Informational Memorandum

To: Washington Office and All Field Offices

From: Assistant Director, Resource Studies

Subject: The "1967-1968 List of Plant Manuals and Checklists for Use in the National Park Service," and related items

FO 17-65, which is still in effect, transmitted the Plant Name Standards developed as the result of a study of plant name standards in the National Park Service. The new Standards formed "ATTACHMENT C" to that FO, a reprint of which is enclosed. These standards will later be incorporated in the "It's To Be Published" Handbook. Numbered paragraphs 1 and 2 of the Standards complement each other; the intent of paragraph 2 being to assist Service employees in locating "the most recent, widely accepted . . . manual which adheres to the provisions of the International Code of Botanical Nomenclature . . . ." Paragraph 2 of the Standards calls for the biennial compilation of a list of plant manuals and checklists. The first such listing (also an enclosure to FO 17-65) expired on December 31, 1966, and the new list for 1967-1968 is enclosed for use in all National Park System areas.

As an aid to those attempting to keep this program current and reasonable in this Office, there is enclosed herewith a short questionnaire. We will appreciate returned replies (especially on item number 4), but I wish to make it understood that this is not a mandatory report. Replies should be addressed to the Director, Attention: Office of Natural Sciences.

The Department of Botany of the Smithsonian Institution has recently compiled two reference lists: (1) "Selected Guides to the Wildflowers of North America," and (2) "Floras of the United States, Canada and
Greenland." Also, Dr. Elbert L. Little, Jr., of the U. S. Forest Service has kindly permitted us to reproduce his "Bibliography of Trees and Shrubs of the United States (Identification)" as published in Bioscience 15(11): 743-744. With the thought that these lists will be helpful to park staffs, they have been reproduced and enclosed herewith.

Howard R. Stagner

Enclosures 6
Reference Map and Key
Plant Name Standards
Questionnaire
Bibliography of Trees and Shrubs of the United States (Identification)
Floras of the United States, Canada, and Greenland
Selected Guides to the Wildflowers of North America

This memorandum is informational and for record purposes is cancelled on December 13, 1968.
This is the second revised list of plant manuals and checklists that has been issued for use in the National Park Service. The first list had limited distribution and was for the period 1964 only. The 1965-1966 list followed as an attachment to FO 17-65, dated August 9, 1965. The new 1967-1968 list contains all corrections, additions, and deletions made known to this office during the intervening period. The most obvious changes have been in the General Continental listings for lichens and mosses (nos. 1 and 8); the appearance of the first volume (of three) concerning the liverworts (no. 7); and the appearance of the first volume (of five) covering the wildflowers of the United States. The latter promises to be a valuable source for common plant names (see item #24). The remainder of the changes are perhaps less spectacular, but important: the addition of a flora for the Carolinas, a reprinting of Hillebrand's 1888 Flora of the Hawaiian Islands, etc. Also some information--such as prices, publishers, etc.--has been added.

**CONTENTS**

Reference Map and Key ........................................... 11
General Continental (Numbers 1-24) ................................ 1
Northeastern United States (Numbers 25-35) ....................... 5
Southeastern United States (Numbers 36-48) ....................... 7
Central United States (Numbers 49-52) ........................... 9
Rocky Mountain, Intermountain and Great Basin States (Numbers 53-64) 10
Southwestern United States (Numbers 65-71) ...................... 11
Pacific United States (Numbers 72-80) ............................ 12
Alaska (Numbers 81-86) ........................................... 13
Hawaii (Numbers 87-96) ........................................... 14
Puerto Rico and Virgin Islands (Numbers 97-100) ............... 16

**WARNING:** Not all approved entries for a group of states can be used for a Park within that area. (Division into state groups is only for convenience in locating entries). Park staffs must choose the entry which best fits their area. Rarely, more than one entry should be used per area. Areas in close proximity (e.g., Yellowstone and Teton, Yosemite and Sequoia-Kings) should collaborate as much as possible to select the same entry for their standard.
REFERENCE MAP, LISTING PLANT MANUALS AND CHECKLISTS ACCEPTABLE FOR DERIVING
SCIENTIFIC AND COMMON PLANT NAMES FOR AREAS IN THE NATIONAL PARK SYSTEM (‘67-8)

Key to the Map, and Comments

The areas shown on the map are states or groups of states. Within each state,
or group of states, are numbers that refer to the approved manual or checklist
as listed in the 1967-1968 List of Plant Manuals and Checklists. Continental
and conterminous 48 State manuals and Checklists are indicated under those
headings (see the Atlantic Ocean).

Letters preceding numbers indicate: C=lichens, D=liverworts, E=mosses,
F=ferns and allies, G=grasses, H=trees, I=flowering plants (usually
other than grasses and trees), NO LETTER PREFIX = ferns and flowering
plants [unless F (ferns) are given separately].

Other Symbols:

c = (as a suffix) preferably a source for common names only.
i = an incomplete manual (because one volume is missing, etc.)
, = "and"
- = "or"
; = "and/or"
P = preferable (because major manual covering area is becoming old,
out-of-date, out-of-print, or the like).
+ = use when necessary (because the preferred manual may not contain
all species for this area).

Most major National Park Service areas are adequately covered by a good plant
manual. Complications develop in some areas, such as the following:

* The Southeastern states (except for the Carolinas) are covered by
Small's manual which is now over 30 years old. Therefore, use
Northeastern's manuals when possible, such as Fernald or Gleason
for Great Smokies, Blue Ridge, etc.

