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Ecological and Floristic Aspects of Clay and Palo Alto Counties

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ECOLOGICAL AND FLORISTIC ASPECTS OF CLAY
AND PALO ALTO COUNTIES

ADA HAYDEN

A survey of the native flora of Clay and Palo Alto Counties with reference to plants useful to waterfowl includes the plants useful for food, for nesting materials and for cover. The plants are listed systematically as well as referred to associations. The range of distribution for flora of the state has been extended and some plants apparently new to the state have been recorded.

IOWA STATE COLLEGE,
DEPARTMENT OF BOTANY,
AMES, IOWA.

A CHIMERIC TULIP

KARL A. STILES

An unusual yellow Cottage tulip which was collected by Norman Stookey in the spring of 1934 was given to the author. All the petals of this tulip were yellow except one which was one-half yellow and one-half red.

Inasmuch as the bulb from which this tulip developed has not produced another such chimeric flower it appears probable that it is due to a somatic mutation or a somatic non-disjunction of the chromosomes.

BIOLOGY DEPARTMENT,
COE COLLEGE,
CEDAR RAPIDS, IOWA.

A "TWIN-EMBRYO" ABNORMALITY IN MAIZE

JOHN E. SASS AND GEORGE F. SPRAGUE

A mutant strain of corn obtained by ultra violet treatment has twin growing points in the embryo. The flattened emerging coleoptile is a continuous sheath, containing two distinct stem apices,