



Studies of Heredity in Rabbits, Rats, and Mice (Classic Reprint)

By W E Castle

Forgotten Books, United States, 2016. Paperback. Book Condition: New. 229 x 152 mm. Language: English . Brand New Book ***** Print on Demand *****.Excerpt from Studies of Heredity in Rabbits, Rats, and Mice In publications Nos. 195 and 241 of the Carnegie Institution of Washington reports have been made on the results of a series of experiments designed to show to what extent a mendelizing character, the hooded pattern of piebald rats, may be altered by selection or by crossing. At the last report (Castle and Wright, 1916) the plus-selection series had been carried without out-crossing through 16 successive generations, in the course of which the mean grade of the offspring had advanced from +2.05 to +4.13, in terms of the arbitrary grading scale depicted in both previous publications. Since then the plus-selection series has been carried through four additional generations of selection (17 to 20) and the mean of the selected race has been raised to 4.61. In some respects this part of the series is less satisfactory than that previously reported on, because smaller numbers of animals were available from which to select and the selection has therefore been less rigorous. The race has unmistakably fallen off in...



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