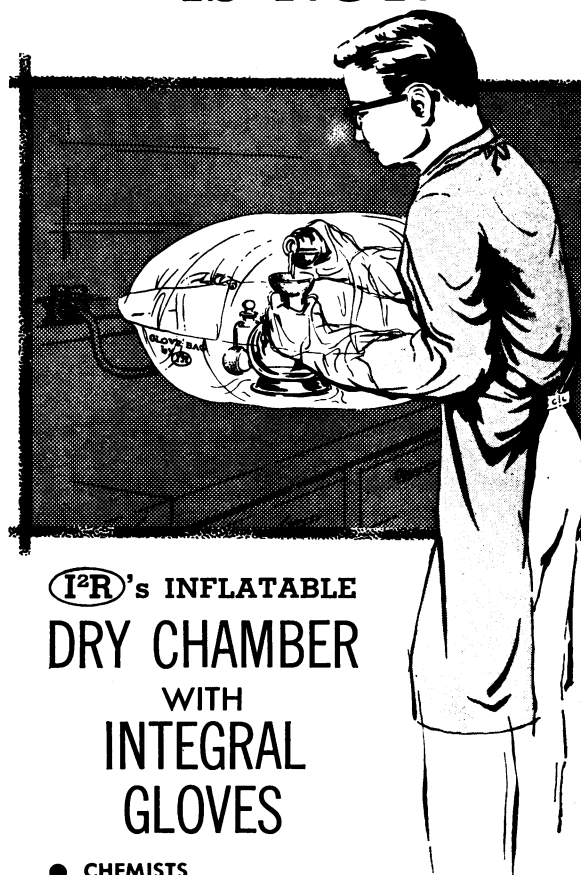
International Congress of Zoology, 20-27 August 1963

The 16th International Congress of Zoology will be held in Washington on 20-27 August 1963. In contrast to many congresses, which consist mainly of individually contributed papers plus a number of specialized symposia, a high degree of organization is planned for this meeting. Individual papers have been, to be sure, welcomed, and a large number of "special" symposia have been organized. Many of these symposia are designed to cut across the lines between two or more subdisciplines. Individual papers and special symposia will occupy the afternoons. The unique feature of the congress is that the morning sessions will be devoted exclusively to a series of plenary symposia, in which our current knowledge of some six broad areas of animal biology will be presented to the participants as a whole by experts in each field.

The reasons for this planning lie in the present state of the science of zoology. Half a century or so ago, like every other major scientific discipline, zoology was essentially a discrete unit structure, well-demarcated for the most part from other sciences, and with a considerable degree of mutual intelligibility between workers in its subfields. Today this is no longer the case. Happily, the boundaries between animal biology and the physical sciences have been in great measure broken down. Less happily, with increase in breadth and depth of research interests, there has been a strong trend toward fragmentation—a disintegration of the field into a number of minor disciplines, between which communication is often poor. The major aim of zoology should be an understanding of the animal as a whole. Currently we are rapidly advancing our knowledge of various fractions of the field; but our concept of the total organism has all but vanished.

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So far has zoological fragmentation gone that when the organizing committee for the present congress first met, the question was posed as to whether this process had not proceeded so far that it was futile to hold a further congress in this field. The committee's reaction to this was a vigorous affirmation of its belief that the holding of the proposed congress was not only possible but highly desirable; that it was high time that disintegration be counteracted by synthesis; that better channels of communication be set up between workers in the discrete areas of the subject; and that the congress should be a step toward reunion of the zoological sciences into a coherent

discipline, making a broadly based attack on the problems of animal life.

It is with this ambition for a rebirth of zoology that the committee chose as the symbol of the congress the phoenix, reborn from its ashes.

The plenary symposia, with participants, are as follows: Genetic Continuity, Benzer (Purdue), Meselson (Harvard), Spiegelman (Illinois); Cell Biology, DeRobertis (Buenos Aires), Ingram (M.I.T.), Lehninger (Hopkins); Development, Oppenheimer (Bryn Mawr), Markert (Hopkins), Abercrombie (London); Evolution, Rendel (Sydney), Lewontin (Rochester), Mayr (Harvard), Kurten (Helsingfors); Phylogeny, Prosser (Illinois), Schmidt-Neil-

sen (Duke), Carter (Cambridge); Behavior, Bullock (U.C.L.A.), Thorpe (Cambridge), and others.

Special symposia include: North American fauna, endocrine mediation in social adjustments, chromosome structure and function, the deep scattering layer, simian malaria, neuroanatomy, evolution of endocrine systems, regulation of numbers in natural populations, biological productivity at heterotrophic levels, inhibitory control of growth and differentiation, biology of abyssal animals, evolution of higher levels of organization, invertebrate chemoreception, evolution of man, ontology of basic response patterns, nucleocytoplasmic interrelations, evolution at population and interpopulation levels, principles and problems of functional anatomy, nomenclature, new techniques for systematics, biology of gnotobiotic animals, animal navigation, mimicry, scientific use of natural areas, ecological and evolutionary aspects of "biological clocks," mammalian evolution on the southern continents, insect development and endocrinology, physiology of Echinodermata, biology of blood protozoa, and behavioral adaptations of mammals to their environments.

