Articles

78 Use of biotin-labeled probes to map specific DNA sequences on wheat chromosomes
A. L. Rayburn and B. S. Gill

82 Homozygosity and interstrain variation in the self-fertilizing hermaphroditic fish, *Rivulus marmoratus*
R. C. Vrijenhoek

85 Genetic aspects of aflatoxin B1 resistance in *Drosophila melanogaster*
Joseph P. Chinnici and Pamela D. Melone

89 High pressure neurologic syndrome type 2 seizure in mice
R. D. McCall and D. Frierson, Jr.

95 Chromosomes of the Chacoan peccary, *Catagonus wagneri* (Rutcon)
Kurt Benirschke, Arlene T. Kumamoto, and Dennis A. Meritt

99 Chromosome pairing in tall fescue haploids derived by anther-pandicle culture
G. C. Eizenga and M. J. Kasperbauer

103 Isozyme gene markers in *Juglans* species: Inheritance of GPI and AAT in *J. regia* and *J. hindsii*
S. Arulsekar, D. E. Parfitt, and G. H. McGranahan

107 Genes that affect the shape of the murine mandible: congenic strain analysis
Donald W. Bailey

115 Chromosome banding pattern homologies and NORs for the Bactrian camel, guanaco, and llama
Thomas D. Bunch, Warren C. Foote, and Alma Maciulis

119 Linkage of the incompatibility locus and red pigmentation genes in hazelnut
Maxine M. Thompson

123 Revision of the genetics of the hairiness-smoothness system of *Gossypium*
Joshua A. Lee

127 Coat variants in cats: gametic disequilibrium between unlinked loci
Philip W. Hedrick

Notes

132 Polytene chromosomes of the screw-worm fly, *Cochliomyia hominivorax*
V. Dev, L. E. LaChance, and C. J. Whitten

134 Dominant gene for rust resistance in pearl millet
W. W. Hanna, H. D. Wells, and G. W. Burton

135 An in vitro procedure to assign pigment mutations in *Nicotiana* to either the chloroplast or the nucleus
Dvora Aviv and Esra Galun

137 Fertile male tortoiseshell cats
Roy Robinson

138 Evidence for inheritance of the red dun dilution in the horse
Linden Craig and L. Dale Van Vleck

140 Four new mutations and a linkage map of species A of *Anopheles culicifacies*
R. K. Sakai, K. Akhtar, and C. J. Dubash

141 A note on the human sex ratio and factors influencing family size in Japan
Magued I. Osman

Computer Programs

142 FORTRAN program for computing genetic statistics from allelic frequency data
Richard Whitkus

142 SAS program for calculating stability-variance parameters
Manjit S. Kang

143 SNOBOL4 programs for processing genetic records, tracing pedigrees, and sorting genotypes
E. D. Styles, J. Hemphill, and S. Hayes

Book Review

144 Plant Evolution (Rev. of: Plant Variation and Evolution, 2nd ed., D. Briggs and S. H. Walters)
S. K. Jain

THE COVER: Parental mutant *Nicotiana* tip-cultures used as protoplast source and a green cybrid plantlet. Upper left—Su/Su; upper right—*N. tabacum*, VBW; bottom—green cybrid, D-l. (See An in vitro procedure to assign pigment mutations in *Nicotiana* to either the chloroplast or the nucleus, page 135.)