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Guide to

Popular Floras

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43
Guide to

Popular Floras

of the
United States
and Alaska;

An Annotated, Selected List of Nontechnical Works for the Identification of
Flowers, Ferns, and Trees X

By S. F. Blake ✓

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Guide to Popular Floras of the United States and Alaska

An Annotated, Selected List
of Nontechnical Works for the Identification
of Flowers, Ferns, and Trees

By S. F. BLAKE, senior botanist, Horticultural Crops Research Branch, Agricultural Research Service

INTRODUCTION

The first flora of any part of the United States of a truly "popular" nature—that is, intended for the use of persons interested in the identification of wild plants but not acquainted with the descriptive terms of systematic botany—appears to have been Charles S. Newhall's *The Trees of Northeastern America*. It is a book of 250 pages published in 1890, containing descriptions in nontechnical language and simple but, on the whole, fairly satisfactory line drawings of the leaves of each species and in some cases of the fruits. Like some other botanical artists of both earlier and later times, the author was an uncompromising realist, and if the particular leaf he had chosen for illustration happened to have been chewed by an insect or damaged in some other way, the injury was represented as truthfully as his pencil could render it.

Other works of an ostensibly popular nature had appeared before this date, but they were, like Volney Rattan's *A Popular California Flora* (1879), mainly adaptations with some simplification in terminology of the standard technical works of Asa Gray and other professional botanists or else lists of species with occasional brief notes on distinctive characters, such as Alice Eastwood's *A Popular Flora of Denver, Colorado* (1893), which could only have been used by one already acquainted with the families and genera.

The fact that the first such popular work dealt with trees rather than with flowers ordinarily so called is of interest as indicating the demand for a popular guide to the naming of this most conspicuous group of plants. This demand has continued to the present time, if the number of popular works devoted to trees is any criterion. Of the 358 titles included in the present publication, 156 relate to trees (or woody plants in general), 129 to the whole flora or to herbaceous flowering plants alone, 38 to ferns, 15 to shrubs alone, and 20 to miscellaneous subjects.

The first popular work covering the herbaceous flowering plants as a whole was Mrs. William S. Dana's *How to Know the Wild Flowers* (1893), a guide to the more common or conspicuous flowers of the Northeastern States in which the species were grouped according to color. The first popular work for the identification of ferns was the same author's *How to Know the Ferns*, published in 1899 under her then name of Frances T. Parsons. The first such work on shrubs was Newhall's *The Shrubs of Northeastern America* (1893); he published also *The Vines of Northeastern America* (1897), likewise the first popular work in its field.

In the last half century or so there have appeared hundreds of popular works on plant identification of varying merit and varying degrees of completeness. The present catalog includes the majority of such publications, general, regional, State, and local; the few standard technical manuals for the different regions (but not those for the different States, which will be found listed in S. F. Blake

and A. C. Atwood, *Geographical Guide to Floras of the World*, pt. 1, 1942); nearly all works that contain illustrations of all or nearly all the species, whether they are technical or popular; and, in addition, a few standard reference books on cultivated plants, weeds, edible plants, useful plants, aquatic plants, plant names, etc. Publications restricted to a single family have been omitted except for a few on cacti and two on palms; some dealing with gymnosperms only have also been included.

Something less than half the list consists of general and regional works, the latter divided into Northeastern, Pacific, Southeastern, and Western, the last division including all the regional works relating to the States west of the Mississippi River (except the three Pacific States); the remainder of the list is made up of publications on the individual States and Alaska, arranged alphabetically. The user of this catalog should refer not only to the titles for the particular State in which he is interested but also to the general and regional sections, and he is likely to find helpful material also under the names of adjoining States.

The title and the other bibliographical data given relate in each instance to the last edition of the work in question; the date of the first edition is added in parentheses. Except in a few cases, preliminary pages with roman pagination are not mentioned.

The size of each publication is indicated by giving the height of the cover to the nearest half centimeter, both as an aid to looking for the book in the library and as a guide to its suitability for the pocket (2.5 centimeters (cm.) equal 1 inch, 30.5 cm. equal 1 foot; in general, books measuring 20 cm. or less in height are duodecimos, 20 to 25 cm. are octavos, 25 to 30 cm. are quartos, and larger works are folios). For oblong books (wider than high), both height and width are indicated. Most of the abbreviations should be self-explanatory. The word "illus." indicates the presence of text figures only, the number of which is not indicated in the work itself; "fig." is used to indicate text figures when the number is known. "Pls." without a number indicates an indefinite number of plates. Thus, the presence of both unnumbered text figures and unnumbered plates is shown by "illus., pls." "Col. pls." signifies colored plates; "pt. col.," part of the plates are colored. Such a notation as "390 p. incl. 47 pl." means that the 47 plates are included in the numbering of the pages; "6 pl. on 3" indicates 6 plates on 3 leaves, that is, the plates are printed on both sides.

The data given include the name and address of the publisher and (in nearly all cases) the price of the work or the statement that it is out of print; in a few cases, where the publication is now for sale by some individual or concern other than the publisher, this name and address are given in parentheses at the end of the entry of the title. If the publication is one of a named series, this information is given in parentheses immediately following the name of the publisher, except in a few special cases. Prices are of course subject to change; those given are based on the latest information available. Works indicated as out of print can often be consulted in public libraries or the libraries of scientific or horticultural organizations.

Many of the works listed contain a glossary of descriptive terms, but the explanations supplied are often too condensed to be of much use to the beginner, and references to the presence of a glossary have almost always been omitted from the annotations. The standard reference works on the subject are Gray's *Structural Botany*¹ and Jackson's *A Glossary of Botanic Terms*,² the former

¹ GRAY, ASA. *Structural botany, or organography on the basis of morphology*. To which is added the principles of taxonomy and phytogeography, and a glossary of botanical terms. (Gray's botanical textbook. vol. 1.) 6th ed. 442 p., 695 fig., 21 cm. New York, Amer. Book Co., 1879 (reissued 1907). (Out of print.)

² JACKSON, BENJAMIN DAYDON. *A glossary of botanic terms with their derivation and accent*. 4th ed., rev. and enl. 481 p., 22 cm. Philadelphia, Lippincott, 1928. (Reprinted 1953, Hafner Pub. Co., New York, \$4.00)

being a copiously illustrated exposition of the gross morphology of flowering plants, terminating with a glossary; the latter is an alphabetically arranged dictionary with concise definitions but no illustrations. There are also available two small, good, inexpensive glossaries, Dayton's *Glossary of Botanical Terms Commonly Used in Range Research*,³ and Lindley's *Illustrated Dictionary of Botanical Terms*,⁴ the former alphabetically arranged and with a considerable number of illustrations; the latter is a series of short classified definitions with drawings of most of the terms that are capable of illustration.

Almost all the publications cited have been examined in the Library of the U. S. Department of Agriculture or in the Library of Congress; a few have been seen only in private hands in Washington.

GENERAL PUBLICATIONS

APGAR, AUSTIN C. Ornamental shrubs of the United States (hardy, cultivated). 352 p., 621 fig., 19 cm. New York, Amer. Book Co., 1910. (Out of print.)

Treatment of the commonly cultivated shrubs (over 600 species), with keys and short descriptions in nontechnical language, and figure of nearly every species. The keys are based primarily on leaf characters.

ATWOOD, ALICE C. State and local floras . . . Annotations by S. F. Blake. Wild Flower Preserv. Soc. Bul. 1. 16 p. 1930. (3740 Oliver St. NW., Washington, D. C., 25 cents.)

Briefly annotated list of regional floras, both technical and popular; mostly unannotated list of State and local floras, arranged alphabetically by States.— See also BLAKE, SIDNEY F. *State floras of the United States*. *Chronica Botanica* 7: 258–261, 1 fig. (map). 1942 [1943]. (Briefly annotated list of State floras, alphabetically arranged by States, with map showing their dates, preceded by list of principal regional floras of the United States.)

BAILEY, LIBERTY H., and others. Manual of cultivated plants most commonly grown in the continental United States and Canada. rev. ed. 1116 p., 195 fig. New York, Macmillan, 1949. (1st ed. 1924.) (\$18.50)

Systematic treatment with descriptions and brief statement of native range of the more commonly cultivated ferns and flowering plants of the whole United States and Canada (5,347 species); contains also a useful list of specific epithets with meanings, a glossary, and a list of botanical authors with dates and statement of nationality or place of work. Represents a systematization, condensation, and revision of the taxonomic material, with omission of the data on cultivation, in his *Standard cyclopedia of horticulture* (6 vol., 1914–17; 2d ed., not much changed, in 3 vol. 1925; various reissues. Macmillan, \$37.50).

BOMHARD, MIRIAM L. Palm trees in the United States. U. S. Dept. Agr. Inform. Bul. 22. 26 p., 19 fig., 23.5 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1950. (15 cents.)

³ DAYTON, WILLIAM A. Glossary of botanical terms commonly used in range research U. S. Dept. Agr. Misc. Pub. 110, rev. 40 p., 76 fig., 23 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1950. (First issued 1931.) (20 cents.)

⁴ LINDLEY, JOHN. Illustrated dictionary of botanical terms. 1 prelim. leaf, p. 347–383, 346, illus., 21.5 cm. (Cover title, Excerpt from Illustrated dictionary . . . 1848. With introduction by Alice Eastwood.) [San Francisco], 1938 (reprint). (J. T. Howell, Calif. Acad. of Sci., San Francisco, 50 cents.)

Descriptive account of the 14 native palms and the 2 naturalized species, with uses; bibliography.

BRITTON, NATHANIEL L., and SHAFER, JOHN A. North American trees; being descriptions and illustrations of the trees growing independently of cultivation in North America, north of Mexico and the West Indies. 894 p., 781 fig., 26 cm. New York, Henry Holt, 1908. (Out of print.)

Descriptive account of all native or escaped species of trees, with keys, and illustration of each species. The descriptions contain a minimum of technical terms.

CLUTE, WILLARD N. The fern allies of North America north of Mexico. 2d ed. 278 p., illus., pls., front., 20 cm. Joliet, Ill., W. N. Clute Co., 1928. (1st ed. 1905.) (Mrs. Beulah Rodecker, 3601 North Meridian St., Indianapolis, Ind., \$4.00.)

Illustrated descriptive treatment of the families Equisetaceae, Isoetaceae, Selaginellaceae, Lycopodiaceae, Psilotaceae, Salviniaceae, and Marsiliaceae, in popular language. The 2d edition lacks the 8 colored plates of the 1st. For his *Our ferns*, see under Northeastern.

COLLINGWOOD, GEORGE H., and BRUSH, WARREN D. Knowing your trees. 9th rev. printing. 312 p., illus., 29.5 cm. Washington, American Forestry Assoc., 1947. (1st printing 1937, by Collingwood.) (\$6.00)

Descriptive treatment of 150 most important trees of the United States, with excellent photographs showing habit, trunk, twigs with fruit or flowers or both and with maps showing range.

CURTIS, CARLTON C., and BAUSOR, SIDNEY C. The complete guide to North American trees. 337 p., illus., 21 cm. New York, New Home Library, 1943. (1st ed. 1925.) (95 cents.)

Popular treatment, with keys, descriptions, and range, and figure of most of the species; the trees of the northeastern, southern, and western divisions treated separately. The 1943 edition reissued in essentially unchanged form by Perma Giants, 14 West 49th Street, New York, 1950. (95 cents.)

DAYTON, WILLIAM A. United States tree books. A bibliography of tree identification. U. S. Dept. Agr. Bibliog. Bul. 20. 32 p., 23 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1952. (15 cents.)

List of 381 titles published since 1900, geographically arranged, in part with annotations; includes popular and technical works on tree and shrub identification, systematic monographs, and the principal regional and State floras.

GEORGIA, ADA E. A manual of weeds, with descriptions of all of the most pernicious and troublesome plants in the United States and Canada, their habits of growth and distribution, with methods of control. 593 p., 386 fig., front., 19.5 cm. New York, Macmillan, 1914 (several reissues, the last in 1935). (Out of print.)

Systematic account of principal weeds with description, vernacular names, methods of control, etc.

HARLOW, WILLIAM M. State publications on tree identification (United States and adjacent Canada). 10 p., 28 cm. [Syracuse], New York State Col. of Forestry at Syracuse Univ., 1951. [Mimeographed.] (Free.)

Unannotated list of publications on identification of trees, arranged alphabetically by States, consisting mostly of publications that are still available for distribution; includes a few regional floras (chiefly Pacific coast), but no general ones, and a few Canadian titles.

HAUSMAN, ETHEL H. The illustrated encyclopedia of American wild flowers. 534 p., illus., 16 col. pl., 21.5 cm. New York, Garden City Pub. Co., 1947. (\$2.49)

Illustrated guide to families; alphabetical list of vernacular names and of family names (the latter partly vernacular names, partly scientific names), the family entries with description, range, etc., of selected species (1,200 in all), the vernacular names with references to the names under which they are entered in the family treatments; illustrated glossary, list of State flowers, no index of scientific names. Includes no trees, rather few shrubs, and more eastern than Pacific species.

ILLICK, JOSEPH S. Tree habits. How to know the hardwoods. 337 p., illus., pls., 22.5 cm. Washington, Amer. Nature Assoc., 1924. (\$2.00)

Descriptive treatment of commoner native and cultivated United States trees (not including gymnosperms), systematically arranged; lists of tree species grouped according to various characters.

KUMMER, ANNA P. Weed seedlings. xxxiii, 435 p. incl. illus., 21 cm. Chicago, Univ. of Chicago Press, 1951. (\$5.00)

Key to species; descriptions and figures of 300 common weeds, arranged by families, the figures showing the young plants in several early stages and enlarged early leaves (usually up to the 5th leaf).

LITTLE, ELBERT L., Jr. To know the trees. Important forest trees of the United States. In United States Department of Agriculture Yearbook 1949 ("Trees"): 763-814, 165 fig., 165 maps, 23.5 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1949. (\$2. Reprinted as Yearbook Separate 2156; Supt. of Doc., 15 cents.)

Short descriptions, with figures and small maps showing range, of 165 important forest trees, of which 110 are from the States east of the Rockies.—See also his *Fifty trees from foreign lands*. Above citation, p. 815-832, 50 fig., map. 1949. (Discussion of zones of hardiness, etc.; descriptive list of 50 of the commonest cultivated trees, each with figure of distinctive parts. Reprinted as Yearbook Separate 2157; Supt. of Doc., 10 cents.)

MEDSGER, OLIVER P. Edible wild plants. 323 p., 80 fig., 19 pl., 21 cm. New York, Macmillan, 1939. (\$4.00)

Descriptive account of edible wild plants (the mushrooms listed but not described), classified according to uses; followed by tabular lists of species, arranged geographically and classified by uses, with brief descriptions, range, and season.

MOLDENKE, HAROLD N. American wild flowers. 453 p., illus. (in glossary), 64 pl. (32 col.), 22 cm. New York, Van Nostrand, 1949. (\$6.95)

Running account of the families of flowering plants with mention and usually brief characterization of about 2,000 species; frequent notes on uses, fertilization of flowers, etc.; bibliography. Although the book gives about the only general survey of the United States flora that is available, its descriptions are mostly

too brief to be of use for identification by beginners. Woody plants are not included.

MUENSCHER, WALTER C. Aquatic plants of the United States. 374 p., 154 fig., 400 small maps, 24 cm. Ithaca, N. Y., Comstock Pub. Co., 1944. (Handbooks of American natural history, ed. by Albert H. Wright, vol. 4.) (\$5.00)

Systematic treatment of aquatic vascular plants, with descriptions of families and genera and keys to species; small map showing range, and usually also a figure, for each species. The term aquatic plant is taken broadly to include submersed and emersed species of fresh, brackish, and salt waters, including such groups as *Typha*, *Sagittaria*, *Echinochloa*, *Mimulus*, etc.

——— Poisonous plants of the United States. rev. ed. 277 p., 83 fig., 21.5 cm. New York, Macmillan, 1951. (1st ed. 1939.) (\$4.00)

General considerations, classified list of poisonous plants; systematic account of about 400 poisonous ferns and flowering plants, with description, habitat, and range, conditions of poisoning, symptoms, etc.; extensive bibliography.

——— Weeds. 577 p., 123 fig., 22 cm. New York, Macmillan, 1935. (\$6.00)

General considerations, including lists of weeds of different habitats; systematic descriptive list of 500 weeds, with control methods; bibliography.

PLATT, RUTHERFORD. American trees. A book of discovery. 256 p., illus., pls. (8 col.), 19.5 cm. New York, Dodd, Mead & Co., 1952. (\$3.50) (Reissued 1953—in paper binding, lacking only the color plates—as *A pocket guide to the trees*. Pocket Books, New York, 35 cents.)

Popular treatment of common trees, grouped by regions, with impressionistic descriptions and simple figures of the leaves for most species, often, also, of the fruits or other distinctive parts; notes on uses, etc.; ends with illustrated section "Guide to quick identification" based on leaves, fruits, etc.

PRESTON, RICHARD J. North American trees (exclusive of Mexico and tropical United States). 371+lv p., illus., 20 cm. Ames, Iowa State Col. Press, 1948. (\$4.00)

Key to genera based mostly on leaf characters; descriptions, figures, and maps showing range of 232 trees, with mention of 336 others.

REHDER, ALFRED. Manual of cultivated trees and shrubs hardy in North America exclusive of the subtropical and warmer temperate regions. 2d ed. 996 p., map, 22 cm. New York, Macmillan, 1940. (1st ed. 1927.) (\$12.50)

The standard technical descriptive manual of cultivated woody plants of most of the United States and Canada (about 2,535 species, with mention of 1,400 others), with keys, dates of introduction, etc.

ROGERS, JULIA E. The tree book. A popular guide to a knowledge of the trees of North America and to their uses and cultivation. 565 p., 176 pl. (16 col.), 25.5 cm. Garden City, N. Y., Doubleday, Doran & Co., 1935. (1st ed. 1905.) (Out of print.)

Descriptive account of most of the native trees of the United States and many cultivated ones, with notes on uses, etc.; chapters on transplanting, lists of trees with different habits, bright autumn foliage, etc.

SAUNDERS, CHARLES F. Useful wild plants of the United States and Canada. 3d rev. ed. 275 p., illus., pls. New York, R. M. McBride, 1934. (1st ed. 1920.) (Out of print.)

Popular treatment, the plants classified by uses, with chapter on certain poisonous plants; classified index, geographically arranged. The third edition scarcely differs from the first.

