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The Myriopoda of Iowa

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ington breeds (non-feathered) has been found to be dependent upon two dominant duplicate factors (S_1 and S_2). This relationship has been verified from data secured from F_2 and backcross generations. Of five F_1 males used in these studies three proved to be heterozygous for both factors S_1 and S_2 and two for but one of these factors, while six F_1 females proved to be heterozygous for both factors and ten for but one factor. These data indicate, therefore, that the Black Langshan is often heterozygous for at least one pair of these factors.

Neither gene S_1 or S_2 is linked with the gene producing pigmented plumage (C). A similar study of the relationship between the leg-feathering genes and the factors for white versus yellow skin-color (W-w) indicate that a loose linkage may possibly exist between one of these genes (S_1 or S_2) and the factor W for skin color contributed by the Black Langshan. No tendency was noted for the F_2 and backcross males to have a higher degree of feathering than the females.

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THE MYRIOPODA OF IOWA

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A taxonomic study of the millipedes and centipedes known to occur in the state. Keys and illustrations are given as an aid to identification. (This paper is published privately by the author at Mt. Pleasant, Iowa).

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