

CONTENTS

No. 1. February

	Page
Analysis of Chromosomes in Two Genera of Microhylidae (Amphibia: Anura) by A. R. KASTURI BAI	1
Morphology of <i>Pallavicinia</i> with reference to its Species Problem and the Individuality of <i>Pallaviciniaceae</i> by P. KACHROO	6
The Heart and its Conducting System in the common Indian Fowl by RAVI PRAKASH	22
Morphology and Histology of the Air-bladder of <i>Hilsa ilisha</i> (Hamilton) and <i>Gadusia chapra</i> (Hamilton) and their connection with the Internal Ear by P. N. SRIVASTAVA	28
On the Morphogenesis of the Yolk-sac Gland in Chiroptera by SINDHU MOGHE	34
Some Observations on the Foetal Membranes of the Indian Palmcivet, <i>Paradoxurus hermaphroditus hermaphroditus</i> (Schrater) by M. A. MOGHE	41
On the Development and Placentation of a Meghachiropteran Bat— <i>Cynopterus sphinx gangeticus</i> (Anderson) by M. A. MOGHE	48

No. 2. April

An Investigation on the Effect of certain Chemicals on the Nucleus, and their Possibilities in Chromosome Analysis in Plants by A. K. SHARMA and A. K. BAL	57
A Morphological and Cytological Study of the Gametogenesis and Oospore Formation in <i>Albugo</i> Species on <i>Ipomoea hederacea</i> by K. M. SAFEEULLA and M. J. THIRUMALACHAR	69
Microflora and Age of Punjab Saline Series from Dhariala Well No. 1, Salt Range, West Pakistan by A. BOSE	77
On a New Species of <i>Platycephalus</i> by L. F. DE BEAUFORT	83
Studies on the Development of the Embryo of <i>Oryza sativa</i> L. and the Homologies of its Parts by B. SAHA	86
Studies on the Physiology of Rice. XI. Vernalization and Devernalization of Winter and Summer Varieties by S. M. SIRCAR and MISS ARATI ROY	102

No. 3. June

Studies on Cytochemistry of Hormone Action. Part XVI. Further Evidence of the Enhancement of Androgenic Action of Testosterone Propionate by Progesterone by A. B. KAR and N. N. DE	113
The Incidence and Heredity of Haemophilia in India by S. S. SARKAR	117
Studies on the Pollution of the Bhadra River Fisheries at Bhadravathi (Mysore State) with Industrial Effluents by A. DAVID	132

No. 4. August

Studies on the Neurosecretory System of <i>Iphita limbata</i> Stål (Pyrrhocoridae: Hemiptera). Part IV. Observations on the Structure and Functions of the Corpora Cardiaca of the Adult Insect by K. K. NAYAR ..	171
Classification of the Vegetation of India, Pakistan and Burma according to Effective Precipitation by F. R. BHARUCHA and G. Y. SHANBHAG ..	185
Studies on Cellulolytic Activity of <i>Fusaria</i> with reference to Bacterial and other Cellulose Substrates by C. S. VENKATA RAM	204
Studies on the Physiology of Rice. XII. Culture of excised Embryos in relation to Endosperm Auxin and other Growth Factors by S. M. SIRCAR and A. N. LAHIRI	212

No. 5. October

Studies in the Amino Acid Composition of <i>Fusarium</i> Mycelium by C. S. VENKATA RAM	227
Nodal Anatomy and the Vascular System of the Shoot of Rice Plant (<i>Oryza sativa</i> L.) by G. P. MAJUMDAR and B. SAHA	236
Chromosome Studies in some Indian Barley. I. by A. K. SHARMA ..	246
The Atrioventricular Bundle in the Heart of the Banded Krait, <i>Bungarus fasciatus</i> by RAVI PRAKASH	255
Studies on the Biology of the Indian Fresh-water Eel, <i>Anguilla bengalensis</i> Gray by V. R. PANTULU	259
Behaviour of the Rock Bees, <i>Apis dorsata</i> Fabr., during a Partial Solar Eclipse in India by M. L. ROONWAL	281

No. 6. December

Sunder Lal Hora (1896-1955). Obituary Notice by M. L. ROONWAL ..	287
Life-history of <i>Barbula indica</i> Bridel. by I. BANERJI and SUBIR SEN ..	304
On the Biology of <i>Auricularia auricula-Judae</i> (Linn.) Schroet, causing Rot in Elder (<i>Sambucus nigra</i> L.) by SACHINDRANATH BANERJEE	317
Development of the Skull in Catfishes. Part I. Development of the Chondrocranium in <i>Silonia</i> , <i>Pangasius</i> and <i>Ailia</i> (Schilbeidae) by H. R. SRINIVASACHAR	335
The Occurrence and Activities of certain Bacterial Groups in Off-shore Marine Environments of Gulf of Mannar, off Tuticorin by R. VENKATARAMAN and A. SREENIVASAN	357