

Fraser's in London, in the summer of 1813, from roots which I had collected at Natchez.

REFERENCES

- BARNHART, JOHN HENDLEY. The dates of Rafinesque's *New Flora* and *Flora Telluriana*. *Torreya* 7: 177-182. 1907.
- GRAY, ASA. Characters of new *Compositae*, with revisions of certain genera, and critical notes. *Proc. Amer. Acad.* 19: 1-53. 1883. (*Cacalia*, pp. 51-54.)
- . *Cacalia*. *Syn. Fl. N.A.* 1pt. 2: 394-396. 1884.
- GREENE, EDWARD L. The genus *Mesadenia*. *Pittonia* 3: 180-183. 1897.
- HARPER, ROLAND M. *Mesadenia lanceolata* and its allies. *Torreya* 5: 182-185. 1905.
- RYDBERG, P. A. Some Senecioide genera—I. *Bull. Torr. Bot. Club* 51: 369-378. 1924. (*Cacalia*, pp. 369-370.)
- SMALL, JOHN KUNKEL. Flora of the southeastern United States. 1903. (*Cacalia*, pp. 1300-1302 and 1341, as *Mesadenia* and *Synosma*.)
- . Manual of the southeastern flora. 1933. (*Cacalia*, pp. 1475-1477, as *Mesadenia* and *Synosma*.)

Notes

SOME BOOKS ABOUT BOTANICAL EXPLORERS OF THE WESTERN PART OF THE UNITED STATES—In the *New York Herald-Tribune Book Review* of February 5, 1950, an Illinois correspondent made inquiry for books on botanical explorers of the western United States. The printed reply, which stemmed from the New York Botanical Garden, listed but 3 books: Geiser's *Naturalists of the Frontier*, Andrew Denny Rodgers' *John Torrey*, and Harshberger's *Botanists of Philadelphia*. That the list is incomplete is apparent to any student acquainted with the books published in this field. In order that a more comprehensive and adequate list may find its way into type for the information of students interested in western botany, the following incomplete one is offered. I have not included periodical and bulletin literature, but only items as have appeared in book form. Brief comment follows most of the books listed.

FITZPATRICK, T. J. Rafinesque, a sketch of his life, with bibliography. Des Moines, Historical Department of Iowa, 1911. 241 pp.

GEISER, SAMUEL WOOD. *Naturalists of the frontier*. Dallas, Texas, Southern Methodist University Press, 1937. 341 pp. Second edition, 1948, 296 pp. [Texas, from 1820 to 1880. Appendix C of Ed. 2 lists 82 of Geiser's early papers on Texan scientists.]

———. Scientific study and exploration in early Texas. Southern Methodist University, 1939. [Brief thumbnail sketches of some 343 naturalists.]

———. Horticulture and horticulturists in early Texas. Southern Methodist University Press, 1945. 100 pp. [Includes brief sketches, with bibliographies, of 165 horticulturists.]

GOODE, GEORGE BROWN. A memorial of George Brown Goode, together with a selection of his papers on museums and the history of science in America. (*Report of the U.S. National Museum for 1897*, Part II) Washington, D.C., Government Printing Office, 1901. [Goode's notable essays on the history of science in America extend from p. 355 to p. 466. Illustrated with 110 portraits.]

GRAY, ASA. Letters of Asa Gray, edited by Jane Loring Gray. Boston, Houghton-Mifflin, 2 vols., 1893. x+838 pp. [Indispensable.]

———. Scientific papers; selected by C. S. Sargent. Boston, Houghton-Mifflin, 2 vols., 1889. [Contains much historical and biographical material.]

HARSHBERGER, JOHN WILLIAM. The botanists of Philadelphia and their work. Philadelphia, 1899, xii+457 pp. [Contains numerous biographical sketches, a few of them of Western men, with portraits.]

HERRICK, FRANCIS HOBART. Audubon the naturalist, a history of his life and time. New York, Appleton, 1917. [Bibliography in vol. II, pp. 401-56. Second edition, 2 vols.-in-1, Appleton-Century, 1938.]

