

International **ABSTRACTS** of **Biological Sciences**

HONORARY EDITOR: DR C C N VASS

Published for the council of Biological and Medical Abstracts this journal covers the more important papers in experimental biology. Subjects are approached from a fundamental viewpoint with an emphasis placed on anatomy, odontology, microbiology, pharmacology, experimental pathology, immunology, experimental zoology, experimental botany, cytology, genetics and animal behaviour. The Journal's two largest sections deal with biochemistry and physiology and these are obtainable as separate publications at special subscription rates.

More than 500 journals are surveyed annually and over 35,000 abstracts are published in four volumes. A subject and author index is included with each quarterly issue.

Published monthly

Annual subscription rates

(Combined Edition)	£90.00	\$225.00	A\$194.00
Biochemistry section	£12.00	\$ 30.00	A\$ 26.00
Physiology section	£ 8.00	\$ 20.00	A\$ 17.50

Please write for a free inspection copy of this Journal and details concerning other related publications.



Pergamon Press

DEPT ED(2) HEADINGTON HILL HALL · OXFORD OX3 0BW · ENGLAND

GENETICAL RESEARCH

VOLUME 16, NUMBER 2, OCTOBER 1970

CONTENTS

FLORES DA CUNHA, MIGUEL. Mitotic mapping of <i>Schizosaccharomyces pombe</i>	page 127
KIMURA, MOTOO and OHTA, TOMOKO. Genetic loads at a polymorphic locus which is maintained by frequency-dependent selection	145
LEWIS, C. M. and FINCHAM, J. R. S. Genetics of nitrate reductase in <i>Ustilago maydis</i>	151
OHTA, TOMOKO and KIMURA, MOTOO. Development of associative over-dominance through linkage disequilibrium in finite populations	165
LOUTIT, J. S. Investigation of the mating system of <i>Pseudomonas aeruginosa</i> strain I. VI. Mercury resistance associated with the sex factor (FP)	179
BARANOWSKA, HANNA. Intragenic recombination pattern within the 164 locus of <i>Ascobolus immersus</i> in the presence of outside markers	185
ANDERSON, E. S. and THRELFALL, E. J. Change of host range in a resistance factor	207
PITTON, J. S. and ANDERSON, E. S. The inhibitory action of transfer factors on lysis of <i>Escherichia coli</i> K12 by phages $\mu 2$ and $\phi 2$	215
WOOLLEY, D. M. A test of the functional significance of the quantity of mitochondria in the spermatozoa of mice	225
PUHALLA, JOHN E. Genetic studies of the <i>b</i> incompatibility locus of <i>Ustilago maydis</i>	229
CHANDRA, H. SHARAT. On X inactivation in XO embryos of mammals	233
REEVE, E. C. R. Transfer characteristics of two resistance determinants in a wild strain of <i>Klebsiella aerogenes</i> (V9A)	235

CAMBRIDGE UNIVERSITY PRESS

Bentley House, 200 Euston Road, London N.W. 1

American Branch: 32 East 57th Street, New York, N.Y. 10022

SUBSCRIPTION £5 net (U.S.A. \$16.50) per volume

SINGLE PARTS 45s. net (U.S.A. \$7.00)