Copying

This journal is registered with the Copyright Clearance Center, 21 Congress St., Salem, Mass. 01970. Organizations in the U.S.A. who are also registered with C.C.C. may therefore copy material (beyond the limits permitted by sections 107 and 108 of U.S. copyright law) subject to payment to C.C.C. of the per-copy fee of \$05.00. This consent does not extend to multiple copying for promotional or commercial purposes. Code 0016-6723/84/2828-0001 \$05.00.

ISI Tear Service, 3501 Market Street, Philadelphia, Pennsylvania 19104, U.S.A., is authorized to supply single copies of separate articles for private use only.

For all other use, permission should be sought from the Cambridge or New York offices of the Cambridge University Press.

GENETICAL RESEARCH (ISSN 0016-6723) is published once every two months.

Single parts £14.00 net (in U.S.A. and Canada US \$34.50), plus postage. Three parts form a volume. The subscription price of volumes 43 and 44, 1984 (which includes postage) is £34.00 net per volume (in U.S.A. and Canada US \$82.50).

Copies of the journal for subscribers in the U.S.A. and Canada are sent by air to New York to arrive with minimum delay. Second class postage at New York, N.Y., and at additional mailing offices.

Orders, which must be accompanied by payment, should be sent to a bookseller or to the publishers, Cambridge University Press, The Edinburgh Building, Shaftesbury Road, Cambridge CB2 2RU and, in the U.S.A. and Canada, 32 East 57th Street, New York, N.Y. 10022. Postmaster: send address changes in U.S.A. and Canada to Cambridge University Press, 32 East 57th Street, New York, N.Y. 10022.

Claims for missing issues can only be considered if made immediately after receipt of the subsequent issue.

GENETICAL RESEARCH

VOLUME 43, NUMBER 1, FEBRUARY 1984

CONTENTS

in the mitotic cell cycle of the yeast Saccharomyces cerevisiae	page 1
HINRICHSEN, ROBERT D. and KUNG, CHING. Genetic analysis of axonemal mutants in <i>Paramecium tetraurelia</i> defective in their response to calcium	11
SILVER, LEE M., LUKRALLE, DEBORAH, GARRELS, JAMES I. and WILLISON, KEITH R. Persistence of a lethal t haplotype in a laboratory stock of outbred mice	21
SANCHEZ, EDWIN R. and HAMMERBERG, CRAIG. A new t-complex embryonic lethal (tcl^0) has arisen in the $T^{\rm hp}27$ chromosome of the mouse and is allelic to t^0	27
ERICKSON, ROBERT P. Cattanach's translocation [Is(7:X)Ct] corrects male sterility due to homozygosity for chromosome 7 deletions	35
JACOBS-COHEN, R. J., SPIEGELMAN, M., COOKINGHAM, J. C. and BENNETT, D. Knobbly, a new dominant mutation in the mouse that affects embryonic ectoderm organization	43
PENNYCUIK, PAMELA R. and RAPHAEL, KATHRYN A. The tabby locus (Ta) in the mouse: its site of action in tail and body skin	51
LOVELL, D. P., TOTMAN, P. and JOHNSON, F. M. Variation in the shape of the mouse mandible. 1. Effect of age and sex on the results obtained from the discriminant functions used for genetic monitoring	65
SHARP, GILLIAN L., HILL, WILLIAM G. and ROBERTSON, ALAN. Effects of selection on growth, body composition and food intake in mice. I. Responses in selected traits	75
SHORT PAPER	
PALUMBO, GIOACCHINO, ENDOW, SHARYN A. and HAWLEY, R. SCOTT Reduction of wild-type X chromosomes with the $Y^{\rm bb-}$ chromosome of $Drosophila\ melanogaster$	93
DOOK DEVIEWS	99

© Cambridge University Press 1984

CAMBRIDGE UNIVERSITY PRESS

The Pitt Building, Trumpington Street, Cambridge CB2 1RP 32 East 57th Street, New York, N.Y. 10022

Printed in Great Britain at the University Press, Cambridge