On the more general and less technical side, there will be a series of evening symposia on "Science and Man," the topics including protection of vanishing species, population growth in man and its consequences; man's ability to control his biological destiny; nature, man, and pesticides; and "Our Plundered Planet."

The week's sessions will be broken on Saturday, 24 August, for a day of rest or excursions, of which a number are planned. In addition to scientific events, a number of social occasions are planned, including receptions at the National Zoological Park and the U.S. National Museum, and a special evening opening of the National Gallery. A "Science Theatre" will show an extensive and carefully selected series of biological films, brought together by R. A. Boolootian. Washington weather in August tends to be very much on the warm and humid side; however, all meetings will be in the air-conditioned Sheraton-Park and Shoreham hotels.

An extensive program of publication of the proceedings of the congress is planned. Abstracts of all contributed papers, in bound form, will be in the hands of all participants at the time of the congress, as will be rather longer summaries of all papers given at the



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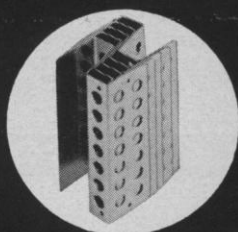
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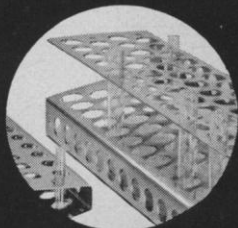
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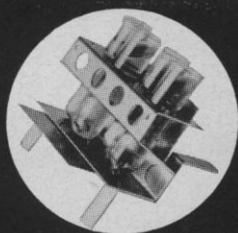
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special symposia. Subsequent to the congress all participants will receive a volume containing the full text of all papers included in the special symposia.

The congress is under the presidency of Alfred S. Romer, with Gairdner B. Moment as secretary-general, Alexander Wetmore as treasurer, John A. Moore as program chairman, and Gerard Piel as finance chairman. It is sponsored by the National Academy of Sciences with the cooperation of the American Society of Zoologists, the American Institute of Biological Sciences, and societies of animal biology generally.

ALFRED S. ROMER
*National Academy of Sciences,
Washington 25, D.C.*

Forthcoming Events

July

5-9. **Pure and Applied Chemistry**, 22nd conf., London, England. (Div. of Chemistry and Chemical Technology, Natl. Research Council, 2101 Constitution Ave., Washington 25)

7-11. **Testing and Research Laboratories for Materials and Structures**, intern. union, symp., Budapest, Hungary. (Hungarian Scientific Inst. for Structural Engineering, Dioxzegi ut 37, Budapest 11)

7-14. **American Dental Soc. of Europe**, annual, Barcelona, Spain. (A. Sturridge, 30 Welbeck St., London, W.1, England)

7-17. **Aerospace Education**, 7th natl. conf., Miami Beach, Fla. (Natl. Aerospace Education Council, 1025 Connecticut Ave., NW, Washington 6)

8-13. **Ionization Phenomena in Gases**, 6th intern. conf., Orsay, France. (P. Hubert, CENFAR, P.O. Box 6, Fontenay-aux-Roses (Seine), France)

9-11. **Space Telecommunications**, intern. symp., Boulder, Colo. (Boulder Laboratory, Natl. Bureau of Standards, Boulder)

10-12. **Meteorological Support for Aerospace Testing and Operation**, Fort Collins, Colo. (Inst. of Aerospace Sciences, 2 E. 64 St., New York 21)

10-12. **High Magnetic Fields**, production and applications, conf., Oxford, England. (N. Kurti, Clarendon Laboratory, Parks Rd., Oxford)

10-17. **Pure and Applied Chemistry**, 19th intern. congr., London, England. (Div. of Chemistry and Chemical Technology, Natl. Research Council, 2101 Constitution Ave., Washington 25)

11-14. **Fluorine and Dental Caries Prevention**, 10th congr., Geneva, Switzerland. (Inst. de Médecine Dentaire de l'Université, 30 rue Lombard, Geneva)

12-13. **Renal Hypertension**, intern. conf., Columbus, Ohio. (J. A. Prior, Center for Postgraduate Medical Education, Ohio State Univ., 113 Hamilton Hall, 1645 Neil Ave., Columbus 10)

14-19. **Congenital Malformations**, 2nd intern. conf., New York, N.Y. (Science Information Div., The National Foundation, 800 Second Ave., New York 17)

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Volume 2, 498 pp., \$24.00
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Energy

By B. Chalmers
289 pp., \$5.75

Ninth Symposium on Combustion

Published for the Combustion Institute
1091 pp., \$42.00

The Solar Corona

Proceedings of International Astronomical Union Symposium Number 16

Edited by J. W. Evans
344 pp., \$14.00

The Cell in Mitosis

Edited by L. Levine
274 pp., \$10.00

Mass Spectrometry of Organic Ions

Edited by F. W. McLafferty
730 pp., \$24.00

Colloidal Surfactants

Some Physicochemical Properties

By K. Shinoda, T. Nakawawa, B. Tamamushi, and T. Isemura
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Edited by L. Marton
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Edited by B. Dawes
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Symposia of International Society for Cell Biology

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