TAYLOR, KATHRYN S., ed. A traveler's guide to roadside wild flowers, shrubs, and trees, of the U. S. describing over 700 plants in flower . . . 182 p., about 700 fig., 4 col. pl., maps, 21 cm. New York, Farrar, Straus & Co., 1949. (\$3.00)

Consists of a condensed flora in form of very brief descriptions (flower color, etc.) of 743 plants, grouped by color and under each color arranged in systematic order, most of them with a small but frequently recognizable figure; followed by descriptive account of notable floral displays and characteristic vegetation (arranged by months, with references to the flowers given in the flora), centers of interest (parks, arboretums, gardens, etc.), examples of land use (important agricultural industries), etc., for each State (arranged alphabetically).

VAN DERSAL, WILLIAM R. Ornamental American shrubs. 288 p., 68 pl., col. front., 22 cm. New York, Oxford Univ. Press, 1942. (\$4.00)

Account of over 200 of the more ornamental native shrubs, treated by systematic groups; plant growth zones, garden treatment of native shrubs, lists of best shrubs of different regions, etc.

PUBLICATIONS LISTED BY REGIONS

Northeastern Region

(Maine to Wisconsin, south to Virginia and Kentucky)

Some of the works listed here continue farther west, to the Great Plains or the eastern edge of the Rocky Mountains. See also Southeastern (Coker and Totten; Harrar and Harrar); Western (Rydberg, Flora of the prairies and plains).

APGAR, AUSTIN C. Trees of the northern United States: their study, description, and determination, for the use of schools and private students. [rev. ed.?] 224 p., illus. New York, Amer. Book Co., 1920. (First issued 1892.) (Out of print.)

Keyed descriptive flora of wild and commonly cultivated trees of the region north of the southern boundary of Virginia and Missouri and east of the Rocky Mountains, with figure of leaf (sometimes also fruit or flower) of each species. The work is old but still serviceable, although some of the names have been changed.

BEECROFT, WILLEY I. Who's who among the ferns. 208 p. incl. illus., 17 cm. New York, Moffat, Yard & Co., 1910. (Out of print.)

Illustrated key to genera; descriptions and full-page figures of the true ferns.

——— Who's who among the wild flowers. 361 p. incl. illus., 18 cm. New York, Moffat, Yard & Co., 1910. (Out of print.)

Figures and brief descriptions of about 300 plants, grouped by color.

BLAKESLEE, ALBERT F., and JARVIS, CHESTER D. *Trees in winter: their study and identification.* abridged ed. 292 p., illus., 22 cm. New York, Macmillan, 1931. (Out of print.)

Descriptive account of native and principal cultivated trees (about 110 species) with keys, semitechnical descriptions, and full-page illustrations (photographs) showing habit of growth, trunk, twigs, and often fruit of each species. The descriptive text and illustrations are essentially the same as in their earlier work *New England trees in winter* (1911), and the work refers primarily to that area.

BROWN, HARRY P. *Trees of northeastern United States native and naturalized.* rev. and enl. ed. 490 p., illus., 24 cm. Boston, Christopher Pub. House, 1938. (1st ed. 1922, with title *Trees of New York State . . .*) (Out of print.)

Descriptive treatment of native and naturalized trees (152 species) with full-page figure of each species, account of uses, discussion of various characters as aids in identification, keys based on leaves and twigs, synopsis of families and genera with keys to species, glossary of scientific names, etc.

CLUTE, WILLARD N. *American plant names.* 3d ed. 285 p., 20.5 cm. Indianapolis, W. N. Clute Co., 1940. (1st ed. 1923, with title *A dictionary of American plant names.*) (Mrs. Beulah Rodecker, 3601 North Meridian St., Indianapolis, \$3.00.)

List of angiosperms (the families arranged more or less in the Bentham-Hooker sequence, the genera and species alphabetically under them), with collected vernacular names under each species; index to botanical family names and to vernacular names. The book includes 2 supplements, the first (p. 217-248) including an index to its own vernacular names and to the generic names in the first part (but not in the supplement), the second (like the first) alphabetically arranged by specific names and with its own index of vernacular names. Covers in general the range of Gray's Manual, ed. 7.

——— *Our ferns: their haunts, habits and folklore.* 2d ed. 388 p., illus., pls. (8 col.), 20.5 cm. New York, F. A. Stokes, 1938. (1st ed. 1901, with title *Our ferns in their haunts.*) (Out of print.)

Terminology, etc.; illustrated descriptive treatment of ferns of northeastern United States, with notes on history, folklore, etc.; chapter on extralimital species (from other parts of United States), illustrated key to genera, keys to species, glossary.

CREEVEY, CAROLINE A. *Harper's guide to wild flowers.* 555 p., illus., col. pls., col. front., 20.5 cm. New York, Harper, 1952. (First issued 1912.) (\$1.75)

Descriptions (frequently vague and insufficient for identification) of a large number of species of the Northeastern States (chiefly), with illustrations of many, the plants grouped by color; section on vines and shrubs; lists of species arranged by habitats and by flowering date.

CUTHBERT, MABEL J. *How to know the spring flowers . . .* rev. ed. 194 p., 483 fig., 22 cm. Dubuque, Iowa, Wm. C. Brown Co., 1949. (1st ed. 1943.) (Cloth \$2.50, wire-coil binding \$1.75)

List of State flowers, etc.; treatment in form of a continuous key of about 340 common herbs from the United States east of the Rocky Mountains and from Southern Canada "that start blossoming in the spring," with figure of each species

and small map showing range.—See also her *How to know the fall flowers* . . . 199 p., 539 fig., 22 cm. Dubuque, Iowa, Wm. C. Brown Co., 1948. (Similar treatment of about 350 autumn flowering plants. Cloth \$2.50, wire-coil binding \$1.75)

DAME, LORIN L., and BROOKS, HENRY. Handbook of the trees of New England with ranges throughout the United States and Canada. 196 p., 87 pl., 18.5 cm. Boston, Ginn & Co., 1902. (Out of print.)

Pocket manual of New England trees, with full descriptions, rather detailed range, and notes on horticultural value.

DOUBLEDAY, NELLIE BLANCHAN ("NELTJE BLANCHAN"). Nature's garden. An aid to knowledge of our wild flowers and their insect visitors. 415 p., pls. (pt. col.), 25.5 cm. New York, Doubleday, Page & Co., 1900 (reissued 1905, in Nature Library, vol. 9; various other reissues.) (Out of print.)

Treatment of over 500 flowers of the Northeastern States, grouped by color, with fairly ample, popularly written descriptions, habitat, range, etc., the text devoting particular attention to insect visitors; lists of fragrant flowers and leaves, unpleasantly scented flowers, conspicuous fruits, and systematic list of plants. —*Wild flowers worth knowing* (270 p., 48 col. pl., 20.5 cm. Garden City, Doubleday, Page & Co., 1917; out of print) is an adaptation by ASA D. DICKINSON, with reproductions of some of the original color photographs. *Wild flowers* (same publisher, 1926; out of print) is the same adaptation as to text but there are new color plates (paintings, not photographs); in both of these issues many of the species described in the original work are omitted.

DURAND, HERBERT. Field book of common ferns. For identifying fifty conspicuous species of eastern America, with directions for their culture. rev. ed. 223 p. incl. 53 fig., 54 pl., front., 17.5 cm. New York, Putnam, 1949. (1st ed. 1928.) (\$3.50)

List of plants often mistaken for ferns, etc.; descriptions and full-page figures of 50 common ferns, each also with a habit photograph; habit photographs also of 4 species of *Lycopodium*; list of synonyms, fruiting dates, preparation of a herbarium, cultivation of ferns, etc.

EMERSON, ARTHUR I., and WEED, CLARENCE M. Our trees; how to know them . . . 5th ed. 295 p., illus., pls., front., 25 cm. Philadelphia, Lippincott, 1918 (10th impression 1936). (1st ed. 1908.) (\$4.50)

Descriptions and excellent full-page photographs showing habit, flowers, fruit, and leaves of about 140 native and cultivated trees, mostly of the Northeastern States.

FASSETT, NORMAN C. A manual of aquatic plants. 382 p. incl. illus., 23.5 cm. New York, McGraw-Hill, 1940. (\$5.50)

Flora of aquatic plants in form of keys, with short descriptions of the families and genera (and of the species when only one is given), brief statement of range, and references to some recent treatments; list of families and species eaten by birds and mammals, list of important birds and mammals with corresponding foods eaten; bibliography. Covers region from Minnesota to the Gulf of St. Lawrence, south to Missouri, Kentucky, and Virginia.

FERNALD, MERRITT L., and KINSEY, ALFRED C. Edible wild plants of eastern North America. 452 p., 129 fig., 25 pl. on 13, 22 cm. Cornwall-on-Hudson, N. Y., Idlewild Press, 1943. (Out of print.)

Classified list of edible plants, with discussion; discussion of poisonous plants that might be eaten; systematic account of edible wild plants, including some mushrooms, seaweeds, and lichens; bibliography. Covers the region east of the Great Plains and Hudson Bay and north of peninsular Florida.

FOGG, JOHN M. Weeds of lawn and garden. A handbook for eastern temperate North America. 215 p., illus., 21 cm. Philadelphia, Univ. of Pa. Press, 1945. (\$3.00)

General considerations, control, etc.; brief descriptions and figures of about 197 common weeds, with notes on eradication, uses, etc.

GLEASON, HENRY A. The new Britton and Brown illustrated flora of the northeastern United States and adjacent Canada. 3 vol., illus., 27 cm. [New York], N. Y. Botanical Garden, 1952. (\$30.00)

Keyed, descriptive flora of ferns and flowering plants, with figure of each species. This will take the place of the following work, which for over 50 years has been the standard illustrated flora of its region: BRITTON, NATHANIEL L., and BROWN, ADDISON. *An illustrated flora of the northern United States, Canada and the British possessions from Newfoundland to the parallel of the southern boundary of Virginia, and from the Atlantic Ocean westward to the 102d meridian*. 2d ed. 3 vol., 4666 fig., 26.5 cm. New York, Scribner, 1913. (1st ed. 1896-98; various reissues of 2d ed., the last in 1947. Out of print.) The drawings in the new edition are superior to those in the old one, but are not numbered and are sometimes so overlappingly grouped on the page that it is difficult and occasionally impossible to associate the illustrations with the names; in addition the extensive list of vernacular names (occupying 37 three-column pages in the original) is omitted. The area is less extensive than that covered by the earlier work. It is bounded on the south by the southern boundaries of Virginia, Kentucky, and Missouri; on the west by the western boundaries of Missouri, Iowa, and Minnesota; and on the north by the northern boundaries of Minnesota, and Michigan, the 47th parallel from Lake Superior to the St. Lawrence River, and the St. Lawrence River to the Gulf; Anticosti, Newfoundland, and Sable Island are not included. Britton and Brown's work included all of Kansas and Nebraska and all except the western part of North Dakota and South Dakota.

GOTTSCHO, SAMUEL H. Wildflowers; how to know and enjoy them. 192 p. incl. illus., pls. (pt. col.), 17 cm. New York, Dodd, Mead & Co., 1951. (\$2.75) (Reissued 1951 as *The pocket guide to the wildflowers* . . . Pocket Books, New York, 35 cents.)

Photographs (many in colors) and brief descriptions of about 200 common plants, arranged by color and date of blooming. Some of the colored figures of the principal edition are not so well reproduced in the cheaper issue, and the half-tone photographs of the former are replaced by drawings based on them.

GRAVES, ARTHUR H. Illustrated guide to trees and shrubs . . . 240 p., 116 fig., 45 pl. (i. e. 161 fig.), 23 cm. Wallingford, Conn., the author, 1952. (\$4.00)

Treatment of wild and commonly cultivated trees, shrubs, and woody vines, with keys and diagnostic characters; bibliography. Covers the Northeastern States from Maine to Pennsylvania and New Jersey.

GRAY, ASA. Gray's manual of botany . . . A handbook of the flowering plants and ferns of the central and northeastern United States and adjacent

Canada. Largely rewritten and expanded by M. L. Fernald . . . 8th ed. 1632 p., 1806 fig., 23.5 cm. New York, Amer. Book Co., 1950. (1st ed. 1848.) (\$9.50)

The standard descriptive manual of the Northeastern States and adjacent Canada, the range in this edition extended north to take in Anticosti Island and Newfoundland, thence west along the 49th parallel in Quebec to the northwest corner of Minnesota, and south to the southern boundaries of Missouri, Kentucky, and Virginia. The present edition, greatly expanded over the 7th, is too large for the pocket.

HARLOW, WILLIAM M. Trees of the eastern United States and Canada. Their woodcraft and wildlife uses. 288 p., illus., pls. (pt. col.), 18 cm. New York, McGraw-Hill, 1942. (\$4.00)

Descriptive treatment of native or escaped trees; a pocket manual.

HARNED, JOSEPH E. Wild flowers of the Alleghanies . . . 2d ed. 675 p., about 400 fig., 16 col. pl., 21 cm. Oakland, Md., the author, 1936. (1st ed. 1931.) (Out of print.)

Illustrated key to families, etc.; descriptive treatment of flowering plants, with rather full descriptions, notes on uses, biology, etc.; ranges are not given. The second edition differs from the first chiefly in the addition of a 5-page supplement (p. 617-621).

HAUSMAN, ETHEL H. Beginner's guide to wild flowers. 376 p., 1080 fig., 18.5 cm. New York, Putnam, 1948. (\$3.50)

Recognizable drawings, 3 to a page, with brief description and range, the flowers grouped by color, the species in each section arranged in systematic order. Some species are placed in more than one section, and some are described under their relatives but not figured.

HOUGH, ROMEYN B. Handbook of the trees of the northern states and Canada east of the Rocky Mountains. 470 p., 498 fig., 24.5 cm. Lowville, N. Y., R. B. Hough Co., 1907 (several reissues, apparently unchanged, the last by Macmillan, New York, 1947). (\$6.50)

Descriptive account, with excellent photographs of leaves, fruit, buds, and trunk of each species, small map of range, and often cross section of wood; in back of book a systematic synopsis with keys, including some species not in the text.

HOUSE, HOMER D. Wild flowers . . . 362 p., illus., 264 col. pl., 30 cm. New York, Macmillan, 1934. (First issued in 2 vol., 1918 [1920], with title Wild flowers of New York. Several reissues.) (Out of print.)

Descriptive account of a large number of the commoner or more conspicuous plants of the Northeastern States, with color photographs (for the most part excellent) showing 364 species, and some good plain photographs in the text.

JAQUES, HARRY E. How to know the trees. An illustrated key to the most common species of trees found east of the Rocky Mountains, with suggestions and aids for their study. rev. ed. 166 p., 354 fig., 22 cm. Dubuque, Iowa, Wm. C. Brown Co., 1946. (Pictured-key nature series.) (1st ed. 1940.) (Paper \$1.75, cloth \$2.50)

Continuous key to about 263 trees, with description, figure, and small map showing range for each species; key to genera in winter condition, systematic list of species.

KEELER, HARRIET L. *Our early wild flowers. A study of the herbaceous plants blooming in early spring in the northern states.* 252 p., illus., pls. (pt. col.), 17 cm. New York, Scribner, 1916. (Out of print.)

Descriptive account of many of the common spring flowers (March to May), with illustrations of most of the species.—See also her *The wayside flowers of summer. A study of the conspicuous herbaceous plants blooming upon our northern roadsides during the months of July and August.* 288 p., illus., pls., col. front., 17 cm. New York, Scribner, 1917. (Similar treatment of about 150 species. Out of print.)—Also her *Our northern autumn. A study of its characteristic flowers, its brilliant foliage and its conspicuous fruits.* 194 p., illus., pls. (pt. col.), col. front., 17 cm. New York, Scribner, 1920. (Similar treatment of various autumnal plants (mostly Compositae), discussion of color of autumn leaves, autumn fruits, etc. Out of print.)

——— *Our garden flowers. A popular study of their native lands, their life histories, and their structural affiliations.* 550 p., 186 fig., 90 pl., 20 cm. New York, Scribner, 1910. (Out of print.)

Descriptive treatment of a large number of cultivated flowers including some generally grown only in greenhouses in the Northeastern States, arranged in systematic order. Has section on sweet herbs.

——— *Our native trees and how to identify them. A popular study of their habits and their peculiarities.* 533 p., 338 fig. (incl. 178 full-page photos), 20.5 cm. New York, Scribner, 1900 (reissued 1929). (Out of print.)

Descriptive treatment of native and some naturalized trees found east of the Rocky Mountains and north of the southern border of Virginia, with account of ornamental value, etc.

——— *Our northern shrubs and how to identify them. A handbook for the nature lover.* 521 p., 236 fig. (incl. 205 full-page photos), 20 cm. New York, Scribner, 1903. (Out of print.)

Descriptive account in popular language of native and cultivated shrubs of the region east of the Mississippi and north of the southern border of Virginia, the plants arranged by families.

LOUNSBERRY, ALICE. *A guide to the wild flowers.* 347 p., 54 fig., 164 pl. (64 col.), 19.5 cm. New York, F. A. Stokes, 1899. (Out of print.)

Short descriptions and popular text covering several hundred species, the plants grouped (not very satisfactorily) according to habitat; list of species grouped according to color. Refers mainly to Northeastern States, but includes some species from the South and West.

McKENNY, MARGARET, and JOHNSTON, EDITH F. *A book of wayside fruits.* 78 p., col. pls., 23.5 cm. New York, Macmillan, 1945. (\$2.50)

Attractive colored plates illustrating 36 conspicuous wild fruits, grouped according to seasonal occurrence, with text.

MATHEWS, F[ERDINAND] SCHUYLER. Familiar flowers of field and garden. rev. ed. 310 p., illus., 19.5 cm. New York, Appleton-Century, 1937. (1st ed. 1895.) (Out of print.)

Running account of the common or conspicuous wild and cultivated flowers of the Northeastern States, arranged in order of flowering, with over 200 figures; alphabetical index giving family, color, range, habitat, and flowering dates.

——— Field book of American trees and shrubs. A concise description of the character and color of species common throughout the United States, together with maps showing their general distribution. 465 p., illus., pls. (pt. col.), maps, 17.5 cm. New York, Putnam, 1915. (Out of print.)

Pocket manual including most of the trees and shrubs of the eastern United States and some of the Western States, with fairly adequate descriptions, range, etc.

——— Field book of American wild flowers. Being a short description of their character and habits, a concise definition of their colors, and incidental references to the insects which assist in their fertilization. New ed., rev. and enl. 558 p., illus., 32 col. pl., 17.5 cm. New York, Putnam, 1927. (1st ed. 1902.) (Out of print.)

