

BIOLOGY

II. AN APTEROUS MUTATION IN BRUCHUS J. K. BREITENBECHER

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There appeared in my cultures of *Bruchus*, the "four-spotted cowpea-weevil," a mutation entirely devoid of wings. It is a simple recessive. Cultures of this apterous insect died out, due possibly to some genital defect. The character is not sex linked. It is sex limited as it is seen only in females. The high degree of sterility in the apterous mutation causes a greater percentage of normals in the F2 than would be expected. The ratio is 4:1 instead of a 3:1, due to the fact that there were more normals mated. The mutation made its appearance at only one time.