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Iowa Plant Notes, II

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IOWA PLANT NOTES, II

R. I. CRATTY

Since issuing No. I of my paper on the above subject¹ quite a number of interesting plants, many of them new to the state, have been added to the State College Herbarium, which it is desired to notice at this time. As might be expected, many of them are introduced plants, some of which may not remain with us long, while others will undoubtedly become permanent additions to our flora.

1. *Betula pumila* L. Found growing in a bog near New Hampton by Rev. W. D. Spiker. The only locality known in the state.

2. *Rubus recurvans*, Blanchard, 2 miles northwest of Ames. R. I. Cratty. Determined by Dr. L. H. Bailey.

3. *Linaria minor* (L.) Desf. Found in only one locality at New Hampton, by Rev. W. D. Spiker.

4. *Brasenia Schreberi* Gmelin. Water Shield. There are about two acres of this interesting aquatic in Little Wall Lake, south of Jewell. Collected by Dr. Ada Hayden.

5. *Galinsoga parviflora* var. *hispida*. D.C. This little South American plant is widely distributed in the United States. All our Iowa specimens probably belong to this variety which has the attenuate pappus scales bristle-tipped. Strawberry Point. Frank W. Jones.

6. *Picris echioides* L. Sent in from Osceola by E. E. Agans. *P. hieracioides* L. was collected in southern Minnesota a mile north of the Iowa state line by the writer in August 1922.

7. *Coronilla varia* L. Found growing spontaneously at Merrill where it was reported to be thoroughly established, by Ed. J. Hahn.

8. *Polygonum aviculare* var. *angustissimum* Meisn. This interesting form, growing as upright as a little juniper, was collected along the walk east of "Lake LaVerne" on the State College Campus by the writer, where it was growing plentifully. Verified by Dr. B. L. Robinson.

9. *Sabatia campestris* Nutt. Collected near Preston by L. H. Kahler who reported it quite plentiful in one locality. The former range given is from Missouri to Texas.

10. *Centaurea Jacea* L. Introduced near Cherokee, G. A. Ellis. The only other station we have it from in the state is Pomeroy.

¹ Iowa Acad. Science, Vol. 31, pp. 189-192, 1924.

11. *Lycopodium obscurum* var. *dendroideum* (Michx.) D. C. Eaton. This was collected in Pine Hollow, Dubuque Co., by E. E. Reed.

12. *Lespedeza capitata* var. *longifolia* (DC) T. & G. This narrow leaved form was found at Keosauqua and Clinton by Dr. L. H. Pammel and by the writer in Emmet county.

13. *Smilax lasioneuron* Hook. Flora Boreali Americana II.173. Plate CXXXVII. We have this interesting addition from Kinross, Keokuk Co. collected by James Devine, and from Washington, Iowa by W. C. Mallison. It differs from the similar *S. herbacea* with which it has been confounded, by having 100 to 200 or more fertile flowers. True *S. herbacea* has from 30 to 40.

14. *Carduus nutans* L. This large thistle like plant is spreading rapidly in the state. We have it from Carroll, Farm Bureau; Bedford, F. C. Kingman; Mount Ayr, Farm Bureau; Commanche, E. L. Dunn; Sac City, W. A. Posey; Lee Co., J. H. Reed; Clarinda, Don T. Griswold; and Atlantic, L. H. Bennett.

15. *Carduus crispus* L. Sent in from Fayette by the Farm Bureau. This species resembles *C. acanthoides* but has wider wings to the branches which are wider and somewhat whitish tomentose. *C. acanthoides* has been sent in from Pomeroy, Anita, Keosauqua, Joice, Carroll and Dysart.

16. *Physalis Alkekengi* L. "Growing among other weeds in a grove." Oakland, 1924, Victor Felter. This is the perennial Chinese Latern, and spreads rapidly by running roots.

17. *Foeniculum vulgare* Hill. Fennel. Found growing as an escape at Ames by Dr. L. H. Pammel, and at Osage by Mrs. F. May Tuttle.

18. *Psoralea onobrychis* Nutt. Collected at Keokuk in August 1924, by W. S. Bell.

19. *Actaea rubra* forma *neglecta* (Gillman) Robinson. This white fruited form of the species has been collected at Estherville by B. O. Wolden, and at Osage by Mrs. F. May Tuttle. This variety has the berries on slender, green pedicels, while *A. alba* with which it is apt to be confused has the pedicels much thickened in fruit.

20. *Aster nebraskensis* Britton. Collected north of Estherville by B. O. Wolden in September 1924, and again in 1925.

21. *Amelanchier humilis* Wiegand. Rhodora 14, 141 (1912). Specimens of a small flowered form sent to Harvard and by them sent to Prof. Wiegand were so named. Larger flowered forms collected last year and heretofore referred to *A. spicata* have also

been referred here by Prof. Wiegand. Collected at Estherville by B. O. Wolden.