Pocket manual of flowering plants of the Northeastern States east of the 100th meridian, arranged in systematic order, with descriptions and excellent drawings of most of the species; key to families, list of species grouped by flower color.

MUENSCHER, WALTER C. Keys to woody plants. 6th ed. 108 p., 3 pl. Ithaca, N. Y., Comstock Pub. Co., 1950. (1st ed. 1922.) (\$1.25)

Unannotated key to the common native woody plants and some of the commoner exotics of the Northeastern States (about 500 species), followed by systematic list of species and good bibliography covering the United States and Canada.

NATIONAL GEOGRAPHIC SOCIETY. The book of wild flowers. An introduction to the ways of plant life, together with biographies of 250 representative species and chapters on our state flowers and familiar grasses. 2d ed. 243 p., illus., 128 col. pl., 25 cm. Washington, National Geographic Soc., 1933. (1st ed. 1924.) (Out of print.)

Includes a section describing about 250 common plants (mostly of the northeastern United States), each illustrated by an excellent colored figure (by Mary E. Eaton); also table of State flowers (p. 233), flower calendar, list of flowers grouped by color; section on grasses, with colored plates of greatly enlarged flowers. The second edition scarcely differs from the first.

PARSONS, FRANCES T. (earlier Mrs. William S. Dana). How to know the ferns. A guide to the names, haunts, and habits of our common ferns. 215 p., illus., front., 20.5 cm. New York, Scribner, 1899. (Out of print.)

Habitats, structure, key to species, etc.; short descriptions of 57 true ferns, with illustrations of nearly all, and popular text.

——— How to know the wild flowers. A guide to the names, haunts, and habits of our common wild flowers. new ed. 346 p., 148 pl. (pt. col.), 20 cm. New York, Scribner, 1900. (1st ed. 1893.) (Out of print.)

Popular work, with nontechnical descriptions, covering essentially the area east of Chicago and north of Washington, D. C., the flowers grouped by color.

PETERSON, MAUDE G. How to know wild fruits. A guide to plants when not in flower by means of fruit and leaf. 340 p., illus., col. front., 19.5 cm. New York, Macmillan, 1905. (Out of print.)

Key to families based on fruits, systematic list grouping the species in each family by color; descriptive treatment of about 200 species, grouped by color. Includes only fleshy fruits of attractive color.

REED, CHESTER A. Flower guide. Wild flowers east of the Rockies. rev. ed. 232 p., 192 col. fig., 9 x 14 cm. Garden City, N. Y., Doubleday, Page & Co., 1912. (1st ed. 1907.) (Out of print.)

Recognizable colored figures of 320 species, arranged in systematic order, the text giving range, season, etc.; key to species based on color. There were numerous reissues.

ROGERS, JULIA E. Tree guide. Trees east of the Rockies. 265 p., about 240 fig. (pt. col.), 8.5 x 14 cm. Garden City, N. Y., Doubleday, Page & Co., 1914. (Out of print.)

Pocket guide to most of the trees found east of the Rockies, with partial keys, descriptions, range, and small photograph of each species, some good, some of no use in identification.

STEVENS, GEORGE T. An illustrated guide to the flowering plants of the middle Atlantic and New England states (excepting the grasses and sedges) . . . 749 p., about 1800 fig., 22 cm. New York, Dodd, Mead & Co., 1910. (Out of print.)

Outline of structural botany, key to orders and families, etc.; descriptive flora of seed plants intended to be essentially complete for the region covered (Virginia to New England), the descriptions "written in familiar language."

TAYLOR, NORMAN. A guide to the wild flowers east of the Mississippi and north of Virginia. 357 p., 520 fig., 19.5 cm. Garden City, N. Y., Garden City Pub. Co., 1928 (reissued 1936). (Out of print.)

Popular treatment of "all the more conspicuous wild flowers . . . except the grasses, sedges, and rare or technical species" in form of a continuous key based on simple characters. There is a reissue (1936) in larger format with a few colored plates inserted.

TILTON, GEORGE H. The fern lover's companion. A guide for the northeastern States and Canada. 240 p., illus., 19 cm. Melrose, Mass., the author, 1922. (Out of print.)

Illustrated key to genera; short descriptions and one or more illustrations of nearly all the species (true ferns only); biographical sketches of prominent fern students with portraits; bibliography, glossary, checklist of species.

TRELEASE, WILLIAM. Plant materials of decorative gardening. The woody plants. 4th ed. 188 p., 15 cm. Urbana, Ill., the author, 1930 (reprinted 1940). (1st ed. 1917.) (S. B. Trelease, 703 South Wright St., Champaign, Ill., \$1.50).

Keys to genera and species (782 species) covering the hardy cultivated woody plants of eastern United States, except the extreme South, with descriptions of the families and genera. Little changed from 3d ed.—See also his *Winter botany*. 3d ed. 396 p., illus., 14.5 cm. Urbana, the author, 1931 (reprinted 1949). (Key to genera; systematic descriptions of the twig, bud, and leaf-scar characters of the genera, often with keys to species, with figure of each genus and references

to other illustrations. 1st ed. 1918.) (S. B. Trelease, 703 South Wright St., Champaign, Ill., \$3.00).

WALTON, GEORGE L. The flower-finder. 4th rev. ed. 394 p., 573 fig., pls., col. front., 20 cm. Philadelphia, Lippincott, 1935. (1st ed. 1914.) (\$3.50)

Popular treatment, the plants grouped by color, with partial keys and non-technical descriptions, each species illustrated by a recognizable figure (or plate). Includes also the more conspicuous fruits.

WATERS, CAMPBELL E. Ferns. A manual for the northeastern states with analytical keys based on the stalks and on the fructification. 362 p. incl. illus. (over 200 fig.), front., 26 cm. New York, Henry Holt, 1903. (Out of print.)

Key to species based primarily on fibrovascular bundles in the stipes; briefly descriptive treatment of the true ferns, with good figures (photographs) of each species; chapter on fern photography.

WHERRY, EDGAR T. Guide to eastern ferns. 2d ed. 252 p., illus., 17 cm. Philadelphia, Univ. of Pa. Press, 1942 (reprinted 1952). (1st ed. 1937.) (\$2.50)

Brief descriptions and full-page figures of nearly 100 species of ferns and fern allies, covering primarily the region from Pennsylvania and New Jersey to Virginia but including most of the northeastern species; notes on cultivation.

——— Wild flower guide. Northeastern and midland United States. 202 p., 2 fig., 106 pl. (pt. col.), map, 19 cm. Garden City, N. Y., Doubleday, 1948. (\$3.00)

Pocket manual describing nearly 400 of the more conspicuous native flowers of the Northeastern States (east of 100° W. long., north of 37° N. lat.), with colored or plain figure of each, short description, range, notes on culture, etc.; list of species, grouped according to color; also briefer treatment of 100 introduced species, of which 40 are illustrated. The separation of these plants from the native ones is ill advised, since the beginner cannot possibly tell which are native and which are not.

WILEY, FARIDA A. Ferns of northeastern United States. Illustrations and descriptions of all known species in the New England and middle Atlantic States. A pocket manual for the amateur with two aids for fern identification that are not included in other pocket manuals; a key to sterile fronds and drawings of vascular bundle patterns. rev. ed. 108 p., illus., 10.5 x 16 cm. n. p., 1948. (1st ed. 1936.) (The author, Amer. Mus. of Nat. Hist., New York, \$1.60)

Brief descriptions with figures showing shape of frond, enlarged lower pinnae, cross section of stem, and fruiting characters of each species of the true ferns (65 species); also key based on sterile fronds.

Pacific Region

(Washington, Oregon, and California)

See also Western (Armstrong; Bailey and Bailey; Benson and Darrow; Dodge Saunders).

ABRAMS, LEROY. Illustrated flora of the Pacific states, Washington, Oregon, and California. vol. 1-3, 4944 fig., 27.5 cm. Stanford University,

Calif., Stanford Univ. Press, 1923-51 (vol. 1 reissued 1940). (vol. 1, \$12.50; vol. 2, \$15.00; vol. 3, \$17.50)

Descriptive flora of ferns and flowering plants, with keys, and figure of every species; similar in plan to Britton and Brown's *Illustrated flora* (see under Gleason, p. 10), but the figures (except in vol. 1) grouped into full-page illustrations instead of 3 (or 2) per page. The standard illustrated work for the Pacific States. Vol. 1, ferns to Aristolochiaceae; vol. 2, Polygonaceae to Leguminosae and Krameriaceae; vol. 3, Geraniaceae to Scrophulariaceae. A fourth volume will complete the work.

BOWERS, NATHAN A. Cone-bearing trees of the Pacific coast. 169 p. incl. illus., col. front., 20.5 cm. New York, McGraw-Hill, 1942. (\$3.50)

Grouping of species according to altitude and geography; descriptions and in most cases figures showing habit and usually the bark, as well as branches and cones, of the native gymnosperms.

CLEMENTS, EDITH S. Flowers of coast and sierra. 226 p., 32 col. pl., 22.5 cm. New York, H. W. Wilson Co., 1928. (\$4.50)

Popular treatment of 220 of the more conspicuous species of the Pacific coast from Washington to southern California, to be identified by the colored figures only, as there are practically no descriptions.

ELIOT, WILLARD A., and McLEAN, GLADYS B. Forest trees of the Pacific coast including a brief account of the outstanding characters, distribution and habitat of the trees native to Alaska, British Columbia, Washington and Oregon; most of which are also found in Idaho and northern California and eastward to the western slopes of the Rocky Mountains. rev. ed. 565 p. incl. 249 full-page fig., 21 cm. New York, Putnam, 1948. (1st ed. 1938.) (\$5.50)

Descriptive account of native trees, with two or more photographic illustrations of practically every species. The revised edition is not obviously different from the original.

FRYE, THEODORE C. Ferns of the northwest; covering Washington, Oregon, Idaho, Montana, Wyoming, British Columbia, central and northern California. 177 p., 62 fig., 20.5 cm. Portland, Oreg., Metropolitan Press, 1934. (Binfords & Mort, Portland, \$2.50)

Technical systematic treatment of ferns and fern allies, with one or more figures of each species, citation of localities, and much information on uses; bibliography. Although British Columbia and California are mentioned in the title, no specimens are cited from them.

——— and RIGG, GEORGE B. Elementary flora of the northwest. 256 p., 19 cm. New York, Amer. Book Co., 1914. (Out of print.)

Very condensed flora of flowering plants in the form of keys, with brief descriptions of the families and genera; stated to be complete except in a few genera of grasses. Covers Washington, Oregon, Idaho, and southwestern coastal British Columbia. The keys use the ordinary technical terms, so can hardly be called elementary.

GILKEY, HELEN M., and POWELL, GARLAND M. Handbook of north-west flowering plants. 2d ed. 412 p., illus., 20 cm. Portland, Oreg., Binfords & Mort, 1951. (1st ed. 1936.) (\$3.75)

Keyed, descriptive treatment in scarcely technical language of the more conspicuous and common seed plants of western Washington and Oregon from the summit of the Cascade Range south to the Umpqua Divide or about the southern limit of Lane County, Oreg.; "northern Washington . . . has been slighted."

GRAHAM, EVELYN, and McMINN, HOWARD E. Ornamental shrubs and woody vines of the Pacific coast . . . 259 p. incl. 144 fig., 22 col. pl., 24 cm. Berkeley, Calif., Gillick Press, 1941. (Out of print.)

Keyed treatment of native and (mostly) cultivated ornamental shrubs and woody vines, with short descriptions or notes on habit, etc.; bibliography.

HASKIN, LESLIE L. Wild flowers of the Pacific coast. In which is described 332 flowers and shrubs of Washington, Oregon, Idaho, central and northern California and Alaska. 407 p., 181 fig. (full-page photos), col. front., 22.5 cm. Portland, Oreg., Metropolitan Press, 1934. (Binfords & Mort, Portland, \$3.50)

Popular treatment of many of the more conspicuous species, with rather vague descriptions and information on Indian uses; the plants arranged by families.

McMINN, HOWARD E., and MANIO, EVELYN. An illustrated manual of Pacific coast trees . . . With lists of trees recommended for various uses on the Pacific coast by H. W. Shepherd. 409 p., 415 fig., col. front., maps (on lining papers), 19.5 cm. Berkeley, Univ. of Calif. Press, 1935. (The so-called 2d ed., 2d printing, 1946, is not obviously different from the 1st.) (\$4.00)

Descriptive flora mostly in nontechnical language, with keys, of the native trees growing from British Columbia to California, inclusive, and about 400 of the commonly cultivated ones; bibliography, lists of trees recommended for planting for various ornamental purposes.

SUDWORTH, GEORGE B. Forest trees of the Pacific slope. 441 p., 207 fig., 2 pl. (maps), 23.5 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1908 (reissued 1950). (\$1.50)

Descriptive account of trees, with figure of each species and detailed statement of range.

Southeastern Region

(North Carolina and Tennessee south to Florida and Mississippi)

See also Northeastern (Fernald and Kinsey; Trelease).

COKER, WILLIAM C., and TOTTEN, HENRY R. Trees of the southeastern states including Virginia, North Carolina, South Carolina, Tennessee, Georgia, and northern Florida. 3d ed. 419 p., illus., 7 pl., front., 20 cm. Chapel Hill, Univ. of N. C. Press, 1945. (Reissue [1954], lacking plates, \$4.00.)

Treatment of trees of the area (263 species, of which 241 are native) with keys, brief descriptions, range, notes on large specimens, uses, etc.

GREENE, WILHELMINA F., and BLOMQUIST, HUGO L. Flowers of the south, native and exotic. 208 p., illus., col. pls., map (on lining papers), 23 cm. Chapel Hill, Univ. of N. C. Press, 1953. (\$5.00)

Short descriptions with distinctive figures of about 500 species of native and exotic plants (grouped separately), arranged by botanical families.

HARRAR, ELLWOOD S., and HARRAR, JACOB G. Guide to southern trees. 712 p., 8 fig., 201 pl., 18.5 cm. New York, McGraw-Hill, 1946. (\$5.00)

Nontechnical treatment covering area from Maryland, Virginia, West Virginia, Kentucky, Arkansas, and Oklahoma southward, with keys, descriptions, range, uses; bibliography. The palms and yuccas are not treated.

LOUNSBERRY, ALICE. Southern wild flowers and trees together with shrubs, vines and various forms of growth found through the mountains, the middle district and the low country of the south . . . 570 p., illus., 177 pl. (pt. col.), 20.5 cm. New York, F. A. Stokes, 1901. (Out of print.)

Descriptions of a large number of angiosperms, in systematic order, with notes on uses, history, etc. Covers the region from North Carolina and Tennessee south to the Gulf. The figures are good, but many of the descriptions would be insufficient for identification.

SMALL, JOHN K. Ferns of the southeastern states. Descriptions of the fern-plants growing naturally in the states south of the Virginia-Kentucky state line and east of the Mississippi River. 517 p., illus., map, 22 cm. Lancaster, Pa., the author, 1938. (Orange Judd Pub. Co., 15 East 26th St., New York, \$3.50.)

Technical systematic treatment, with full-page figure of each species (except in *Isoetes*).

——— Manual of the southeastern flora; being descriptions of the seed plants growing naturally in Florida, Alabama, Mississippi, eastern Louisiana, Tennessee, North Carolina, South Carolina and Georgia. 1554 p., [1518] fig., 23.5 cm. New York, the author, 1933. (Reissue [offset-printed], Chapel Hill, Univ. of N. C. Press, [1953], \$12.50.)

Technical descriptive flora, with keys, covering the flowering plants of the States mentioned in the title (5,557 species); the figures show the flower structure in one species in each genus. For his *Flora of the southeastern United States* . . . , see under Western.

Western Region

(All States west of the Mississippi River, including Minnesota and Louisiana and excepting the three Pacific Coast States)

See also Northeastern (some of the titles there extend west to the Rockies); also Pacific (Eliot and McLean; Frye; Frye and Rigg; Haskin).

ARMSTRONG, MARGARET (in collaboration with J. J. THORNBUR). Field book of western wild flowers. 596 p., about 500 fig., 48 col. pl., 17.5 cm. N. Y., Putnam, 1915 (various reissues). (\$3.95)

Popular descriptions of a large number of the commoner wild flowers of Washington, Oregon, California, Idaho, Nevada, Utah, and Arizona, with illustrations of most of the species mentioned. The plants are arranged under their botanical families.

ARNBERGER, LESLIE P. Flowers of the southwest mountains. 112 p., illus., 23 cm. Santa Fe, N. Mex., Southwest. Monuments Assoc. [now at Globe, Ariz.] (Popular Series No. 7), 1952. (\$1.00)

Plant zones, etc.; good figures with very brief descriptions, notes on uses, etc., of about 150 species (including trees) growing above 7,000 feet elevation, grouped mainly by color. Covers Arizona, New Mexico, Colorado, and Utah. This

work supplements the one by Dodge and the one by Patraw (see below); the simple but effective illustrations in all three are by Jeanne R. Janish.

BAILEY, VIRGINIA L., and BAILEY, HAROLD E. Woody plants of the western national parks. Containing keys for the identification of trees and shrubs. 274 p., 146 fig. (incl. map), 23.5 cm. Notre Dame, Ind., Amer. Midland Naturalist (Monograph 4), 1949. (\$4.00)

General features of vegetation in national parks in Washington, Oregon, California, Montana, Wyoming, Colorado, Utah, Arizona, and Michigan (Isle Royale); annotated, keyed, descriptive flora of shrubs and woody vines, with statement of occurrence in each park and definite localities; bibliography. The trees are merely keyed (p. 18-24), not listed or annotated; for fuller treatment see the following work. —BAILEY, H. E., and BAILEY, V. L. *Forests and trees of the western national parks*. U. S. Dept. Interior Conserv. Bul. 6. 129 p., 71 fig. (incl. map), 23 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1941. (Life zones, forest regions, etc.; annotated list with keys, descriptions, and detailed ranges of the trees of the national parks in Washington, Oregon, California, Montana, Wyoming, Colorado, Utah, Arizona, and New Mexico. 25 cents.)

BENSON, LYMAN, and DARROW, ROBERT A. A manual of southwestern desert trees and shrubs. 411 p., 115 illus. (pt. col., incl. maps), 23 cm. Tucson, Univ. Ariz. (Bul. vol. 15, No. 2), 1945. (Out of print.)