JAFFE, BERNARD. Men of science in America. New York, Simon & Schuster, 1944. xi+699 pp. [Rafinesque is dealt with in Chap. v.]

JORDAN, DAVID STARR. *Leading American men of science*. New York, Holt, 1910. vii+471 pp. [Contains a biography of Asa Gray, by J. M. Coulter.]

KELLY, HOWARD ATWOOD. *Some American medical botanists commemorated in our botanical nomenclature*. Troy, N.Y., Southworth Co., 1914. 215 pp. Second edition published by Appleton, 1929. [Biographical sketches.]

MEISEL, MAX. *A bibliography of American natural history. The pioneer century, 1769-1865*. Brooklyn, Premier Publishing Co., 3 vols., 1924-29. [Gives valuable lists of printed biographical sketches of the naturalists.]

MERRILL, GEORGE PERKINS. *The first one hundred years of American geology*. New Haven, Yale University Press, 1924. xxi+773 pp.

PEATIE, DONALD CULROSS. *Green laurels*. New York, Simon & Schuster, 1936. xxiii+368 pp. [Say, Rafinesque, and the New Harmony group of naturalists are discussed in Chap. xi.]

RAFINESQUE, CONSTANTINE SAMUEL. *A life of travels and researches in North America and south Europe . . .*, Philadelphia, 1836. [This has recently (1944) been reprinted in *Chronica Botanica*, vol. 6, no. 2.]

RODGERS, ANDREW DENNY, III. "Noble Fellow:" William Starling Sullivan. New York, Putnam's, 1940. xxii+361 pp. [Bibliography, pp. 321-42.]

—John Torrey, a story of North American botany. Princeton University Press, 1942. vi+352 pp.

—American botany, 1875-1822, decades of transition. Princeton University Press, 1944. v+340 pp.

—John Merle Coulter, missionary in science. Princeton University Press, 1944. viii+321 pp.

—Liberty Hyde Bailey, a story of American plant sciences. Princeton University Press, 1949. 506 pp. [All of Rodgers' books give excellent, detailed accounts of botanical exploration, with illuminating sidelights on the participants. His volumes on Torrey and Coulter, and the 1944 book on American botany are especially full of valuable materials on the botanical exploration of the West.]

SMALLWOOD, WILLIAM MARTIN. *Natural history and the American mind*. Columbia University Press, 1941, xv+445 pp. [There is an excellent bibliography at pp. 355-424, and a full index.]

YOUMANS, WILLIAM JAY. *Pioneers of science in America*. Sketches of their lives and work. New York, Appleton, 1896. viii+508 pp.—S. W. GEISER, Professor of Biology, Southern Methodist University.

RANUNCULUS CAROLINIANUS DC. var. *villicaulis* Shimmers, var. nov. —A specie differt caulibus hirsutis pilis patentissimis. TYPE: Freeport, Brazoria County, Texas, *Geo. L. Fisher 48102*, March 21, 1948 (in Herb. Southern Methodist University). In his "Treatise on the North American Ranunculi" (*Amer. Midl. Nat.* vol. 40 no. 1, 1948), Dr. Lyman Benson emphasizes the subglabrous condition of *R. carolinianus* as an important difference between it and *R. septentrionalis* Poir. (p. 82). Collections from the outer Coastal Plain in southeastern Texas, far out of the range of *R. septentrionalis* or *R. hispidus* Michx., have the densely and rather hispidly pubescent stems characteristic of those species, but the few, large, wing-margined achenes and mostly broad, short leaflets of *R. carolinianus*. The recognition of an endemic geographic variety seems warranted. The following additional collections of *Ranunculus carolinianus* var. *villicaulis* are in the SMU Herbarium. AUSTIN Co.: 8¼ miles east of Sealey, San Felipe de Austin State Park, *V. L. Cory 55071* and *55073*, March 28, 1949. FORT BEND Co.: without definite locality, *B. C. Tharp & Fred A. Barkley 47087*, March 30, 1947. JACKSON Co.: 2½ miles west of Ganado, *Cory 55096*, March 29, 1949.—*Lloyd H. Shimmers*