A Provisionary List of the Cruciferae of Henry, Jefferson and Van Buren Counties, Iowa

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A PROVISIONARY LIST OF THE CRUCIFERAE OF
HENRY, JEFFERSON AND VAN BUREN
COUNTRIES, IOWA

CHARLES GILLY

Since the afternoon of April 28, 1933, which I spent in collecting
plants along the banks of Copperas Creek in Van Buren County,
Malcolm McDonald and myself — working under the direction of
Professor Charles Carter — have been doing the foundation work
preparatory to the publication of a Flora of South-eastern Iowa.
In the course of this work we have built up a herbarium, of more
than three thousand specimens, which is now preserved in the
Biology Department of Parsons College. In addition to this field
collecting and identification, we have consulted already published
lists and examined specimens from other herbaria. We have con­
ferred with persons who are well-acquainted with the plants of
portions of this area, and the information contained in their un­
published lists has been utilized both in our work and in this paper.
Thanks are here expressed to Mr. J. Wilbur Dole, of Fairfield,
whose list of Jefferson County plants served as a basis for our
early collecting and identifications; and to Professor H. E. Jaques,
of the Iowa Wesleyan College Biology Department, and those
students of his who compiled the list of specimens in their herbarium.
A list of plants of Van Buren County, sent to us by the late Mr.
E. W. Graves, of Bentonsport, shortly before his death has been
of great help to us.

The purpose of this paper is to present a list of the members of
the Family Cruciferae collected from, and known to be growing in
the three south-eastern Iowa counties in which most of our work
has been done — Henry, Jefferson and Van Buren. Forty species
and two well-marked varieties comprise this list, which we realize
is still incomplete. In addition, several other species have been re­
ported as occurring in, or collected from these three counties, but
we have not yet satisfactorily determined their status.

In order to conserve space and still present as much information
as is possible, a number of abbreviations have been used within
parentheses following the names of the counties in which each
species occurs. These abbreviations are: The letter P denotes a
specimen or specimens in the Parsons College Herbarium; simi­
larly, the letter W denotes a specimen or specimens in the Iowa
Wesleyan Herbarium. The letter O signifies that we have seen and identified but not collected the species from the county. Other letters used denote that the species is listed in the correspondingly lettered “unpublished list.” Numerals denote a reference to the species in the correspondingly numbered publication in the bibliography.

The nomenclature of the following list is that of the seventh edition of “Gray's Manual,” which has been our principal aid in identification. Other manuals used are Britton and Brown’s “Illustrated Flora”; L. H. Bailey’s “Manual of Cultivated Plants”; J. H. Schaffner’s “Flora of Ohio”; and H. S. Conard’s “Plants of Central Iowa.”

**CRUCIFERAE**

*Arabis canadensis* L., Sickle-Pod — Henry (O, W); Van Buren (P).
*Arabis glabra* (L.) Bernh., Tower Mustard — Henry (W).
*Arabis laevigata* (Muhl.) Poir., Smooth Rock-Cress — Henry (W); Jefferson (P); Van Buren (P).
*Barbarea vulgaris* R. Br., Yellow Rocket — Henry (O, W); Jefferson (A, P); Van Buren (P).
*Brassica arvensis* (L.) Ktze., Charlack — Henry (W, 5); Jefferson (A, C, P, 5); Van Buren (O, 5).
*Brassica juncea* (L.) Cosson, Indian Mustard — Henry (W); Jefferson (P).
*Brassica Napus* L., Rape — Henry (W); Jefferson (P).
*Brassica nigra* (L.) Koch, Black Mustard — Henry (O, W, 5); Jefferson (A, C, P, 5); Van Buren (O, 5).
*Camelina sativa* (L.) Crantz, False Flax — Henry (W).
*Capsella Bursa-pastoris* (L.) Medic., Shepherd's Purse — Henry (O, W, 5); Jefferson (A, C, P, 5); Van Buren (O, 3, 5).
*Cardamine bulbosa* (Schreb.) BSP., Spring Cress — Henry (O, W); Jefferson (A, P); Van Buren (B, O).
*Cardamine douglasii* (Torr.) Britton, Purple Cress — Henry (W); Jefferson (P).
*Cardamine parviflora* L., Small-flowered Bitter-Cress — Henry (W).
*Cheiranthus Cheiri* L., Wallflower — Jefferson (P).
*Conringia orientalis* (L.) Dumort, Hare's-ear Mustard — Henry (W); Jefferson (A, P).
*Dentaria laciniata* Muhl., Cut-leaved Toothwort — Henry (O, W); Jefferson (A, P); Van Buren (B, P).
*Erysimum asperum* DC., Western Wallflower — Van Buren (P, 1).
*Erysimum cheiranthoides* L., Worm-seed Mustard — Henry (W).
*Erysimum parviflorum* Nutt., Small Erysimum — Jefferson (P); Van Buren (P).
*Iodanthus pinnatifidus* (Michx.) Steud., Purple Rocket — Henry (W); Jefferson (P).
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Lepidium apetalum Willd., Apetalous Peppergrass—Henry (O, 5); Jefferson (A, C, P, 5); Van Buren (O, 5).

Lepidium campestre (L.) R. Br., Cow Cress—Henry (W); Jefferson (P).

Lepidium virginicum L., Wild Peppergrass—Henry (O, W, 5); Jefferson (A, C, P, 5); Van Buren (B, O, 5).

Lesquerella gracilis (Hook.) Wats., Slender Bladderpod—Jefferson (P).

Radicula Armoracia (L.) Robinson, Horse Radish—Henry (W); Jefferson (C, P); Van Buren (O, 5).

Radicula obtusa (Nutt.) Greene, Blunt-leaved Yellow-Cress—Jefferson (P).

Radicula palustris (L.) Moench., Marsh Cress—Henry (O, W, 4); Jefferson (A, C, P); Van Buren (O, 3, 5).

Radicula palustris (L.), Moench., var. hispida (Desv.) Robinson, Hispid Marsh Cress—Van Buren (4).

Radicula sessiliflora (Nutt.) Greene, Sessile-flowered Cress—Jefferson (C, P); Van Buren (3).

Radicula sinuata (Nutt.) Greene, Sinuate-leaved Cress—Henry (W).

Raphanus Raphanistrum L., Jointed Charlock—Henry (W); Jefferson (A).


Sisymbrium altissimum L., Tumble Mustard—Henry (O, W); Jefferson (A, C, P).

Sisymbrium canescens Nutt., Tansy Mustard—Henry (W); Jefferson (P); Van Buren (P).

Sisymbrium officinale (L.) Scop., Hedge Mustard—Henry (O, W, 5); Jefferson (A, C, P, 5); Van Buren (O, 5).

Sisymbrium officinale (L.) Scop., var. leiocarpum DC., Smooth Hedge Mustard—Henry (2); Jefferson (P, 2); Van Buren (2).

Sisymbrium Thalassium (L.) J. Gay, Mouse-ear Cress—Jefferson (O); Van Buren (P).

Thlaspi arvense L., Field Penny Cress—Henry (W); Jefferson (A, P); Van Buren (O).

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B. GRAVES, E. W., A list of Van Buren County Plants, compiled June, 1935.


(PARSONS COLLEGE, FAIRFIELD, IOWA),  

KEY WEST, FLORIDA.