Floristic regions, glossary, etc.; semipopular keyed descriptive flora of woody plants of southeastern California (Colorado and Mohave Deserts), southern tip of Nevada, extreme southeastern Utah, extreme western and most of southern Arizona, part of New Mexico, and El Paso County, Tex. The Cactaceae are omitted; most of them are described in BENSON, LYMAN. *The Cacti of Arizona*. 2d ed. 134 p., 33 fig., 29 pl. (pt. col.), 23.5 cm. Tucson, Univ. of Ariz. Press, 1950. (Descriptive treatment with keys, maps showing range, and good photographs; notes on cultivation.) (Univ. of New Mexico, Albuquerque, N. Mex., \$4.00.)

BROWN, STEWARDSON. Alpine flora of the Canadian Rocky Mountains. 353 p., 79 pl. (pt. col.), col. front., 19 cm. New York, Putnam, 1907. (Out of print.)

Popular treatment of the commoner ferns and flowering plants, intended primarily for the Canadian Rockies and Selkirks between Banff and Glacier, but applicable to much of the Rocky Mountains in general.

CLEMENTS, EDITH S. Flowers of prairie and woodland. 83 p., 25 col. pl., 23 cm. New York, H. W. Wilson, 1947. (\$2.25)

Colored illustrations of about 125 of the more conspicuous flowers, with accompanying text but without descriptions. Relates principally to the Midwestern States.

CLEMENTS, FREDERIC E., and CLEMENTS, EDITH S. Rocky Mountain flowers. An illustrated guide for plant-lovers and plant-users. 3d ed. 390 p. incl. 47 pl. (pt. col.), 21 cm. New York, W. H. Wilson Co., 1928. (\$4.50)

Unannotated keys to a selection of seed plants of Colorado, Wyoming, most of Montana, northern New Mexico, eastern Utah, and western parts of North Dakota and South Dakota, Nebraska, and Kansas, with descriptions of families and genera, and illustrations of 530 species; ranges are not given. MRS. CLEM-

ENTS' *Flora of mountain and plain* (1915; 3d ed. 1926, reprinted 1949; W. H. Wilson; \$2.25) consists of the same colored plates (except the "flower chart") with (in 2d and 3d ed.) brief text.

COULTER, JOHN M. *New manual of botany of the central Rocky Mountains (vascular plants)* . . . rev. by Aven Nelson. 646 p., 21.5 cm. New York, Amer. Book Co., 1909. (1st ed., 1885, *Manual of the botany of the Rocky Mountain region.*) (Out of print.)

Technical descriptive flora, with keys, of 2,733 species of flowering plants and ferns, covering Colorado, Wyoming, the Black Hills of South Dakota, most of Montana, southern Idaho, eastern Utah, northern Utah, northern New Mexico, and northern Arizona. Commonly quoted as "Coulter and Nelson," the work having been completely rewritten by Nelson.

DODGE, NATT N. *Flowers of the southwest deserts*. 2d ed. 112 p., illus., map, 23 cm. Santa Fe, N. Mex., Southwest. Monuments Assoc. [now at Globe, Ariz.] (Popular Series No. 4), 1952. (1st ed. 1951.) (\$1.00)

Readily recognizable drawings of about 138 characteristic herbs and shrubs of the Chihuahuan, Sonoran, and Mohave Deserts in Texas, New Mexico, Arizona, and California, with brief descriptive notes. The two editions are identical in illustrations and descriptive text.

HARDY, GEORGE A., and HARDY, WINIFRED V. *Wild flowers in the Rockies*. 125 p. incl. 50 col. pl., 26 cm. Saskatoon, Canada, H. R. Larson, 1949. (\$7.50)

Colored figures of 200 flowers, grouped by color, with short descriptions. Intended for Canada, but serves about as well for the United States Rockies.

HENSHAW, JULIA W. *Wild flowers of the North American mountains*. 383 p., 80 pl. (16 col.), 21.5 cm. New York, R. M. McBride, 1915. (Out of print.)

Popular treatment of ferns and flowering plants, the flowers grouped mostly according to color; systematic list of species included. Applies especially to Canadian Rocky Mountain region, but can be used about as well for the United States Rockies.

KIRKWOOD, JOSEPH E. *Northern Rocky Mountain trees and shrubs*. 340 p., 87 fig., 35 pl., 23 cm. Stanford University, Calif., Stanford Univ. Press, 1930. (Out of print.)

Treatment of the known trees and shrubs (248 species) of the region from Yellowstone Park north and northwest through Montana, Idaho, and Canadian Rockies, with semitechnical descriptions.

LONGYEAR, BURTON O. *Trees and shrubs of the Rocky Mountain region with keys and descriptions for their identification*. 244 p., 128 fig., 9 col. pl., 17.5 cm. New York, Putnam, 1927. (\$3.95)

Pocket manual treating "the more clearly defined" species, with short descriptions, simple keys, and figures of nearly all the species. Covers Idaho, Montana, Wyoming, Utah, Colorado, Arizona, and New Mexico.

PATRAW, PAULINE M. *Flowers of the southwest mesas*. 2d ed. 112 p., illus., 23 cm. Globe, Ariz., Southwest. Monuments Assoc. (Popular Series No. 5), 1953. (\$1.00)

Popular treatment of about 156 characteristic plants with short descriptions and unpretentious but readily recognizable drawings (by Jeanne R. Janish). Relates to the Upper Sonoran Zone (pinyon-juniper belt) of Nevada, Utah, Colorado, New Mexico, and Arizona.

PRESTON, RICHARD J. Rocky Mountain trees. A handbook of the native species with plates and distribution maps. 2d ed. 285+LXXXI p. incl. illus., maps, 19.5 cm. Ames, Iowa, Iowa State Col. Press, 1947. (\$2.50)

Rather full descriptions in essentially nontechnical language, with keys, habitat, range (shown on maps), silvical characters, etc.; checklist of species by States, etc. Covers Montana, Wyoming, Nevada, Utah, Colorado, Arizona, New Mexico, and western Texas.

RYDBERG, PER A. Flora of the prairies and plains of central North America. 969 p., 23.5 cm. New York, N. Y. Botanical Garden, 1932. (Out of print.)

Technical descriptive flora, with keys, of 3,988 species of flowering plants and ferns, covering Minnesota, Iowa, North Dakota, South Dakota, Nebraska, Kansas, southern Manitoba and southeastern Saskatchewan, as well as most of the species of the adjoining prairie and plains regions of Illinois, southern Wisconsin, Missouri, eastern Colorado, eastern Montana, and southern Saskatchewan.

——— Flora of the Rocky Mountains and adjacent plains. Colorado, Utah, Wyoming, Idaho, Montana, Saskatchewan, Alberta, and neighboring parts of Nebraska, South Dakota, North Dakota, and British Columbia. 2d ed. 1144 p., 23 cm. New York, the author, 1922 [1923]. (1st ed. 1917 [1918].) (Out of print.)

Technical descriptive flora, with keys, covering flowering plants and ferns of the States mentioned in the title (5,897 species).

SAUNDERS, CHARLES F. Western flower guide. Wild flowers of the Rockies and west to the Pacific. 286 p., 250 col. fig., 8.5 x 14 cm. Garden City, N. Y., Doubleday, Page & Co., 1917 (several reissues, the last in 1940). (Out of print.)

Fair to poor colored figures of 250 of the more common or conspicuous herbs, shrubs, and some trees, with short descriptions, range, uses, etc.

SMALL, JOHN K. Flora of the southeastern United States; being descriptions of the seed-plants, ferns and fern-allies growing naturally in North Carolina, South Carolina, Georgia, Florida, Tennessee, Alabama, Mississippi, Arkansas, Louisiana, and in Oklahoma and Texas east of the one hundredth meridian. 2d ed. 1394 p., 25 cm. New York, the author, 1913. (1st ed. 1903.) (Out of print.)

Technical descriptive flora, with keys, covering the ferns and flowering plants of the States mentioned in the title. Replaced by his *Manual* (see under South-eastern) for the area east of the Mississippi River.

UNITED STATES FOREST SERVICE. REGION FOUR. How to know the trees of the intermountain region. 20 p., illus., 21 cm. Ogden, Utah, U. S. Forest Serv., [n. d.]. [Offset-printed.] (First issued 1934, authors: MILLARD, NED D., and KEENE, W. L.) (Regional Forester, Forest Service Building, Ogden, free.)

Brief descriptions and figures of principal trees of southern Idaho, Utah, and Nevada.

PUBLICATIONS LISTED BY STATES

Alabama

MARTIN, IVAN R., and DEVALL, WILBUR B. *Forest trees of Alabama*. 87 p., 77 fig., 23 cm. Auburn, Ala. Polytechnic Inst. (Cir. 3), 1949. (15 cents.)

Descriptions and figures of 77 species; list of species with uses of woods. Replaces PAGE, RUFUS H., Jr., and BRYAN, JAMES E., Jr. *Forest trees of Alabama*. 72 p., 69 fig., 23 cm. Auburn, Ala. Polytechnic Inst. Ext. Serv. (Cir. 169), 1939. (Descriptions and figures of 68 trees.)

Alaska

ANDERSON, JACOB P. *Flora of Alaska and adjacent parts of Canada*. An illustrated and descriptive text of all vascular plants known to occur within the region covered. 9 pt. Iowa State Col. Jour. Science 18: 137-175, 381-445. 1943-44; 19: 133-205. 1945; 20: 213-257, 297-347. 1946; 21: 363-423. 1947; 23: 137-187. 1949; 24: 219-271. 1950; 26: 387-453. 1952. (Includes 1074 fig. on 45 pl., map.)

Systematic treatment with keys and descriptions of all the ferns and flowering plants, with illustrations showing in most cases a leaf and the flower or fruit of nearly all the species. Covers also Yukon Territory and extreme northwestern British Columbia.

SHARPLES, ADA W. *Alaska wild flowers*. 156 p., pls., front., 22 cm. Stanford University, Calif., Stanford Univ. Press, 1938. (Out of print.)

List covering most of the common or conspicuous flowering plants and ferns, alphabetically arranged by scientific names, with brief descriptive notes and indication of range. The descriptions are frequently too brief and vague to be of much use in identification, but about 160 species are illustrated by fairly helpful photographs.

TAYLOR, RAYMOND F., and LITTLE, ELBERT L., Jr. *Pocket guide to Alaska trees*. U. S. Dept. Agr., Agr. Handbook 5, rev. 63 p., 33 fig., map, 22 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1950. (1st ed. 1929, by Taylor.) (25 cents.)

Account of forests, key to species; descriptions and illustrations of Alaska trees (30 species) and of some shrubs; bibliography.

Arizona

See also New Mexico (Little, Southwestern trees).

DODGE, NATT N. *Trees of Grand Canyon National Park*. 69 p., illus., 21 cm. Grand Canyon Natl. Park, Grand Canyon Nat. Hist. Assoc. (Nat. Hist. Bul. 3), 1936. [Offset-printed.] (50 cents.)

Plant zones, etc.; descriptions, uses, etc., of the trees of the park (39 species), with figures of each species.

HAMILTON, FRANCES L. *The desert garden*. Native plants of Phoenix and vicinity, Phoenix Mountain Park, Camelback Mountain, Papago Park, Squaw Peak. 60 p., 9 fig., front. (map), 20.5 cm. [n. p.], 1933. (Out of print.)

Keyed flora of vascular plants in semipopular language, briefly annotated.

MARSHALL, WILLIAM T. *Arizona's cactuses*. 111 p., 62 fig., 22.5 cm. [Tempe], Desert Botanical Garden Ariz. (Science Bul. 1), 1950. (Paper \$1.10, cloth \$1.90)

Descriptive treatment with keys, in nontechnical language. The Desert Botanical Garden, located at Tempe, maintains a large garden including about 20 acres planted to cactuses and desert vegetation of the world.—See also Western region (Benson, *The Cacti of Arizona*, under Benson and Darrow).

Arkansas

LINDAHL, J. C. *Trees of Hot Springs National Park and vicinity*. 52 p., 1 fig., 11 pl. on 6, 28 cm. Hot Springs, Hot Springs Nat. Hist. Assoc. (Nat. Hist. Jour. No. 4. 2/4 quarters), 1938. [Mimeographed.] (Out of print.)

Descriptions of trees in popular language, with outline drawings of the leaves of many of them.

MOORE, DWIGHT M. *Trees of Arkansas*. 119 p., illus., 23 cm. Little Rock, Ark. Division of Forestry and Parks, 1950. (First issued 1939.) (35 cents.)

Forest regions, keys, etc.; descriptions and figures of about 100 trees; list of additional trees and shrubs found in the State. Replaces BUCHHOLZ, JOHN T., and MATTOON, WILBUR R. *Common forest trees of Arkansas*. 1924.

California

BAXTER, EDGAR M. *California cactus*. A complete and scientific record of the cacti native in California. 93 p., illus., col. front., 27.5 cm. Los Angeles, Abbey San Encino Press, 1935. (Abbey Garden Press, Pasadena, \$2.75.)

Keyed descriptive treatment, with one or more figures (mostly photographs) of each species.

BEATTY, M. EDWARD, HARWELL, CHARLES A., and COLE, JAMES E. 101 wildflowers of Yosemite. *Yosemite Nature Notes* vol. 17, No. 6. p. 75-112, illus., 23.5 cm. Yosemite Natl. Park, Yosemite Nat. Hist. Assoc., 1938. (rev. and reprinted 1942.) (25 cents.)

Brief descriptions and figures of 101 flowering plants.

HALL, HARVEY M., and HALL, CARLOTTA C. *A Yosemite flora*. A descriptive account of the ferns and flowering plants, including the trees . . . designed to be useful throughout the Sierra Nevada Mountains. 282 p., 170 fig., 11 pl., 19.5 cm. San Francisco, Paul Elder, 1912. (Out of print.)

Popular treatment of 955 species and varieties of ferns and flowering plants (the grasses, sedges, and rushes being omitted), with short descriptions, keys, and account of habitat.—See also COLE, JAMES E. *The cone-bearing trees of Yosemite*. *Yosemite Nature Notes* vol. 18, No. 5. p. 33-72, illus., 23.5 cm. Yosemite Natl. Park, Yosemite Nat. Hist. Assoc., 1939. (Running account with habit photograph of each species, followed by descriptive key. 25 cents.)—Also BROCKMAN, C[HRISTIAN] FRANK. *Broadleaved trees of Yosemite National Park*. *Yosemite Nature Notes* vol. 26, No. 1. 40 p., illus., 24 cm. Yosemite Natl. Park, Yosemite Nat. Hist. Assoc., 1947. (Nontechnical descriptions with illustrations of most of the species, and a key. 25 cents.)—Also TRESIDDER, MARY C. *The trees of Yosemite*. A popular account. rev.

ed. 134 p., illus., 22 cm. Stanford University, Stanford Univ. Press, 1948. (1st ed. 1932.) (Popular treatment, illustrated by block prints which are ornamental rather than botanical. \$2.00)

HASTINGS, GEORGE T. Trees of Santa Monica described and located by streets. 112 p., illus., pls., 23.5 cm. Santa Monica, the author, 1944. (Paper \$1.00, cloth \$1.50)

List of various localities and streets and their trees; list of over 300 trees and shrubs alphabetically arranged by scientific names, with very brief characterization and citation of growing specimens.

JAEGER, EDMUND C. Desert wild flowers. rev. ed. 322 p., 764 fig., front., 21.5 cm. Stanford University, Stanford Univ. Press, 1941 (5th printing 1950). (1st ed. 1940.) (\$5.00)

Figures of 764 flowering plants, arranged by families, with habitat, range, notes on uses, color of flower, etc., but without keys and mostly without descriptions. Includes essentially all the species of the Mohave and Colorado Deserts.

JEPSON, WILLIS L. The trees of California. 2d ed. 240 p., 124 fig., 20 cm. Berkeley, Associated Students Stores, 1923. (1st ed. 1909.) (\$3.50)

Annotated list of trees, with discussion of range, outstanding characters, size, use, etc.; life zones, forest provinces, reaction to forest fires, food products, historic trees, etc.; technical systematic treatment of native species, with keys. The habit photographs, pictures of redwood logging, etc. of 1st ed. are not in 2d ed.

McMINN, HOWARD E. An illustrated manual of California shrubs. 2d printing. 663 p., 775 fig., col. front., 23.5 cm. Berkeley and Los Angeles, Univ. of Calif. Press, 1951. [Offset-printed.] (1st printing 1939.) (\$6.50)

Systematic account of about 800 species of native shrubs with keys, semi-popular descriptions, local range, etc., and figures of nearly all the species; account of plant formations, bibliography. The 2d printing unchanged, except that the chapter by Fred H. Schumacher, Use of California shrubs in garden design (p. 649-674 of original issue), is omitted.

PARSONS, MARY E. The wild flowers of California, their names, haunts, and habits. cvi, 417 p. incl. illus., 20 cm. San Francisco, Cunningham, Curtis & Welch, 1912. (First issued 1897; various reissues, the last in 1930.) (Out of print.)

Key to genera, descriptions of families and some larger genera; account of the common or conspicuous flowering plants with short popular descriptions, notes on habitat, uses, etc., the flowers grouped according to color; many full-page figures.

REID, LEA. Common broad-leaved trees. 72 p., illus., 22.5 cm. Sacramento, State Dept. Educ. (Science Guide for Elem. Schools, vol. 5, No. 10), 1939. (Out of print.)

Several keys based on leaves, flowers, fruit, etc., to common native and cultivated trees; descriptive notes on numerous species.

SHINN, CHARLES H. Let's know some trees. Brief descriptions of the principal California trees. U. S. Dept. Agr. Misc. Cir. 31, rev. 38 p., 22 fig.,

23 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1931. (First issued 1925.) (Out of print.)

Running account of principal trees, in systematic order, with distinctive characters; scientific names are given in the index.

SMITH, EMILY. Keys to names of wild flowers. In *Spring wild flowers of the open field*, p. 24-101, fig. 9-69, 23 cm. San Jose, State Col. (West. Nature Study vol. 2, No. 1), 1931 (reissued 1933). (Out of print.)

Simple key to families; descriptions of various families with keys to genera or species, and photographs of characteristic species. Followed by SMITH, EMILY, and NORRIS, BARBARA. *Spring wild flowers of the open field*. Above citation, p. 102-132. 1931. (Tabular descriptive list of 62 characteristic species, many of which are illustrated in the preceding paper.)—These reissued in 1933 (occupying the same pages) with other material, in a book edited by GAYLE B. PICKWELL and published by San Jose State Teachers College, with title *Spring wild flowers of the open field. A little book . . .* (Out of print.)

THURSTON, CARL. Wildflowers of southern California. An easy key to the names of flowers, ferns and trees . . . 412 p. incl. 547 fig. (on pls.), 23.5 cm. Pasadena, Esto Pub. Co., 1936. (\$6.00)

Running keys, in popular language, to nearly all the vascular plants of the region from Santa Barbara, Ventura, Los Angeles, and southern San Bernardino Counties southward. The illustrations are all photographs, including many of single flowers, fruits, and other details.

