## Where could you get a Varitint-Waddler?

## How should you name a new H-2 mutant?

## Which mutant genes have neurological effects?

The answers to these and many more questions on mouse genetics can be obtained with the help of

### **Mouse News Letter**

This provides a continuing source of information on all aspects of mouse genetics and allied research. Each issue gives a complete list of known mouse mutants, and there are contributions from laboratories throughout the world on research progress.

Included in Mouse News Letter is Mouse Membrane Alloantigen News — essential reading for immunogeneticists.

A comprehensive bibliography of current literature on the mouse (biochemistry, cancer, genetics, etc.) is included in the subscription price.

Mouse News Letter may be obtained from either:

MRC Laboratory Animals Centre, Woodmansterne Road, Carshalton, Surrey, England (by those in Europe, Africa, Asia and Australia at a cost of £2 per annum), or

The Jackson Laboratory, Bar Harbor, Maine, 04609, USA (by those in North and South America and Japan, at a cost of \$5 per annum).

Mouse News Letter must now be self-supporting. Your active participation in the form of a subscription is therefore invited.

## MAMMALIAN HYBRIDS

### A CHECK-LIST WITH BIBLIOGRAPHY

by Annie P. Gray

This compilation, which has become a classic reference book, has been out of print for some time. The new edition, published in 1972, contains nearly twice as many entries and a bibliography of well over 1200 titles.

Cloth boards x + 262 pages Price £4.00 (\$10.40) SBN 85198 170 4

Order through any bookseller or from the publishers

Central Sales

Commonwealth Agricultural Bureaux

Farnham Royal, SLOUGH SL2 3BN, Bucks., England

# 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, biochemistry, microbiology, pharmacology, experimental pathology, immunology, physiology, experimental zoology, cytology, genetics and animal behaviour. More than 500 journals are surveyed annually and some 50,000 abstracts are published in four volumes each of 3 issues containing an author index. A subject index is included with each quarterly issue.

Published monthly

#### 1973 Annual Subscription Price

Complete edition, including all author and subject indexes:

(A)	Government and public libraries, and industrial organisations 10% reduction for two-year subscription (1973–74), coupled with	£115.00	(\$315)
	protection against any price increases during the period	£207.00	(\$567)
<b>(B)</b>	University and hospital libraries  10% reduction for two-year subscription, coupled with protection	£100.00	(\$275)
	against any price increases for the period	£180.00	(\$495)

Back volumes available:

Volumes 1-67; years 1954 to 1972 Prices on request

Please write for a free inspection copy of this Journal

## Robert Maxwell & Co. Ltd.

HEADINGTON HILL HALL · OXFORD OX3 OBJ · ENGLAND

# GENETICAL RESEARCH

VOLUME 22, NUMBER 1, AUGUST 1973

### CONTENTS

to selection for chaetae in <i>Drosophila melanogaster</i>	page	1
BULMER, M. G. The maintenance of the genetic variability of polygenic characters by heterozygous advantage		9
STANISICH, VILMA A. Isolation and properties of mutants of the FP2 sex factor of Pseudomonas aeruginosa		13
CONNOLLY, v. and SIMCHEN, G. Two-environment selection with inbreeding in Schizophyllum commune		25
HILLMAN, RALPH. Genetic and environmental control of a continuous trait  Abnormal abdomen, in Drosophila melanogaster		37
LÓPEZ-FANJUL, C. and HILL, W. G. Genetic differences between populations of <i>Drosophila melanogaster</i> for a quantitative trait. I. Laboratory populations		51
LÓPEZ-FANJUL, C. and HILL, W. G. Genetic differences between population of <i>Drosophila melanogaster</i> for a quantitative trait. II. Wild and laboratory populations		69
VALENTI, ROBERT J. and KALLMAN, KLAUS D. Effects of gene dosage and hormones on the expression in Dr in the platyfish, Xiphophorus maculatu (Poeciliidae)	1 8	79
PHILLIPS, RITA J. S., HAWKER, S. G. and MOSELEY, H. J. Bare-patches, a new sex-linked gene in the mouse, associated with a high production of XO females. I. A preliminary report of breeding experiments	•	91
STAMBERG, JUDITH and KOLTIN, Y. Genetic control of recombination in Schizophyllum commune: evidence for a new type of regulatory site		101
LAMB, B. C. and WICKRAMARATNE, M. R. T. Corresponding-site interference, synaptinemal complex structure, and $8 + :0m$ and $7 + :1m$ octads from wild-type × mutant crosses of Ascobolus immersus		113
JURAND, M. K. and KEMP, R. F. O. An incompatibility system determined by three factors in a species of <i>Psathyrella</i> (Basidiomycetes)		125

The genetic analyzin of the direct and correlated regronge

© Cambridge University Press, 1973

### CAMBRIDGE UNIVERSITY PRESS

Bentley House, 200 Euston Road, London NW 1 2DB American Branch: 32 East 57th Street, New York, N.Y.10022

Subscription £7.50 net (U.S.A. and Canada US \$25.00) per volume. Single Parts £3.00 net (U.S.A. and Canada US \$9.50)