22. *Triglochin palustris* L. Found plentifully in a bog n. w. of Estherville, 1925, by B. O. Wolden. The more common *T. maritimum* occurs in bogs in the northern tier of counties.

23. *Rhynchospora capillacea* Torr. Occurs in a bog n.w. of Estherville where it was collected by B. O. Wolden. Heretofore only reported from the eastern counties.

24. *Lobelia Kalmii* L. This pretty little lobelia was collected in the same locality by Mr. Wolden.

25. *Berula erecta* (Huds.) Coville, was also found in the same locality by Mr. Wolden.

26. *Distichlis spicata* (L.) Greene. This widely distributed grass was collected in June 1922 at Battle Creek, Iowa, by J. S. Crawford. Perhaps introduced.

27. *Argemone intermedia* Sweet. This plant, probably introduced, was collected at Sac City in September 1923 by W. C. Posey.

28. *Pueraria Thunbergiana* (S. & Z.) Benth. Kudzu vine, a native of China and Japan. A large patch, making a very vigorous growth, occurs on the west bank of a cut on the Interurban R. R. west of the Country Club, Ames. I am unable to say how it got there. It has been widely advertized as a forage plant, but Prof. Hughes of the Farm Crops department says it is not suited to our climate for that purpose, but is cultivated very successfully south of Tennessee. We have an introduced specimen from Switzerland and it also occurs on Long Island, N. Y.

29. *Spiranthes Romanzoffiana* Cham. Collected in a bog near Estherville by B. O. Wolden. Determined by Prof. Wetherby of the Gray Herbarium.

30. *Scirpus heterochaetus* Chase. Emmet Co., B. O. Wolden. This species, like *S. occidentalis*, which also occurs in that county, resemble *S. validus* in general appearance. Determined by Mrs. Chase.

31. *Geranium Bicknellii* Britton. Occurs in a ravine near the cemetery, Estherville. B. O. Wolden, July 1922.

32. *Asplenium platyneuron* (L.) Oakes. One small colony of this little fern occurs near Copras Creek, Bentonsport, Van Buren Co., collected in 1925 by E. W. Graves.

33. *Galium verum* L. Atlantic, Iowa, July 7, 1925. A beautiful profusely yellow-flowered species. Mr. L. G. Sorden who sent in our specimens says that he is informed that there is a great deal of it in the southern part of the county.

34. *Salvia sylvestris* L. was erroneously reported under the name *S. pratensis* in Rep. Ia. Acad. Sci Vol. 31, p. 189.

35. *Scirpus pedicellatus* Fernald. New Hampton, Ia. August 1925. Rev. W. D. Spiker. Determined by Prof. C. A. Wetherby.

36. *Scirpus cyperinus* var. *pelius* Fernald. New Hampton, August 1925. W. D. Spiker; also determined by Prof. Wetherby. No. 35 and 36 were included in *S. cyperinus* of the older Manuals.

37. *Botrychium ternatum* Swartz. A single specimen found in Robinson's woods, Fayette Co., July 1893 by Dr. Bruce Fink.

38. *Salix candida* Fluegge. This was found by B. O. Wolden in a marsh near Estherville. It also occurs in several localities in the eastern part of the state.

39. *Juncus Dudleyi* Wiegand. This plainly marked species was collected in Emmet county in 1925 by B. O. Wolden.

40. *Vincetoxicum carolinense* (Jacq.) Britton. Dr. Pammel found this growing in cultivated ground, appearing as if introduced, at Sidney, Iowa, July 12, 1925. It occurs in Missouri and southward.

41. *Anthyllis Vulneraria* L. Dr. Ada Hayden found a large patch of this beautiful legume growing near Clarion, July, 1925.

42. *Acnida tamariscina* (Nutt.) Wood. A fine fruiting specimen of this was collected by Dr. Pammel and Mrs. Margo Frankel at Commerce, Iowa, in 1925. The circumscissile fruit distinguishes it from the similar *A. tuberculata*.

43. *Hieracium florentinum* All. King's Devil. Collected at Bristol, Iowa, by Leonard Crowgey. This was called *H. Praealtum* in the 6th edition of Gray's Manual and in the 1st edition of the Illustrated Flora.

44. *Silene Cserei* Baumg. Waste ground along railroad. Estherville. This has been found at only one other place in America, having been sent in to the Gray Herbarium from Ohio in 1926. It is referred to *S. Fabaria* Sibth. & Sm. in the Index Kewensis.

45. *Urtica urens* L. An introduced European weed found at Waukon in September 1925 by T. E. Stanton.

46. *Tribulus terrestris* L. The Caltrop. This disagreeable weed was communicated by Miss Cleta Swigart, Secretary of the Ringold Co. Farm Bureau, Mount Ayr, Aug. 20, 1925.

47. *Linum virginicum* L. has been collected at Burlington by Dr. Pammel, Aug. 7, 1925, and in woods near Moran, Dallas Co., by Iza Mitchell, July 28, 1924.

IOWA STATE COLLEGE,
AMES, IOWA.