VAN RENSSLAER, MAUNSELL. Trees of Santa Barbara. rev. ed. 213 p., 67 fig., front., 23.5 cm. Santa Barbara, Santa Barbara Botanic Garden, 1948. (1st ed. 1940.) (Paper \$1.90, cloth \$2.40)

Annotated list, alphabetically arranged by scientific names, of trees wild and cultivated growing within 50 miles of Santa Barbara (745 species and varieties), giving country of origin, very brief characterization, and usually citation of one or more growing specimens; also list of 366 species and varieties no longer known to be in cultivation there.

Colorado

HARRINGTON, HAROLD D., and DURRELL, LAURENCE W. Colorado ferns and fern allies. Pteridophyta. 96 p. (p. 92-96 blank), 57 fig., 23 cm. Fort Collins, Colo. Agr. and Mech. Col., 1950. (Research Foundation, Fort Collins, \$1.00.)

Descriptive treatment of ferns and fern allies, with figure of each species.

LONGYEAR, BURTON O. The evergreens of Colorado. 2d ed. 82 p., 60 fig., front., maps, 23 cm. Fort Collins, 1925. (1st ed. 1914.) (Out of print.)

Descriptions and figures of native gymnosperms, with keys, notes on uses, etc.; general notes on cultivation, etc.

MORE, ROBERT E. Colorado evergreens. rev. ed. 89 p., 65 fig. (incl. pls.), col. front., 23 cm. Denver, Denver Mus. Nat. Hist. (Popular Series No. 9), 1949. (1st ed. 1943.) (Paper \$1.12, cloth \$2.12)

Descriptive notes and excellent photographs covering the Colorado gymnosperms (16 species).

NELSON, RUTH A. *Plants of Rocky Mountain National Park*. rev. ed. 201 p., 100 fig., 14 pl. (i. e. 114 fig.), 23.5 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1953. (1st ed. 1933.) (\$1.00)

Life zones, etc.; popular treatment of vascular plants (about 750 species) with partial keys, intended to include all species known from the park; bibliography. Will also be useful for localities above 7,000 feet throughout the mountains of northern Colorado and southern Wyoming. Publication of U. S. National Park Service. (North-central Colorado, northwest of Denver, in Larimer, Grand, and Boulder Counties.)

PESMAN, M[ICHIEL] WALTER. *Meet the natives; an easy way to recognize wild flowers, trees and shrubs of the central Rocky Mountain region*. 5th ed., rev. 220 p., illus., pls., 22 cm. Denver, the author (372 South Humboldt St.), 1952. (1st ed. 1942.) (Regular \$2.25, Wir-O-Bind \$2.50)

Very brief descriptions of over 700 plants, grouped by life zones, then by flower color, with sketches or photographs of about 200 species; discussion of life zones; bibliography. Relates primarily to Colorado, but includes some localities in Wyoming, Utah, and New Mexico.

ROBERTS, HAROLD, and ROBERTS, RHODA. *Some common Colorado wild flowers*. 64 p., illus. (incl. 50 col. fig.), 22.5 cm. Denver, Denver Mus. Nat. Hist. (Mus. Pictorial No. 8), 1953. (\$1.30)

Discussion of life zones; good colored photographs of 50 characteristic flowers, with descriptions.

UNITED STATES FOREST SERVICE. *ROCKY MOUNTAIN REGION. Trees native to the forests of Colorado and Wyoming*. rev. ed. 23 p., illus., 20 cm. [n. p.], 1945. [Offset-printed.]

Figures and descriptive notes on about 25 common trees.

WEBER, WILLIAM A. *Handbook of plants of the Colorado Front Range. Keys for the identification of the ferns, conifers, and flowering plants of the central Rocky Mountains from Pikes Peak to Rocky Mountain National Park and from the plains to the Continental Divide*. 232 p., 68 fig. (incl. map), 22.5 cm. Boulder, Univ. Colorado Press, 1953. (\$5.00)

Plant zones, etc.; flora of vascular plants in form of briefly annotated keys, using comparatively few technical terms. Covers a region in central Colorado from Larimer County to Fremont County.

Connecticut

See also New York (Small, Ferns of the vicinity of New York).

HAWES, AUSTIN F., and MATTOON, WILBUR R. *Forest trees of Connecticut*. In HEERMANCE, EDGAR L. *Practical forestry* . . . p. 27-72, illus., 23 cm. New Haven, Conn. Forest and Park Assoc. (Pub. 40), 1939 (reissued 1946). (25 cents.)

Descriptions and figures of the principal native trees. Based on MATTOON and HAWES, *Forest trees of Connecticut*. 1st ed. 1929.

Delaware

DELAWARE. DEPARTMENT OF PUBLIC INSTRUCTION. Common forest trees of Delaware. A pocket manual. 48 p., illus., 23 cm. [n. p.], 1923. (Out of print.)

Descriptions and figures of 44 species; list of Delaware trees, including some exotics.

TABER, WILLIAM S. Delaware trees. A guide to the identification of the native tree species. 250 p. incl. illus., 23.5 cm. Dover, Del. State Forestry Dept. (Pub. 6), 1937 [1939]. (Available to residents of the State.)

Descriptive treatment of about 100 trees, with full-page figure of each species; lists of principal cultivated ornamental trees and native shrubs, list of large trees with dimensions, series of photographs of tree trunks (38 species), etc. This is one of the most complete and best illustrated of the State tree books.

District of Columbia

HITCHCOCK, ALBERT S., and STANDLEY, PAUL C. Flora of the District of Columbia and vicinity. Contrib. U. S. Natl. Herbarium vol. 21. 329 p., 1 fig., 42 pl. on 21, 24.5 cm. Washington, Govt. Printing Off., 1919. (Out of print.)

General features of flora; annotated list of ferns and flowering plants with keys to families, genera, and species. Covers an area of approximately 15 miles radius about the Capitol, thus including immediately adjacent parts of Maryland and Virginia.

MATTOON, WILBUR R., and ALBURTIS, SUSAN S. Trees of the District of Columbia including some foreign trees. How to know them, where to see them. [rev. ed.] 72 p., illus., 22.5 cm. Washington, Amer. Forestry Assoc., 1941. (1st ed. 1926.) (Out of print.)

Account of the commoner or more conspicuous native and cultivated trees, with figure of each; lists of trees of various streets and localities; bibliography.

Florida

BAKER, MARY F. Florida wild flowers. An introduction to the Florida flora. new ed. 245 p., pls., 19.5 cm. New York, Macmillan, 1938 (reissued 1949). (1st ed. 1926.) (\$4.00)

Popular treatment of 800 of the more common or interesting herbs, shrubs, and trees, with keys and brief descriptions. The plates (photographs) represent 54 species.

BARRETT, MARY F. A leaf key to Florida broad-leaved trees native and exotic, except palms. 79 p., 8 pl., 23.5 cm. Montclair, N. J., the author, 1937. (Out of print.)

Nontechnical keys to native and cultivated trees except palms (for which see Mowry, below). Gives list of localities having interesting trees, annotated bibliography, and list of scientific names with corresponding vernacular names.

BUSWELL, WALTER M. Native shrubs of south Florida. 47 p., illus. (in glossary), 14 pl., 21 cm. Coral Gables, Univ. Miami (Bul. vol. 20, No. 3), 1946. (50 cents.)

List of shrubs, with brief descriptions and key based on leaves. Refers to the region of Lake Okeechobee and southward.

——— Native trees and palms of south Florida. 53 p., illus., 22.5 cm. Coral Gables, Univ. Miami (Bul. vol. 19, No. 6), 1945. (Out of print.)

List of native trees (except palms), with brief descriptions and key based on leaves; running account of native palms.

FLORIDA BOARD OF FORESTRY AND PARKS. Common forest trees of Florida. How to know them. 5th ed. 100 p., 93 fig., 23 cm. [Tallahassee], Fla. Board of Forestry and Parks, 1948. (1st ed. 1925, by W. R. Mattoon.) (Free.)

Descriptions and figures of 93 most important trees; list of 153 less important native trees and 55 important exotics, list of trees and other plants protected by law.

HALL, FRANCIS W. Palms and flowers of Florida. 27 p., 80 fig., 23 cm. Jacksonville, the author, 1940 (reprinted 1946).

Fairly recognizable drawings of 80 of the commoner palms and cultivated ornamentals, with descriptions.

MORTON, JULIA F., and LEDIN, R. BRUCE. 400 plants of south Florida. 134 p. incl. 28 fig., 24 cm. Coral Gables, Text House, 1952. (\$3.50)

Brief descriptions of 400 wild and cultivated plants, alphabetically arranged by scientific names, with notes on uses; bibliography. Although the descriptions are usually very short, they frequently would be sufficient for identification if the vernacular name were already known; otherwise the beginner would be compelled to search through the whole book for every unknown plant.

MOWRY, HAROLD. Native and exotic palms of Florida. rev. by R. D. DICKEY and ERDMAN WEST. 70 p., 67 fig., 23 cm. Gainesville, Univ. Fla. Agr. Ext. Serv. (Bul. 152), 1952. (1st ed. 1931.) (Free to residents.)

Propagation, cultivation, etc.; treatment of native and cultivated species, with short nontechnical descriptions and habit photographs of many species; alphabetical list of native and cultivated palms of the United States, with indication of those native to or cultivated in Florida.

——— Ornamental trees. rev. ed. 126 p., 94 fig., 23 cm. Gainesville, Univ. Fla. Agr. Ext. Serv. (Bul. 95), 1946. (1st ed. 1933.) (Out of print.)

Annotated list of cultivated (and some native) trees, alphabetically arranged by scientific names, with notes on cultivation, habit of growth, flowers, etc.; list of trees for various purposes, checklist of native trees of Florida with common names and local range.

SMALL, JOHN K. Ferns of Florida; being descriptions of and notes on the fern plants growing naturally in Florida. 237 p. incl. illus., 19 cm. New York, Science Press, 1931. (Orange Judd Pub. Co., 15 East 26th St., New York, \$2.50.)

Topography, distribution, etc.; technical systematic treatment of ferns and fern allies, with full-page figure of each species.

——— Ferns of tropical Florida; being descriptions of and notes on the ferns and fern-allies growing naturally in the Everglade Keys and Florida Keys. 80 p., illus., 5 pl., 15.5 cm. New York, the author, 1918. (Out of print.)

Geology, etc.; technical systematic treatment of ferns and fern allies, with figure of each species. The descriptions and figures are the same as in his *Ferns of Florida* . . . The material relating to Royal Palm Hammock and vicinity has been extracted in the following work by Small: *Ferns of Royal Palm Hammock* . . . 39 p., illus., pl., 15.5 cm. New York, the author, 1918. (Out of print.)

SNYDER, ETHEL. Florida trees. A practical hand book for the identification of Florida's trees and palms. 150 p., illus. (incl. map), 21.5 cm. Fort Myers, Geddes Printing House, 1940.

Brief descriptions in very popular language of most of the native and cultivated trees arranged alphabetically under three groups, palms, ornamental and forest trees, and tropical and subtropical fruits.

WEST, ERDMAN, and ARNOLD, LILLIAN E. The native trees of Florida. 212 p., illus., front., 26 cm. Gainesville, Univ. of Fla. Press, 1946. (4th printing 1950, \$3.75)

Descriptive account of native trees, with notes on habit of growth, uses, etc., and figure of almost every species.

Georgia

BISHOP, GEORGE N. Native trees of Georgia. 2d ed. 96 p., 92 fig., 21 cm. Athens, Univ. Ga. School of Forestry, 1948. (1st ed. 1940.) (Free.)

Descriptions and figures of 92 out of about 250 native species; partial list of other trees native in the State. Replaces MATTOON, WILBUR R., and BURLEIGH, THOMAS D. *Common forest trees of Georgia. How to know them. A pocket manual.* 80 p., 78 fig., 23 cm. Athens, Ga. State Col. Agr. (Bul. 291), 1923. (Descriptions and figures of 78 native trees.)

DUNCAN, WILBUR H. Guide to Georgia trees. 63 p., illus. (in glossary), map, 21 cm. Athens, Univ. of Ga. Press, 1941. (50 cents.)

Keys to genera and species of Georgia trees (over 200 species), including list of species with range. Replaces ELLIOTT, CHARLES N. *Key to Georgia trees.* 54 + xvi p., 23 cm. [[Atlanta]], Ga. Forest Serv. (Bul. 13), 1931. (Key to families, genera, and species of native trees, in nontechnical language; systematic list of species.)

McVAUGH, ROGERS, and PYRON, JOSEPH H. Ferns of Georgia. 195 p. incl. illus., map, 24 cm. Athens, Univ. of Ga. Press, 1951. (\$5.00)

Descriptive treatment of ferns and fern allies with full-page figure of each species and small map showing range.

Idaho

See also Western (United States Forest Service); Montana (Wellner).

BJORNSON, BERNICE. A key to the spring flora of southwestern Idaho. 121 p. incl. illus. (in glossary), 27 cm. [n. p.], 1946. [Mimeographed.]

Annotated treatment of flowering plants, with keys and notes on uses, poisonous properties, etc., using a minimum of technical terms; bibliography. Covers in general the Boise region, north into Valley County, south into Owyhee, east into Elmore.

Illinois

EIFERT, VIRGINIA S. Flowers that bloom in the spring . . . 3d printing. 48 p., 37 fig., col. front., 23 cm. Springfield, Ill. State Mus. (Story of Illinois Ser., No. 4), 1951. (1st printing 1947.) (Free.)

Figures of about 40 spring flowers, with text.

FULLER, GEORGE D., et al., *revisers*. Forest trees of Illinois. How to know them. A pocket manual describing their most important characteristics. 7th ed. 70 p., illus., 23 cm. Springfield, Ill. Dept. of Conserv., 1950. (1st ed. 1927, by Mattoon, W. R., and Miller, R. B.) (Free to residents.)

Descriptions and figures of about 60 trees with briefer mention of some related species. About 84 species were described in the first edition.

ILLINOIS NATURAL HISTORY SURVEY. Fieldbook of Illinois wild flowers. Six hundred fifty of the more common flowering plants in the state. 406 p., illus., col. front., 18.5 cm. Urbana, Nat. Hist. Surv. Div., 1936. (Out of print.)

Figures and descriptions of over 350 flowering plants, arranged in systematic order, with descriptions of about 300 additional species under the plants to which they are allied.

MACBRIDE, J[AMES] FRANCIS. Spring wild flowers. 32 p., illus., pl., front., 22 cm. Chicago, Field Mus. Nat. Hist. (Bot. Leaflet 7), 1924. (Chicago Museum of Natural History, 25 cents.)

Good habit photographs of 28 species, with brief text.—See also his *Spring and early summer wild flowers*. 30 p., illus., 2 pl., front., 22 cm. 1924. (Above citation, Bot. Leaflet 8.) (Photographs of 28 species with brief text. Out of print.)—Also his *Summer wild flowers*. 30 p., illus., 2 pl., col. front., 22 cm. 1924. (Above citation, Bot. Leaflet 9.) (Photos of about 29 species with brief text. 25 cents.)—Also his *Autumn flowers and fruits*. 29 p., illus., 2 pl., col. front., 22 cm. 1924. (Above citation, Bot. Leaflet 10.) (Photos of 31 species with brief text. Out of print.)—Also his *Common trees*. 44 p., illus., pl., front., 22 cm. 1925. (Above citation, Bot. Leaflet 11.) (Photos of about 26 species, with brief text. Out of print.)

MILLER, ROBERT B., and TEHON, LEO R. The native and naturalized trees of Illinois. Ill. Nat. Hist. Surv. Bul. vol. 18, art. 1. 339 p. incl. 149 fig. (incl. maps), 98 pl., 26 cm. Urbana, Nat. Hist. Surv. Div., 1929. (Out of print.)

Descriptions, figures, and maps showing local range of 98 species. The plates are mostly from Deam's *Trees of Indiana*.

SWINK, FLOYD A. A guide to the wild flowering plants of the Chicago region. 160 p., 2 pl., 25 cm. Chicago, Rockrose Press (1225 W. Washington Blvd.), 1953. (\$3.00)

Key to most of the flowering plants (the grasses and some other difficult groups omitted), based on readily observed characters.

TEHON, LEO R. Fieldbook of native Illinois shrubs. 307 p., 72 fig., 4 col. pl., map, 18.5 cm. Urbana, Nat. Hist. Surv. Div. (Manual 3), 1942. (Ill. Nat. Hist. Surv., \$1.25; make check payable to State Treasurer.)

Rather full description and figure of each species, with keys, and account of local distribution. The illustrations are mostly figures of leafy branches only, without flowers but sometimes with fruit.

VOSS, JOHN, and EIFERT, VIRGINIA S. Illinois wild flowers. 256 p., 236 fig., port., 22.5 cm. Springfield, Ill. State Mus. (Popular Science Ser. vol. 3), 1951. (\$2.25)

Descriptive account of 236 phanerogams arranged in seasonal order, each with a photograph.

Indiana

See also Ohio (Kellerman, Gleason, and Schaffner, Spring flora for beginners and amateurs).

DEAM, CHARLES C. Shrubs of Indiana. 2d ed. 380 p. incl. 153 pl. and 155 small maps, 26 cm. Indianapolis, Dept. of Conserv. (Pub. 44, rev.), 1932. (1st ed. 1924.) (Out of print.)

Descriptions, full-page figures (photographs), and small maps showing range of native shrubs (163 species), with critical notes, uses, etc.

——— Trees of Indiana. 2d rev. ed. 326 p. incl. 140 pl. and 118 small maps. Fort Wayne [i. e., Indianapolis], Dept. of Conserv. (Pub. 13, rev.), 1932. (1st ed. 1912.) (Out of print.)

Descriptions, full-page figures (photographs), and small maps showing range of native trees (134 species), with critical notes, uses, etc.

ILLICK, JOSEPH S., and DEAM, CHARLES C. Common trees of Indiana. A handy pocket manual of the common [native] and introduced trees of Indiana. 111 p., 75 fig., 22.5 cm. Washington, Amer. Tree Assoc., 1927. (Out of print.)

Descriptions and figures of 75 species, with mention of some others.

PEATTIE, DONALD C. Flora of the Indiana dunes. A handbook of the flowering plants and ferns of the Lake Michigan coast of Indiana and of the Calumet district. 432 p., 38 fig., map, 19.5 cm. Chicago, Field Mus. of Nat. Hist., 1930. (Chicago Museum of Natural History, \$2.00.)

