

version of Observational Histories into Control Signals; Stratification and Control of Large Systems with Applications to Chess and Checkers; Gradient, Error-Correction Identification Algorithms; Least-Square Methods in Abstract Pattern Recognition; On Optimal Stochastic Control with Smoothed Information; and Theory of Transformation Groups of Polynomials over  $GF(2)$  with Applications to Linear Shift Register Sequences.

A. S. G.

### ANNOUNCEMENTS

#### Symposium on "Macromolecules in Storage and Transfer of Biological Information"

The Symposium on "Macromolecules in Storage and Transfer of Biological Information" organized by the Biology and Medical Committee of the Department of Atomic Energy will be held at Bhabha Atomic Research Centre, Trombay, Bombay-58, about mid-December 1969. The Scientific programme will include sessions on: Ultrastructure of Cells and Electron Microscopy of DNA, Nucleic Acid Structure and Function, Transcription and Translation of Nucleic Acids, Regulatory Mechanisms, Function of Cellular Membranes, Nature and Repair of Radiation Damage. The last date for sending abstracts for contributed papers is September 30, 1969. The abstracts may be sent to Dr. M. K. Notani, Biology Division, Bhabha Atomic Research Centre, Trombay, Bombay-85.

#### Third Convention of the Indian College of Allergy and Applied Immunology

The Third Convention of the Indian College of Allergy and Applied Immunology will be held in Maulana Azad Medical College, New Delhi, on 20th and 21st December 1969 under the Chairmanship of Prof. R. Viswanathan. Those interested in presenting papers, etc., are requested to write to Dr. (Mrs.) Satish Arora, Department of Pharmacology, Maulana Azad Medical College, New Delhi, by 30th September 1969. During the Convention a symposium on "Allergic Skin Manifestations" will also be held.

#### Indian Society of Endocrinology and Metabolism

The next Annual Conference of the Indian Society of Endocrinology and Metabolism will be held in Bombay in January 1970 along with that of the Association of Physicians. Those who would like to join this Society are

requested to write to Dr. J. C. Patel, Secretary, Indian Society of Endocrinology and Metabolism, Back Bay View, New Queen's Road, Bombay-4.

#### Award of Research Degrees

Osmania University has awarded the Ph.D. degree in Chemistry to Shri Mohd. Ehsan and Shri T. N. Parthasarathy; Ph.D. degree in Technology to Shri Y. V. Subba Rao.

The Sambalpur University has awarded the Ph.D. degree in Chemistry to Shri Sarweshwar Guru.

Sri Venkateswara University has awarded the Ph.D. degree in Physics to Shri T. V. Ramakrishna Rao and Shri M. J. Kesava Murthy; Ph.D. degree in Botany to Shri N. Sreeramulu.

Utkal University has awarded the Ph.D. degree in Mathematics to Shri Jyotirmoy Sinha Roy.

Andhra University has awarded the Ph.D. degree in Geology to Shri A. S. Naidu; Ph.D. degree in Chemistry to Shri K. Venugopala Rao; Ph.D. degree in Nuclear Physics to Shri T. Nagarajan and Shri V. V. Rama Murthy.

The M.S. University of Baroda has awarded the Ph.D. degree in Geology to Shri Vinayak Narayan Kulkarni; Ph.D. degree in Microbiology to Shri Autar Krishan Mattoo, Shri Bipinchandra Manubhai Desai and Shri Karri Lakshmi Narayana; Ph.D. degree in Zoology to Kumari V. N. Shyamalakuttyamma.

#### Books Received

*The Mutants of Maize.* By M. G. Neuffer, Loring Jones and Marcus S. Zuber. (Crop Science Society of America, 677, South Segoe Road, Madison, Wisconsin, 53711, U.S.A.), 1968. Pp. vi + 74. Price not given.

*X-Rays in Theory and Experiment* (2nd Edn.). By A. H. Compton and S. K. Allison. (Affiliated East West Press P. Ltd., C 57, Defence Colony, New Delhi-3), 1969. Pp. xiv + 828. Price Rs. 34.00.

*Refrigeration on Fishing Vessels.* By J. H. Merritt. [Fishing News (Books) Ltd., 110, Fleet St., London E.C. 4], 1969. Pp. 148. Price £ 2/12/6.

*Supplement to Glossary of Indian Medicinal Plants.* By R. N. Chopra, I. C. Chopra and B. S. Varma. (CSIR Publication and Information Directorate, Hillside Road, New Delhi-12), 1969. Pp. xii + 119. Price Rs. 14.00 or Sh. 28, or \$ 4.50.