Descriptive flora, with keys, and a minimum use of technical terms.

Iowa

AIKMAN, JOHN M., and HAYDEN, ADA. Iowa trees in winter. 72 p., illus., 22.5 cm. Ames, Iowa State Col. [Agr. and Mech. Arts], Ext. Serv. (Ext. Cir. 246), 1938. (Out of print.)

Descriptive list of native and cultivated trees, alphabetically arranged by scientific names, with keys.

BODE, IRWIN T., and MACDONALD, GILMOUR B. A handbook of the native trees of Iowa. 95 p., illus., 19 cm. Ames, Iowa State Col. Agr. and Mech. Arts, [1928]. (Out of print.)

Descriptions and illustrations of 87 native trees; list of a few other native species and of principal cultivated trees.

HARRINGTON, HAROLD D. The woody plants of Iowa in winter condition. Univ. Iowa Studies in Nat. Hist. vol. 16, No. 1. 116 p., 2 pl., 23.5 cm. Iowa City, Univ. of Iowa, 1934. (Out of print.)

Discussion of winter characters of woody plants; keys and descriptions covering the native and cultivated woody plants in winter condition.—See also his *Keys to the woody plants of Iowa in vegetative condition*. Univ. of Iowa Studies in Nat. Hist. vol. 17, No. 9. p. 371-489 incl. 50 fig. on 2 pl., 23.5 cm. Iowa City, Univ. of Iowa, 1940. (Alphabetical list of native and escaped woody plants, with local range; keys to (1) the genera of native and cultivated woody plants, (2) the genera of native plants alone, (3) species under the genera, these arranged alphabetically. The keys are based on leaf and twig characters, not on flower structure.) (Out of print.)

MELHUS, IRVING E. Native ferns of Iowa. 52 p. incl. 16 fig., small maps, 21.5 cm. Ames, Iowa State Col. [Agr. and Mech. Arts], Ext. Serv. (Ext. Cir. 225), 1936. (Out of print.)

Simple descriptions, with figures (mostly habit photographs) and small maps showing range for nearly all the species of ferns and fern allies.

Kansas

GATES, FRANK C. Handbook of Kansas trees. Rpt. Kansas State Board Agr. 47: 148-372, fig. 117-209. Topeka, 1928. (Out of print.)

Winter and summer keys to genera and species; descriptions and figures of native and principal cultivated trees (92 species), with mention of some others.—See also his *Winter twigs. The identification of Kansas woody plants by their twigs*. Kansas Acad. Sci. Handbook 1. 31 p. incl. 118 fig., 19 cm. 1940. (List of species, with short descriptive notes; key to genera of native and naturalized trees and shrubs, with figures of the twig of nearly every species.) (Academy Librarian, Dept. Zoology, Kansas State Col., Manhattan. 20 cents.)

——— Wild flowers in Kansas. Rpt. Kansas State Board Agr. vol. 51, No. 204-B (for Dec. 1932). 295 p., 448 fig., 23 cm. Topeka, 1933. (Out of print.)

Descriptive treatment of 450 of the more common or conspicuous plants, with keys, and figure of nearly every species; trees, shrubs, grasses, sedges, weeds, and escapes from cultivation omitted.

SMITH, LLOYD F. Handbook of Kansas trees. 41 p., illus., 28 cm. Manhattan, Kansas State Col. Agr. and Appl. Sci., Ext. Serv. (Ext. M Cir. 20), 1939. [Mimeographed.] (Out of print.)

Descriptions and figures of 64 common trees, including some cultivated species.

STEVENS, WILLIAM C. *Kansas wild flowers*. 463 p., 771 fig., col. front., 26 cm. Lawrence, Univ. of Kansas Press, 1948. (\$7.50)

Physiography; descriptive account of over 500 seed plants, with keys, Indian and other uses. The illustrations are photographs, and are generally sufficient for identification.

Kentucky

LA FUZE, HENRY H. *Key to Kentucky trees*. Based on leaf and twig characters. Includes the commonly found native and introduced trees and a list of additional trees occurring infrequently in the state. 43 p., illus., 21.5 cm. Lexington, Lang Co., 1949. [Mimeographed.] (Richmond Printers, Richmond, Ky., 45 cents.)

Key to common native and cultivated trees; list of some additional species.

MATTOON, WILBUR R. *Common forest trees of Kentucky*. How to know them. 72 p., 70 fig., 23 cm. Frankfort, Ky. State Dept. Agr., 1923 (several reissues, the last in 1934). (Out of print.)

Descriptions and figures of 70 of the commoner forest trees.

MAURY, SARAH W. *Native trees of Kentucky*. A handbook. 140 p., illus., 22 cm. [Louisville], Ky. Federation of Women's Clubs, 1910. (Out of print.)

Very brief descriptions of 112 trees, in part with illustrations.

WILLIAMSON, JOHN. *Ferns of Kentucky . . .* 154 p., 6 fig., 60 pl., 19 cm. Louisville, John P. Morton, 1878. (Out of print.)

General considerations; descriptions of the true ferns of the State, with plate of each species.

Louisiana

BROWN, CLAIR A. *Louisiana trees and shrubs*. 262 p., 147 fig. (incl. map), col. front., 23 cm. Baton Rouge, La. Forestry Commission (Bul. 1), 1945. (Apply to author.)

Botanical regions, etc.; popular treatment of native and introduced woody plants, with short descriptions, local range, uses, etc.; bibliography.

——— and CORRELL, DONOVAN S. *Ferns and fern allies of Louisiana*. 186 p., 49 fig. (incl. map), front., 23.5 cm. Baton Rouge, La. State Univ. Press, 1942. (\$3.00)

Botanical explorations, features of local distribution; descriptive treatment of ferns and fern allies, with keys, citation of specimens, and figure (photograph) of almost all the species; glossary, bibliography.

DORMON, CAROLINE. *Forest trees of Louisiana*. [rev. ed.] 87 p., illus., 23 cm. [New Orleans], La. Dept. of Conserv., 1941. (1st ed. 1928, not materially different.) (Free.)

Descriptions and figures of the commoner or commercially valuable forest trees.

——— *Wild flowers of Louisiana including most of the herbaceous wild flowers of the Gulf States, with the exception of mountainous regions, and the sub-tropical portions of Florida and Texas*. 172 p., 38 fig., 24 col. pl., 24 cm. Garden City, N. Y., Doubleday, Doran & Co., 1934. (Out of print.)

Brief descriptions of a considerable number of common or conspicuous plants, with many colored plates or line drawings. Reissued in somewhat condensed form, without colored plates, as *Wild flowers of Louisiana*. 160 p., illus., 18 cm. New Orleans, La. Dept. of Conservation, 1942. (Out of print.)

McKEAN, ALEXANDER S. Louisiana trees. 60 p., illus., 23 cm. Baton Rouge, La. State Univ. and Agr. and Mech. Col., Div. Agr. Ext. (Ext. Pamphlet 1093, formerly Ext. Cir. 191), 1951. (1st ed. 1939.) (Free.)

Descriptions and figures of the commoner or commercially valuable trees; systematic list of Louisiana trees, list of native woody plants suggested for landscaping.

Maine

HYLAND, FAY. The conifers of Maine. 20 p., illus., 23 cm. Orono, Univ. Maine Col. Agr. Ext. Serv. (Ext. Bul. 345), 1946 (reprinted 1949). (Free.)

Descriptions and figures of native conifers (16 species), with key.

OGDEN, EDITH B. The ferns of Maine. Maine Bul. vol. 51, No. 3. 128 p. incl. 10 pl., map, 23 cm. Orono, Univ. Maine (Studies, ser. 2, No. 62), 1948. (\$1.00)

Physiography, uses of ferns, etc.; technical systematic treatment of true ferns (and *Marsilea*), with citation of localities and figure of each species; bibliography.

PEIRSON, HENRY B. Forest trees of Maine. 7th ed. 88 p., illus., 23 cm. Augusta, Maine Forest Serv., 1951. (1st ed. 1907.) (Free.)

Descriptions and figures of most of the forest trees.

WHERRY, EDGAR T. Wild flowers of Mount Desert Island, Maine. 164 p., 100 fig., 2 col. pl., 25 cm. Mount Desert, Garden Club, 1928. (Sherman's Book and Stationery Store, Bar Harbor, \$1.50 plus postage.)

Geology, etc.; running mention of about 500 ferns and flowering plants arranged by families, with photographs of about 100, but no descriptions; systematic list of families and species.

Maryland

KAYLOR, JOSEPH F. Trees of Maryland. 23 p., 48 fig., 23 cm. Solomons, Dept. of Research and Education (Educ. Ser. No. 12), 1946. (State Board of Natural Resources, Annapolis, free.)

Figures of 47 important trees, with brief notes on bark, etc.

MARYLAND. DEPARTMENT OF FORESTRY. Forest trees of Maryland. How to know them. 2d ed. 100 p., 89 fig., 23 cm. College Park, Univ. Md., State Dept. of Forestry, 1938. (1st ed. 1938.) (Out of print.)

Descriptions and figures of 89 native trees, mention of a few others; list of largest Maryland specimens of many species (including cultivated species).

Massachusetts

ALBERTSON, ALICE O. Nantucket wild flowers. 442 p., pls. (pt. col.), 17 cm. New York, Putnam, 1921. (Out of print.)

Descriptive account of a considerable number of selected species of seed plants arranged in systematic order, with notes on uses; key to families and to some genera.—See also RICE, MABEL A. *Trees and shrubs of Nantucket*. Descrip-

tions, identification keys, list of trees and shrubs. 77 p., 21.5 cm. Nantucket, Maria Mitchell Assoc., 1946. (History of tree growth on Nantucket, bibliography; keys to the native and cultivated trees and shrubs; list of species with location of growing specimens. 75 cents.)

CLARKE, DANIEL A. The commercial forest trees of Massachusetts. How you may know them. A pocket manual. 7th ed. 67 p., illus., 23 cm. Boston, Dept. of Conserv., 1935. (1st ed. 1907.) (State Forester, 15 Ashburton Pl., Boston, 10 cents.)

Descriptions and figures of about 49 trees. The so-called 7th edition differs essentially from the first only in the addition of balsam fir.

ILLICK, JOSEPH S. Common trees of Massachusetts. A handy pocket manual of the common [native] and introduced trees of Massachusetts. 110 p., 72 fig., 23 cm. Washington, Amer. Tree Assoc., 1927. (Out of print.)

Descriptions and figures of 72 trees (nearly all native), with mention of a few others.

Michigan

BILLINGTON, CECIL. Ferns of Michigan. 240 p. incl. illus. (incl. distribution maps), 16 pl., 23.5 cm. Bloomfield Hills, Cranbrook Inst. Sci. (Bul. 32), 1952. (\$4.00)

General considerations, including cultivation; keyed descriptive treatment of ferns and fern allies, with figure of each species and small map showing range.

——— Shrubs of Michigan. 2d ed. 339 p., 207 fig., 3 col. pl., maps, 23.5 cm. Bloomfield Hills, Cranbrook Inst. Sci. (Bul. 20), 1949. (1st ed. 1943.) (\$4.00)

Descriptive treatment of shrubs (207 species), with keys; figure and small map showing range for each species.

GLEASON, HENRY A. The plants of Michigan. Simple keys for the identification of the native seed plants of the state. 3d ed. 158 p., 22.5 cm. Ann Arbor, George Wahr, 1939. (Lithoprinted.) (1st ed. 1918.) (Out of print.)

Simple keys to families and species of seed plants.

ILLICK, JOSEPH S. Common trees of Michigan [cover title]. 86 p., about 75 fig., 23 cm. Lansing, Dept. of Conserv., [1939?]. (Out of print.)

Descriptions and figures of about 75 species of native or naturalized trees; mention of some others. Has same descriptive text and figures as his *Common trees of Michigan*. 108 p., illus., 23 cm. Washington, Amer. Tree Assoc., 1927. (Out of print.)

OTIS, CHARLES H. Michigan trees. A handbook of the native and most important introduced species. 9th ed. 362 p., illus., map, 19.5 cm. Ann Arbor, Univ. of Mich. Press, 1931 (rev. ed., 12th printing, 1950). (1st ed. 1913.) (\$1.50)

Descriptions and figures of the native and some introduced trees; supplementary notes on other species, key to principal woods based on anatomy with descriptions and figures.

SMITH, NORMAN F. Michigan trees worth knowing. [2d ed.] 60 p., illus., 29 cm. [Lansing], Dept. of Conserv., 1952. (1st ed. 1948.) (30 cents.)

Descriptive account of principal trees (34 species), with uses, forestry statistics, etc.

Minnesota

MINNESOTA. DEPT. OF CONSERVATION. *Trees of Minnesota. How to know them. A pocket manual. 4th rev. ed. 64 p., 51 fig. (incl. map), 19 cm. St. Paul, Dept. of Conserv., 1952. (1st ed. 1930.) (Free to residents.)*

Descriptions and figures of 50 native trees. Replaces MATTOON, W. R., and ANDERSON, PARKER. *Forest trees of Minnesota. 1930.*

MOYLE, JOHN B. *A field key to the common non-woody flowering plants and ferns of Minnesota, based largely upon vegetative characters. 5th rev. 72 p., illus. (in glossary), 27 cm. Minneapolis, Burgess Pub. Co., 1953. (Processed publication. 1st ed. 1938.) (\$2.00)*

Keys to more than 700 species based on simple characters.

ROSENDAHL, CARL O., and BUTTERS, FREDERIC K. *Guide to the ferns and fern allies of Minnesota. Minn. Plant Studies 3. 22 p., illus., front., 25 cm. Minneapolis, Univ. of Minn., 1909. (Out of print.)*

Keys, using a minimum of technical terms, with figure of each species.

——— and BUTTERS, FREDERIC K. *A guide to the spring flowers of Minnesota. 8th ed. 108 p. incl. illus., 28 cm. Minneapolis, Burgess Pub. Co., 1951. (1st ed. 1908, by Clements, F. E., Rosendahl, and Butters.) (\$2.50)*

Keys to all the native and commonly cultivated spring flowering seed plants, with short descriptions of the families and genera but not of the species.—See also CLEMENTS, FREDERIC E., ROSENDAHL, and BUTTERS. *Guide to the autumn flowers of Minnesota, field and garden. Minn. Plant Studies 5. 77 p., illus., 24.5 cm. Minneapolis, Univ. of Minn., 1913. (Similar treatment of flowers that are in bloom after September 1.) (Out of print.)*

——— and BUTTERS, FREDERIC K. *Trees and shrubs of Minnesota. 385 p., illus., 26 cm. Minneapolis, Univ. of Minn. Press, 1928. (\$3.00)*

Vegetational regions; descriptive treatment of native and cultivated woody plants (including vines), with figures of most of the species.

Mississippi

BATSON, FERRIS S. *An illustrated guide to identification and landscape uses of Mississippi native shrubs. 61 p., 60 fig. (incl. map). State College, Miss. Agr. Expt. Sta. (Bul. 369), 1942. [Offset-printed.] (Out of print.)*

Short descriptions and fairly recognizable photographs of 52 native shrubs, woody vines, and small trees considered to be of value in horticulture.

——— and JOHNSTON, GEORGE W. *Wild flowers of Mississippi. 60 p. incl. 64 fig., 23 cm. State College, Miss. Agr. Expt. Sta. (Bul. 417), 1945. (Free to residents, 25 cents for others.)*

Photographs and short descriptions of 62 common or conspicuous plants, alphabetically arranged by scientific names, with notes on transplanting to gardens; lists of the species grouped by season, exposure, soils, etc.

MATTOON, WILBUR R., and BEAL, JOHN M. *Forest trees of Mississippi. A pocket manual. 80 p., 78 fig., 23 cm. State College, Miss. State Col. [Ext. Serv.] (Ext. Bul. 32), 1936. (First issued 1925, with title Common forest trees of Mississippi.) (Out of print.)*

Descriptions and figures of 78 native trees.

THERRELL, JAMES S. Know your trees. 36 p., illus., 28 cm. State College, Miss. State Col. Ext. Serv. (Bul. 146), 1949. (Free.)

Descriptions and in most cases illustrations of 80 important trees, with simple key.

Missouri

MISSOURI. CONSERVATION COMMISSION. Forest trees of Missouri. 66 p., illus., 23 cm. Jefferson City, Mo. Conserv. Commission (Bul. 7), 1947. (First issued 1940 (?). Also numbered Bul. 20.) (10 cents.)

Short descriptions, mostly with figures, of over 100 native trees.

PECK, RALPH E. Forest appreciation. (Farm forestry I.) 93 p., illus., 23 cm. Columbia, Univ. Mo. Col. Agr., Agr. Ext. Serv. (4-H Club Cir. 45), 1935 (reissued 1940). [Offset-printed.] (Out of print.)

Includes descriptions and figures of about 60 common trees.

STEYERMARK, JULIAN A. Spring flora of Missouri. 582 p., illus., 23.5 cm. St. Louis, Mo. Botanical Garden, 1940. (Cloth \$3.00, paper \$2.00)

Manual of the plants in flower on or before June 1, with keys and short descriptions in nontechnical language.

Montana

See also Wyoming (McDougall and Baggley, Plants of Yellowstone National Park).

DRUMMOND, JOHN. Native trees of Montana. 44 p., illus., 22 cm. Bozeman, Mont. State Col. Ext. Serv. (Bul. 257), 1949. (Free.)

Brief descriptions, figures, and maps showing range of 34 trees, with key to the species.

ROBINSON, DONALD H. Trees and forests of Glacier National Park. 48 p., illus., 23 cm. [West Glacier], Glacier Nat. Hist. Assoc. (Special Bul. 4), 1950. (50 cents.)

Life zones, etc.; popular descriptions with photographs of nearly all the trees, followed by key to species.

SHARPE, GRANT W. 101 wildflowers of Glacier National Park. 40 p., 101 fig., 23.5 cm. [West Glacier], Glacier Nat. Hist. Assoc. (Special Bul. 5), 1952. (50 cents.)

Plant zones; descriptions and figures of 101 conspicuous or useful plants, grouped by color.

STANDLEY, PAUL C. Plants of Glacier National Park. 110 p., 150 fig., 5 col. pl., 23.5 cm. Washington, U. S. Govt. Printing Off., 1926. (Out of print.)

Treatment of the more conspicuous or interesting species, the grasses, sedges, rushes, willows, etc., mostly omitted; the plants arranged systematically, without keys and mostly with very brief descriptions. Publication of U. S. National Park Service.

WELLNER, CHARLES A. Native trees of Montana and northern Idaho. 43 p., illus., 20.5 cm. Missoula, U. S. Forest Serv., 1940. [Offset-printed.] (Out of print.)

Descriptions and figures of 36 common trees.

Nebraska

MAXWELL, EARL G. Tree identification manual. rev. ed. 22 p., illus., 27 cm. [Lincoln], Univ. Nebr. Col. Agr., Ext. Serv. (Ext. Cir. 1703), 1952. (First issued 1932.) (Free.)

Descriptions and figures of 38 native and cultivated trees.

POOL, RAYMOND J. Handbook of Nebraska trees. A guide to the native and most important introduced species. rev. [i. e. 3d] ed. 179 p., illus. (incl. maps), 22.5 cm. Lincoln, Univ. Nebr. Conserv. and Surv. Div. (Nebr. Conserv. Bul. 32), 1951. (1st ed. 1919.) (Free.)

Descriptions and figures of 78 trees, including some cultivated specie ; keys to genera and species, small maps showing range of 50 species. Scarcely changed from 2d edition except for corrections in scientific names.

Nevada

BILLINGS, WILLIAM D. Nevada trees. 102 p., illus., 3 pl., map, 23 cm. Reno, Univ. Nev. Agr. Ext. Serv. (Bul. 94), 1945. (Out of print; revision in preparation.)

Key to genera; annotated systematic list of native and introduced trees (177 species and varieties) with brief characteristics and range.

New Hampshire

FOSTER, JOHN H. Trees and shrubs of New Hampshire. 2d ed. 112 p., illus., 17.5 cm. Concord, Soc. for Protect. of N. H. Forests, 1941. (1st ed. 1931.) (Ext. Serv., Univ. of N. H., Durham, 20 cents.)

Short descriptions of native and principal cultivated trees and shrubs, with figures of many of them.

SCAMMAN, EDITH. Ferns and fern allies of New Hampshire. 96 p. incl. 18 full-page fig., 23 cm. Durham, N. H. Acad. Sci. (Bul. 2), 1947. (\$1.25)

Annotated list with keys and descriptive notes, and figures of most of the species; bibliography.

New Jersey

See also New York (Gleason, Plants of the vicinity of New York; Small, Ferns of the vicinity of New York).

CHRYSLER, MINTIN A., and EDWARDS, JAMES L. The ferns of New Jersey including the fern allies. 201 p. incl. 110 fig., 76 small maps, front., 23.5 cm. New Brunswick, Rutgers Univ. Press, 1947. (\$4.00)

Factors affecting local distribution, etc.; descriptive treatment of ferns and fern allies, with keys and for nearly all species one or two figures (usually habit photograph and photograph of part of a frond) and small map showing range; bibliography, glossary.

ILLICK, JOSEPH S. Common trees of New Jersey. 106 p., illus., 23.5 cm. Washington, Amer. Tree Assoc., 1926. (The 1927 ed. is essentially the same as to contents. 111 p., illus., 22.5 cm. Washington, Amer. Tree Assoc., 1927.) (Out of print.)

Descriptions and figures of about 75 common trees, including some introduced species, with mention of some other species.

New Mexico

LITTLE, ELBERT L., Jr. Southwestern trees. A guide to the native species of New Mexico and Arizona. U. S. Dept. Agr., Agr. Handbook 9. 109 p., illus., 23 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1950. (30 cents.)

Discussion of forests and vegetation types; descriptive list of native and naturalized trees (135 species), with drawing of distinctive parts of each species; bibliography.—See also his *Key to southwestern trees*. U. S. Forest Serv. Southwest. Forest and Range Expt. Sta. Res. Rpt. 8. 28 p., 27 cm. 1951. (Key based mainly on twigs, buds, and leaves. Mimeographed. Free from director, Intermountain Forest and Range Expt. Sta., Forest Serv., Ogden, Utah.)

WOOTON, ELMER O. Trees and shrubs of New Mexico. 159 p., illus., 21.5 cm. Las Cruces, N. Mex. Agr. Expt. Sta. (Bul. 87), 1913. (Out of print.)

Discussion of occurrence, uses, etc., of native woody plants grouped by families, and accompanied by keys.

New York

BROWN, HARRY P. Trees of New York state, native and naturalized. 401 p. (another issue in larger type, 433 p.), illus., map, 24 cm. Syracuse, N. Y. State Col. Forestry at Syracuse Univ. (Tech. Pub. 15), 1921. (Out of print.)

Descriptions and figures of 133 trees, including a few cultivated species, with keys; conspectus of families, with keys to genera and species; tree zones, explanation of generic and specific names.

COPE, JOSHUA A., and WINCH, FRED E., Jr. Know your trees. 77 p., illus., 23 cm. Ithaca, N. Y. State Col. Agr. (Cornell 4-H Club Bul. 85), 1948 (reissued 1951). (Free to residents, 15 cents for others.)

Descriptions and figures of 50 trees, with keys; directions for collecting specimens, etc.

GLEASON, HENRY A. Plants of the vicinity of New York. 2d ed. 198 p., 33 fig. New York, N. Y. Botanical Garden, 1947. (1st ed. 1935.) (\$2.00)

Unannotated flora in form of nontechnical keys; many of the grasses, sedges, pondweeds, etc. omitted. Covers most of Long Island to the east, north to the Hudson highlands, west to the New Jersey mountains, south to the pine barrens.

GRAVES, ARTHUR H., and RUSK, HESTER M. Guide to trees and shrubs based on those of Greater New York. Native, naturalized, and commonly cultivated exotic kinds. 4th printing. 76 p., 2 fig., map, 23.5 cm. Brooklyn, the authors (1000 Washington Ave.), 1949. (Earlier issues with title *A teaching guide to the trees and shrubs of Greater New York including the kinds most commonly seen in cultivation*. 1st ed. 1933.) (\$1.00)

List of parks and woodlands, with map (covers Manhattan, Bronx, Queens, Brooklyn, and Richmond); summer and winter keys to species; descriptive list of trees and shrubs; annotated bibliography.

HAMILTON, GEORGE H. Plants of the Niagara Parks system of Ontario. 233 p., illus., 4 col. pl., col. front., 26.5 cm. Toronto, Canada, Ryerson Press, 1943. (\$4.00)

Brief descriptions of many of the commoner species, with mention of others. The Parks system extends along the margin of the Niagara River from Lake Ontario to Lake Erie. Although written for Canadian readers, the book would apply as well to the New York side of the river.

ILLICK, JOSEPH S. Common trees of New York. A handy pocket manual of the common [native] and introduced trees of New York. 123 p., 86 fig., 22.5 cm. Washington, Amer. Tree Assoc., 1927. (Out of print.)

Descriptions and figures of 86 native and naturalized trees, with mention of some others.

MUENSCHER, WALTER C., and PETRY, LOREN C. Keys to spring plants. 5th ed., rev. 34 p., 20.5 cm. Ithaca, Comstock Pub. Co., 1946. (1st ed. 1928.) (50 cents.)

Keys to the commoner native plants and to some cultivated ones of the Cayuga Lake basin flowering before June 15, with a minimum of technical terms.

SMALL, JOHN K. Ferns of the vicinity of New York, being descriptions of the fern-plants growing naturally within a hundred miles of Manhattan Island. With notes. 285 p. incl. illus., map, 21 cm. Lancaster, Pa., Science Press, 1935. (Orange Judd Pub. Co., 15 East 26th St., New York, \$2.50.)

Botanical regions; technical systematic treatment of ferns and fern allies, with full-page figure of each species; tables of synonymy. Covers southeastern New York, all of Connecticut and New Jersey, and adjacent eastern Pennsylvania.

North Carolina

BLOMQUIST, HUGO L. Ferns of North Carolina. 131 p., illus., front., 23.5 cm. Durham, Duke Univ. Press, 1934. (Out of print.)

Treatment of ferns and fern allies with keys, brief descriptive notes, local range, and figures of nearly all the species.

——— and OOSTING, HENRY J. A guide to the spring and early summer flora of the Piedmont, North Carolina. 4th rev. ed. 155 p., 23 cm. Durham, the authors, 1948. (1st ed. 1934.) (Out of print.)

Keys to families, genera, and species, with comparatively simple characters. Covers the west-central part of the State, from about Warren County to Surry County, southwest to Anson and Polk Counties.

COKER, WILLIAM C., and TOTTEN, HENRY R. The trees of North Carolina. 106 p., 20 cm. Chapel Hill, the authors, 1916. (Out of print.)

Key to species in nontechnical language; annotated list of 167 native species of trees.

CURTIS, MOSES A. The shrubs and woody vines of North Carolina. 38 p. [Raleigh], N. C. Dept. Conserv. and Developm. (Bul. 46), [1946?] (10

cents.) (Reprinted from Geological and natural history survey of North Carolina. Part III. Botany. Trees, shrubs and woody vines. 1860.)

Annotated list of shrubs and woody vines, with brief characterization, notes on uses, etc.

HOLMES, JOHN S. Common forest trees of North Carolina. How to know them. A pocket manual. 6th ed. 88 p., 75 fig., 23 cm. Raleigh, N. C. Dept. of Conserv. and Developm., 1953. (1st ed. 1922.) (10 cents.)

Descriptions and figures of 75 native trees; list of less important trees and of some exotics.

WELLS, BERTRAM W. The natural gardens of North Carolina with keys and descriptions of the herbaceous wild flowers found therein. 458 p., 209 fig., front., 22 cm. Chapel Hill, Univ. of N. C. Press, 1932. (Out of print.)

Discussion of plant habitats and their characteristic species, native flowers for the garden; keys to the flowers of different habitats; brief descriptions of 495 species or genera, with keys to the species under many of the genera.

North Dakota

MOLBERG, JOHN M. Common trees and shrubs of North Dakota [cover title]. 31 p., 31 fig., 22 cm. Bottineau, N. Dak. School of Forestry, 1950. (Free to residents.)

Descriptions and poor photographs of 29 trees and shrubs; list of some other species.

STEVENS, ORIN A. Handbook of North Dakota plants. 324 p., 319 fig., col. pl., 24 cm. Fargo, N. Dak. Agr. Col., 1950. (N. Dak. Institute for Regional Studies, Fargo, \$4.50.)

Physiography, key to families; systematic treatment of ferns and flowering plants (1,143 species), with keys and brief descriptions using a minimum of technical terms, notes on uses, weedy properties, etc.

——— Wild flowers of North Dakota. [rev. ed.] 52 p., 38 fig., 22 cm. Fargo, N. Dak. Agr. Col. Ext. Serv. (Cir. 164), 1938. (1st ed. 1933.) (Out of print.)

Botanical regions, list of flowers arranged by date of blooming; brief descriptions, mostly insufficient for identification, of about 200 flowers arranged alphabetically by vernacular names.

Ohio

DEAN, FOREST W. Ohio trees. Together with a key to the classes, subclasses¹. . . , prepared by² L. C. Chadwick. [rev. ed.] 127 p., illus., 23 cm. Columbus, Ohio State Univ. Press,³ [n. d.]. (1st ed. 1937.) Campus Bookstore, Columbus, 60 cents.)

Historic and large trees, key to genera; annotated list of native and cultivated trees, with keys and short descriptions.

ILLICK, JOSEPH S. Common trees of Ohio . . . A handy pocket manual of the common [native] and introduced trees of Ohio. 108 p., 72 fig., 23 cm. Washington, Amer. Tree Assoc., 1927. (Out of print.)

Descriptions and figures of 72 trees, including some cultivated species, with mention of a few others.

KELLERMAN, WILLIAM A., GLEASON, HENRY A., and SCHAFFNER, JOHN H. Spring flora for beginners and amateurs . . . Being a new edition of W. A. Kellerman's Spring flora of Ohio, revised and extended so as to cover the area of Ohio, Indiana and adjacent states. 3d ed. 205 p., 19.5 cm. Columbus, Geo. W. Tohill, 1914. (1st ed. 1895.) (Out of print.)

Descriptive flora of spring plants, in simple language, with keys; key to the genera of woody plants based on twig and leaf characters.

MADISON, HAROLD L. Wild flowers of Ohio. 190 p. incl. illus., 17.5 cm. Cleveland, Cleveland Mus. Nat. Hist. (Pocket Nat. Hist. No. 7), 1938. (\$1.50)

Small figures and very brief descriptive notes on 825 flowering plants. The trees, omitted in this volume, are covered in his *Trees of Ohio and of northeastern North America*. 3d ed. 31 p. incl. illus., 17 cm. Cleveland Mus. Nat. Hist. (Pocket Nat. Hist. No. 1), 1935. (1st ed. 1922.) (Out of print.)

SCHAFFNER, JOHN H. Field manual of the flora of Ohio and adjacent territory. 638 p., 17.5 cm. Columbus, R. G. Adams Co., 1928. (Out of print.)

Unannotated flora of vascular plants of Ohio and (unspecified) adjacent regions, in form of keys, with descriptions of the genera; keys to the genera of woody plants based on other than flowering characters.

WOLFE, JOHN N., and others. Guide to Ohio plants. A teaching manual of vascular plants for use in field and laboratory. 266 p. incl. illus., 28 cm. Columbus, Long's College Book Co., 1952. [Offset-printed.] (\$2.75)

Keyed flora consisting mostly of the commoner native and cultivated plants, with descriptions of families and genera or of species in monotypic genera.

Oklahoma

FEATHERLY, HENRY I., and RUSSELL, CLARA E. The ferns of Oklahoma. rev. ed. 24 p., 42 fig., pl., 21 cm. Stillwater, Okla. Agr. Expt. Sta. (Cir. 80), 1939. (1st ed. 1934.) (Out of print.)

Key to species; short descriptions, each with small figure, and local distribution of the true ferns of the State.

PHILLIPS, GEORGE R., GIBBS, FRANK J., and MATTOON, WILBUR R. Forest trees of Oklahoma. How to know them. A pocket manual. 5th ed. 135 p., illus. (incl. map), 23 cm. Oklahoma City, Div. of Forestry, 1939. (1st ed. 1927, by Mattoon and Phillips.) (10 cents.)

Descriptions and illustrations of 96 trees, mention of 90 others; bibliography, etc.

STEMEN, THOMAS R., and MYERS, WILLIAM S. Spring flora of Oklahoma with key. 241 p., 17.5 cm. Oklahoma City, Harlow Pub. Co., 1929. (Out of print.)

Descriptive flora, with keys, containing 476 species of spring-flowering plants; intended for high-school students.

Oregon

See also Washington (Horner and Booth, Spring wild flowers of southeastern Washington and northeastern Oregon).

GILKEY, HELEN M. A spring flora of northwestern Oregon. 153 p., illus., 19.5 cm. [n. p.], 1929. (Out of print.)

Key to species; descriptive flora in nontechnical language of most of the common plants blossoming before July in the region west of the Cascades, from the southern boundary of Lane County to the Washington border.

ROSS, CHARLES R. Trees to know in Oregon. 80 p., illus., 23 cm. Corvallis, Ore. State Col. Ext. Serv. (Bul. 697), 1950. (Free.)

Descriptions, figures, and maps showing range of the more important native and introduced trees, with uses, dimensions of large trees (p. 37), etc.

SWEETSER, ALBERT R. Common wild flowers of Crater Lake National Park. Oregon Out of Doors 1 (2): 29-58, 24 fig., 16 cm. 1922. (Out of print.)

Brief descriptions of some of the more conspicuous flowers, in part with figures (photographs).

UNIVERSITY OF OREGON. A popular description of the common Oregon ferns. A contribution from the herbarium of the University of Oregon. 27 p. incl. illus., 22.5 cm. Eugene, Univ. Ore. (Bul., new ser. vol. 11, No. 2), 1913. (Out of print?)

Illustrated key to genera; brief keys to species of true ferns, most of which are illustrated by photographs.

WINKENWERDER, HUGO, and WANGAARD, FREDERICK F. Short keys to the native trees of Oregon and Washington. [rev. ed.] 19 p., 18 cm. Seattle, Imperial Pub. Co., 1939. (1st ed. [1914 or earlier], by Winkenwerder.) (College of Forestry, University of Washington, 25 cents.)

Keys to genera and species based on simple characters.

Pennsylvania

See also New York (Small, Ferns of the vicinity of New York).

CANAN, ELSIE D. A key to the ferns of Pennsylvania. Includes a key for identification of each of the fifty-nine species found in the state; directions for use of the key; an outline for aid in identification of ferns by sterile fronds alone; distribution of ferns through the State; and a list of ferns found in the vicinity of Johnstown, Cambria County. 112 p. incl. 61 pl., 21 cm. Lancaster, Science Press, 1946. (The author, 1023 Menoher Blvd., Johnstown, Pa., \$1.50.)

Annotated key to true ferns, with full-page figure of each species; additional key based on sterile fronds, etc.

GRESS, ERNEST M. Common wild flowers of Pennsylvania. 113 p., illus., 20.5 cm. Altoona, Times Tribune Co., 1928. (The author, Camp Hill, Pa., \$1.25.)

Descriptions, with notes on pollination, seed dispersal, etc., of a representative selection of common plants, in nearly all cases with a figure (photograph).

GRIMM, WILLIAM C. The shrubs of Pennsylvania. 522 p. incl. illus., front., 27.5 cm. Harrisburg, Stackpole Co., 1952. (\$5.00)

Annotated, keyed, descriptive treatment of native shrubs, with figure of each species and mention of uses.

——— The trees of Pennsylvania. 363 p. incl. illus., front., 27.5 cm. New York and Harrisburg, Stackpole & Heck, 1950. (Stackpole Co., \$5.00.)

Annotated, keyed, descriptive treatment of native and commoner cultivated trees, with full-page figure of each species and mention of uses.

HOPKINS, LEWIS S. The ferns of Allegheny County, Pennsylvania, their haunts and habits and something of their folklore. 130 p. incl. 57 fig. (almost all full-page), 16.5 cm. Pittsburgh, Bot. Soc. West. Pa. (Pub. 3), 1914. (Botanical Society of Western Pa., at Carnegie Museum, Pittsburgh, \$2.50.)

Short descriptions with illustrations (almost all photographs) of ferns and fern allies.

ILLICK, JOSEPH S. Pennsylvania trees. 237 p., 128 fig. (on pls.), 129 pl., 23.5 cm. [Harrisburg], Pa. Dept. Forests and Waters (Bul. 11), 1928. (Reprint of 5th ed., 1925; 1st ed. 1914.) (Out of print.)

General account of forests and forestry, tree structure, historic trees of the State, large trees, etc.; descriptive account of native trees, with keys, and plate of each species (about 110). The figures illustrate tree trunks to show bark, large trees, etc. One of the most complete of State tree books.

PENNSYLVANIA. DIVISION OF FOREST RESEARCH. Common trees of Pennsylvania [cover title]. 55 p., illus., 23 cm. [Harrisburg], Pa. Dept. of Forests and Waters, 1952. (Free.)

Descriptions and figures of 54 common trees, including 4 introduced species.

PERRY, GEORGE S. The common trees and shrubs of Pennsylvania, native and introduced. rev. ed. 127 p., 31 fig., front., 19 cm. Harrisburg, Pa. Dept. Forests and Waters (Bul. 33), 1932. (1st ed. 1924.) (Out of print.)

Key to genera; brief descriptions of 272 trees and shrubs, in systematic order.

South Carolina

ROSENKRANS, DUANE B., and others. Common trees of South Carolina. [rev. ed.] 121 p., illus., map, 23 cm. Clemson, Clemson Agr. Col. of S. C.; and Columbia, State Commission of Forestry, 1944. (1st ed. 1923, by Mattoon, W. R., and Rosenkrans, D. B.) (25 cents.)

Descriptions, mostly with figures, of about 100 trees.

South Dakota

OVER, WILLIAM H. Wild flowers of South Dakota. Describing and illustrating fifty-two common wild flowers of South Dakota. 62 p., illus., 23 cm. Vermillion, Univ. of S. Dak., 1942. (35 cents.)

Brief descriptions and photographs of common wild flowers arranged more or less by date of flowering. The numbers assigned to the figures are meaningless.

Tennessee

ANDERSON, WILLIAM A., Jr. The ferns of Tennessee. 40 p., 13 fig., 23 cm. Knoxville, Univ. Tenn. (Record, Extension Series, vol. 6, No. 1), 1929. (Out of print.)

Key to species; annotated list of true ferns, with brief and rather vague descriptions.

BILLINGS, WILLIAM D., CAIN, STANLEY A., and DREW, WILLIAM B. Winter key to the trees of eastern Tennessee. Jour. South. Appalachian Bot. Club 2: 29-44. 1937. (Out of print.)

Unannotated key (including some cultivated species) based on simple characters, primarily those of buds and twigs.—See also SHANKS, ROYAL E., and SHARP, AARON J. *Summer key to the trees of eastern Tennessee*. Jour. Tenn. Acad. Sci. 22: 114-133, illus. (in glossary). 1947. (Similar key based mainly on leaves; out of print.) Revised and reissued as *Summer key to Tennessee trees*. 24 p., illus. (on inner cover pages), 21.5 cm. Knoxville, Univ. Tenn. Dept. of Botany (Contributions, new ser. No. 124), 1950. (35 cents.)

CATON, J. L., *publ.* Wild flowers of the Great Smokies and surrounding area. A pictorial guide [cover title]. 119 p., illus., 23.5 cm. Knoxville, J. L. Caton, 1940. (Out of print.)

Contains over 350 small and not always recognizable photographs (usually 3 to a page) of common or conspicuous plants, arranged by the months in which they flower, with short descriptions.

MADDOX, RUFUS S. Common forest trees of Tennessee. How to know them. A pocket manual. 10th ed., rev. 80 p., illus., 22.5 cm. Nashville, Tenn. Dept. Conserv., 1938. (1st ed. 1922.) (Out of print.)

Descriptions and figures of 78 common native trees.

WATKINS, RICHARD W., BAILEY, JAMES L., and CALDWELL, JOHN C. Forest trees and forest facts of Tennessee. 5th printing. 79 p., illus., 23 cm. Nashville, Tenn. Dept. Conserv. (Educ. Pub. No. 6), 1951. (15 cents.)

General features of forests; illustrations, keys, brief notes on uses, and very slight descriptions of the more common or important native trees; scientific names given in index.

Texas

LEWIS, ISAAC M. The trees of Texas. An illustrated manual of the native and introduced trees of the state. 169 p., 53 fig., 23 cm. Austin, Univ. Tex. (Bul. 1915, No. 22), 1915. (Out of print.)

General considerations, key to genera; briefly descriptive treatment of native or spontaneously growing trees, with keys to the species.

McDOUGALL, WALTER B., and SPERRY, OMER E. Plants of Big Bend National Park. 209 p., 191 fig., 23.5 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1951. (\$1.00)

Popular treatment, with partial keys and very brief descriptions. Publication of U. S. National Park Service.

MACKENSEN, BERNARD. The trees and shrubs of San Antonio and vicinity. A handbook of the woody plants growing naturally in and about San Antonio, Texas. 51 p., 11 fig., 19.5 cm. San Antonio, the author, 1909. (Out of print?)

Plant formations, etc.; annotated list of woody plants, with brief diagnostic characters and uses.

SCHULZ, ELLEN D. (later Mrs. Roy W. Quillin). 500 wild flowers of San Antonio and vicinity. 272 p., illus. (in glossary), 21 pl., map, 19.5 cm. San Antonio, the author, 1922. (The author, Witte Museum, San Antonio, \$5.00.)

Account of topography, climate, plant distribution, etc.; descriptions of about 500 species of flowering plants, arranged by families, with key to genera, and notes on uses.

——— Texas wild flowers. A popular account of the common wild flowers of Texas. 505 p., illus., 4 col. pl., 19.5 cm. Chicago, Laidlaw Bros., 1928. (Laidlaw Bros., 36 Chatham Rd., Summit, N. J., \$3.60.)

Account of the common flowering plants, with descriptions, field characteristics, habitat, notes on uses, etc., the plants arranged in systematic order, with keys.

——— and RUNYON, ROBERT. Texas cacti. A popular and scientific account of the cacti native of Texas. 181 p., illus., 23.5 cm. San Antonio, Tex. Acad. Sci. (Proceedings vol. 14), 1930. (Witte Museum, San Antonio, \$3.00.)

Cultivation, etc.; descriptive account in popular language, with keys, and figures (photographs) of many of the species; bibliography, list of local names, etc.

STILLWELL, NORMA. Key and guide to native trees, shrubs and woody vines of Dallas County. (Cover title, Key and guide to the woody plants . . .) 48 p., illus., 21.5 cm. Dallas, Boyd Printing Co., 1939. (McMurray's Bookshop, Dallas, Tex., 75 cents.)

Key to species, followed by annotated list with short descriptions (86 species); bibliography.

TEXAS FOREST SERVICE. Forest trees of Texas. How to know them. 5th printing. 140 p., illus., 22 cm. College Station, Tex. Forestry Assoc., 1946. (1st ed. 1928, by Mattoon, W. R., and Webster, C. B.) (25 cents.)

Botanical (tree) regions, etc.; descriptions and figures of 107 trees; brief mention of some other trees and shrubs.

VINES, ROBERT A. Native east Texas trees. 2d ed. 131 p. incl. illus., 27.5 cm. Houston, 1953. (Offset-printed.) (1st ed. 1953.) (The author, P. O. Box 8175, Houston, \$3.50.)

Descriptive treatment including all the native and some introduced or cultivated trees growing east of a line from Harris County north to Lamar County, with figures of most of the species (by Sara K. Arendale).

WHITEHOUSE, EULA. Texas flowers in natural colors. 2d ed. 212 p., illus. (in glossary), about 179 col. fig., map, 21 cm. Dallas, the author, 1948. (1st ed. 1936.) (Out of print.)

Colored figures illustrating 257 species, with descriptions; finding lists based on flowering time, color, etc.

Utah

FLOWERS, SEVILLE. Ferns of Utah. 87 p. incl. 164 fig., map, 25.5 cm. Salt Lake City, Univ. Utah (Bul. vol. 35, No. 7; Biol. Ser. vol. 4, No. 6), 1944.

General considerations; descriptive treatment of ferns and fern allies, with keys, citation of collections, and figures of nearly all the species.

GARRETT, ALBERT O. Spring flora of the Wasatch region. 5th ed. 244 p. (p. 241-244 blank), 19.5 cm. Salt Lake City, Stevens & Wallis, 1936. (1st ed. 1911.) (Out of print?)

Descriptive flora covering plants flowering by June 21, with keys, intended for amateur use; covers eastern edge of Great Basin south to Manti.

PRESNALL, CLIFFORD C., and PATRAW, PAULINE M. Plants of Zion National Park. Zion-Bryce Mus. Bul. No. 1. 69 p., illus., 21 cm. Zion Natl. Park, Natl. Park Serv., 1937. [Offset-printed.] (50 cents.)

Zones of plant growth; annotated list of ferns and flowering plants with brief descriptive notes.

Vermont

BURNS, GEORGE P., and OTIS, CHARLES H. The trees of Vermont. 244 p., illus., 8 pl., front., 23.5 cm. Burlington, Vt. Agr. Expt. Sta. (Bul. 194), 1916. (Out of print.)

Descriptions and figures of native trees, with summer and winter keys; structure and identification of common lumbers, with key and figures.

JONES, LEWIS R., and RAND, FREDERICK V. Vermont shrubs and woody vines. p. 49-119, illus., 22 cm. Burlington, Vt. Agr. Expt. Sta. (Bul. 145), 1909. (Out of print.)

Key to species; short descriptions of native shrubs and woody vines, with figures of many of the species.

Virginia

MASSEY, ARTHUR B. The ferns and fern allies of Virginia. 110 p., 21 fig., 22.5 cm. Blacksburg, Va. Polytechnic Inst. (Bul. vol. 37, No. 7), 1944. (Out of print.)

General considerations; descriptions of ferns and fern allies, in only slightly

technical language, with citation of specimens and illustrations of most of the species.

MERRIMAN, PAUL R. Flora of Richmond and vicinity (exclusive of grasses, sedges and trees). 353 p., 54 fig., 19 cm. Richmond, Va. Acad. of Sci., 1930. (Committee on Virginia Flora, Box 95, Blacksburg, \$1.00.)

Descriptive flora of about 700 ferns and flowering plants, mostly from Henrico and Chesterfield Counties, with keys, and figures of more than half the species.

VIRGINIA. FOREST SERVICE. Common forest trees of Virginia. How to know them. A pocket manual. 12th ed. 68 p., 68 fig., 23 cm. Charlottesville, Va. Forest Serv., 1948. (1st ed. 1922, by Chapin Jones.) (Free.)

Descriptions and figures of 62 common trees.

Washington

See also Oregon (Winkenwerder and Wangaard, Short keys to the native trees of Oregon and Washington).

BROCKMAN, CHRISTIAN FRANK. Flora of Mount Rainier National Park. 170 p., 104 fig., 23.5 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1947. (75 cents.)

Short descriptions of the more common or characteristic ferns and flowering plants, with keys, account of plant zones, glossary, bibliography, etc. Publication of U. S. National Park Service.—See also his *Ferns of Mt. Rainier National Park*. Mount Rainier Natl. Park Nature Notes vol. 15, No. 1. 44 p., illus. 1937. [Mimeographed.] (Annotated descriptive account of ferns and fern allies. Copy lent by Mr. Brockman.) —Also his *Trees of Mount Rainier National Park*. 49 p., illus., 23.5 cm. Seattle, Univ. of Washington Press, 1949. (Descriptive treatment of trees, with key. 75 cents.) —Also FLETT, JOHN B. *Features of the flora of Mount Rainier National Park*. 48 p., 39 fig., 23 cm. Washington, U. S. Govt. Printing Off., 1922. (Running account of the more common or conspicuous plants, arranged by altitudinal zones. Publication of U. S. National Park Service. 1st issue 1916. Out of print.)

FRYE, THEODORE C., and JACKSON, MABEL M. The ferns of Washington. *Amer. Fern Jour.* 3: 65-83, 97-108, pl. 1-4, 6-8. 1913; 4: 6-14, 41-57, pl. 9-21. 1914.

Treatment of ferns and fern allies with short descriptions, and illustration of each species (except in *Isoetes*); local ranges are not given.

HORNER, CHESTER E., and BOOTH, ERNEST S. Spring wild flowers of southeastern Washington and northeastern Oregon. 172 p. incl. illus., 23 cm. Walla Walla, Wash., Walla Walla Col., Dept. Biol. Sci. (Pub. vol. 3, No. 1). 1953. (Plastic cover \$2.75, cloth \$3.75.)

Keyed, descriptive flora of ferns and flowering plants, using very few technical terms and with figures of most of the species.

MOSHER, MILTON M., and LUNNUM, KNUT. Trees of Washington. rev. ed. 40 p., illus., 28 cm. Pullman, State Col. Wash. Ext. Serv. (Ext. Bul. 440), 1953. (1st ed. 1951.) (Free.)

Descriptions and figures of 32 common trees.

West Virginia

AMMONS, NELLE. Shrubs of West Virginia. 127 p. incl. illus., 23 cm. Morgantown, W. Va. Univ. (Bul. ser. 50, No. 12-4), 1950. (The Herbarium, W. Va. Univ., free.)

Descriptive treatment, with figure of each species, and keys; bibliography.

BROOKS, ALONZO B. West Virginia trees. 242 p., illus., 23 cm. Morgantown, W. Va. Agr. Expt. Sta. (Bul. 175), 1920 (reissued 1951). (Free.)

Descriptions and figures of 101 native trees, with keys; list of native shrubs and woody vines, with localities.

BROOKS, MAURICE G. The pteridophytes of West Virginia. 60 p., 16 pl., 23 cm. Morgantown, W. Va. Univ. (Bul. ser. 39, No. 2), 1938. (Out of print.)

Descriptive treatment of ferns and fern allies, with keys and local range, and figures of nearly all the species.

CORE, EARL L. Spring wild flowers. 100 p. incl. illus., 23 cm. Charleston, W. Va. Conserv. Commission, 1948. (25 cents.)

Descriptions and figures of over 250 spring wild flowers, arranged in systematic order.

——— and AMMONS, NELLE. Woody plants of West Virginia in winter condition. 124 p., illus., front. (map), 20.5 cm. [Morgantown], W. Va. Univ., 1946. (Lithoprinted.) (Book Exchange, Morgantown, \$2.00.)

Keys to and short descriptions of 307 trees, shrubs, and woody vines, based on twig and fruit characters.

WEST VIRGINIA. CONSERVATION COMMISSION. Common forest trees of West Virginia. How to know them. 4th ed. 112 p., 101 fig., 15.5 cm. Charleston, W. Va. Conserv. Commission, 1951. (1st ed. 1935, by Griffin, Daniel B., and Shawhan, Hubbard W.) (25 cents.)

Descriptions and figures of 101 native trees.

Wisconsin

CLOHISY, MATT. Wisconsin trees. 148 p., illus., 20 cm. Milwaukee, Milwaukee Journal, 1927. (Out of print.)

Descriptions and figures of native and cultivated trees, with notes on uses, famous trees, etc., in the State and elsewhere.

——— Wisconsin wild flowers. 122 p., illus., 19 cm. Milwaukee, Milwaukee Journal, 1926. (Out of print.)

Short descriptions with notes on uses, etc., and text figures of numerous plants, grouped according to season. (Copy seen in library of Mass. Hort. Soc.)

FASSETT, NORMAN C. Spring flora of Wisconsin. A manual of plants growing without cultivation, and flowering before June 15. [3d issue.] 178 p., 416 fig., 19.5 cm. Madison, the author, 1947. (First issued 1931.) (Essentially out of print; to be republished.)

Directions for collecting, key to families; flora of spring flowering plants, with simple keys and short descriptions.

MARSHALL, RUTH. Ferns of the Dells of the Wisconsin River. 61 p. incl. 27 fig., 15 x 17.5 cm. [n. p.], the author, 1910. (Out of print?)

Photographs and descriptions of 27 true ferns. The area is near Kilburn, Sauk County.

TRYON, ROLLA M., Jr., and others. The ferns and fern allies of Wisconsin. 2d ed. 158 p., 215 fig., pl., 76 small maps, 25.5 cm. Madison, Univ. of Wis. Press, 1953. [Offset-printed.] (1st ed. 1940.) (\$3.50)

Treatment of all the known species and varieties, with keys, comparatively short and simple descriptions, one or more figures (photographs) of each species, and small maps showing range.

WILSON, FREDERICK G. Forest trees of Wisconsin. How to know them. rev. ed. 64 p., 56 fig., 22 cm. Madison, Wis. Conserv. Dept. (Pub. 507), [n. d.]. (1st ed. 1928.) (Free.)

Description and figures of 56 species, all but one native.

Wyoming

See also Colorado (Nelson, Plants of Rocky Mountain National Park; United States Forest Service, Trees native to the forests of Colorado and Wyoming).

EDMONDSON, WILLIAM O. Trees and shrubs of Wyoming. 48 p., illus., 28 cm. Laramie, Univ. Wyo. Col. Agr., Agr. Ext. Serv. (4-H Club Cir. G-34), 1937. [Processed.] (Free to residents.)

Descriptions and figures of numerous trees and shrubs.

McDOUGALL, WALTER B., and BAGGLEY, HERMA G. Plants of Yellowstone National Park. 160 p., illus., col. pl., 23.5 cm. Washington, U. S. Govt. Printing Off. (Supt. of Doc.), 1936. (75 cents.)

Popular treatment, with simple keys and brief descriptive notes, intended to cover all the species in the park. Publication of U. S. National Park Service. Less complete works are: HAWKINS, PLINY H. *The trees and shrubs of Yellowstone National Park* . . . 125 p., illus., 15.5 cm. Menasha, Wis., Geo. Banta Pub. Co., 1924. (Very informal descriptions, account of uses, etc. Out of print); THONE, FRANK E. A. *Trees and flowers of Yellowstone National Park*. 90 p., illus., 6 pl., front., 17 cm. Yellowstone Natl. Park, Haynes Picture Shops, 1923. (Popular account of the more conspicuous woody and herbaceous plants. Out of print?)

NELSON, AVEN. The trees of Wyoming and how to know them. p. 57-110, illus., 22 cm. Laramie, Wyo. Agr. Expt. Sta. (Bul. 40), 1899. (Out of print.)

Annotated list of native trees and of some native shrubs, with short descriptions and notes on uses.

NELSON, ELIAS E. The shrubs of Wyoming. 47 p., illus., 5 pl., 22 cm. Laramie, Wyo. Agr. Expt. Sta. (Bul. 54), 1902. (Out of print.)

List of native shrubs, with brief descriptive notes.

PORTER, CEDRIC L. A spring flora of the Laramie area. [[rev. ed.]] 54 p., illus. (in glossary), 22.5 cm. Laramie, Rocky Mountain Herbarium, 1949. [[Offset-printed.]] (1st ed. 1942.) (University Bookstore, Laramie, 40 cents plus postage.)

Keys to families, genera, and species of spring flowers and pteridophytes, with a minimum of technical terms.

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