* The belt of states from South Dakota to Louisiana. Northeastern
manuals can be used for the majority of plants in all except
Louisiana, using neighboring state manuals as supplements as
indicated in parentheses. Louisiana plant names may be derived
from Gould (49) and/or Small (44).

* Nevada and Utah. Tidestrom's Flora was published in 1925 and
is now out-of-print. Therefore, it is desirable to use #67
for areas near Arizona, #58 for areas near Idaho, etc.

* New Mexico. Use #67 as much as possible, supplementing, when
necessary with Gould (49), and others depending upon location
in the State.

Should questions arise for which assistance is needed or wanted, contact the
Division of Natural Sciences, WASO. Comments concerning this list, and ap­
proved manuals contained therein, errors, etc., are also very welcome and
WANTED.
1967-1968 LIST OF PLANT MANUALS AND CHECKLISTS
FOR USE IN THE NATIONAL PARK SERVICE

*=Items approved for use as sources for Plant Names in the National Park Service. Unmarked items are generally for reference use only.

GENERAL CONTINENTAL

[Subdivisions A (algae) and B (fungi) omitted throughout.]

C. LICHENS


D. LIVERWORTS

*5. Evans, Alexander W. 1940. LIST OF HEPATICAE FOUND IN THE UNITED STATES, CANADA AND ARCTIC AMERICA. Bryologist 43(5):133-138. (10¢ from Dr. Lewis E. Anderson, Department of Botany, Duke University, Durham, N. C. 27706.)


[See also 12 below]
E. MOSSES


10. Grout, A. J. MOSSES WITH HAND-LENS AND MICROSCOPE. Published by the author, Newfane, Vt. (necessary in combination with No. 11 below.)


[Note re Nos. 9, 10, and 11 above: these are out-of-print and may be expensive when found in used bookshops, especially since, in order to be useful, they should all be used in combination. No. 9 may be used by itself if it can be found—it has a few common names, while the others do not. It is recommended that No. 12 below be used for the identification of mosses, until such time as a new moss flora of North America is published; this is expected within 3-5 years.]

[Note re common names of bryophytes: neither Nos. 5 nor 8 above list common names of the bryophytes involved. Usually the generic name will suffice for most popular presentations.]

12. Conard, Henry S. 1956. HOW TO KNOW THE MOSSES AND LIVERWORTS. Wm. C. Brown, Publishers, Dubuque, Iowa (spiralbound, $2.50; clothbound, $3.00)

G. GRASSES

GENERAL CONTINENTAL (continued)

H. TREES


GENERAL CONTINENTAL (continued)

I. FLOWERING PLANTS (Except for Grasses and Trees as listed above)


[Ordinarily this list will not contain "popular wildflower books" because they are generally very limited in scope. However, this work, of which only the first volume has been published to date, is not so limited. Some 1700 plants commonly known as "wildflowers" are described and illustrated with over 1200 color photographs in Volume 1. The content excludes "trees and shrubs, grasses, sedges, and rushes, and a number of unattractive weeds with small greenish flowers which are not likely to excite the interest of the amateur." Common names are given that appear to be quite reasonable. Since the group of plants covered is precisely that group for which we most often need common names, these volumes are recommended as a source for common names. Since the scientific names are accurate, they may also be used when applicable; however, the most recent regional manual is preferred for scientific names because the manual is more complete and because it is not likely that these wildflower volumes will be kept current with nomenclatorial changes. The first volume, in two parts, covering the Northeastern States, is cited under the Northeastern United States section of this list. As additional volumes are published (presumably about one volume per year—Southeastern States is now "in press"), they will be added to the list.]
D. LIVERWORTS


E. MOSSES

27. Welch, Winona H. 1957. MOSSES OF INDIANA. Indiana Dept. Cons., Div. of Forestry. (about $5.00)


F AND I. FERNS AND FLOWERING PLANTS


NORTHEASTERN UNITED STATES (Continued)

F AND I. FERNS AND FLOWERING PLANTS (Continued)


D AND E. LIVERWORTS AND MOSSES


F. FERNS

*38. Small, John K. 1938. FERNS OF THE SOUTHEASTERN STATES. Publ. by the author, Lancaster, Pa. (Orange Judd Publ. Co., 15 East 26th Street, N.Y.C.). (Use 39 or 46 below, where applicable.) ($3.50)


H. TREES


I. FLOWERING PLANTS

*44. Small, John K. 1933 (Reissued 1953). 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. Publ. by the author, N. Y. Reissued by Chapel Hill, the Univ. of North Carolina Press, Chapel Hill, N. C. (Use 45 and 46 where applicable.) (about $12.50)
1. FLOWERING PLANTS (Continued)

*45. Radford, A. E., H. E. Ahles, and C. R. Bell. 1964. GUIDE TO THE VASCULAR FLORA OF THE CAROLINAS. The Book Exchange, University of North Carolina, Chapel Hill. (Use in lieu of 44 above in the Carolinas.) ($6.30, hard cover; $3.95 paperbound)

*46. Lakela, Olga and Frank C. Craighead. 1965. ANNOTATED CHECKLIST OF THE VASCULAR PLANTS OF COLLIER, DADE, AND MONROE COUNTIES, FLORIDA. Fairchild Tropical Garden and University of Miami Press, Coral Gables, Fla. (for use in those 3 counties of South Florida only) (+$1.00)

*47. (Reserved for WILDFLOWERS OF THE UNITED STATES, Volume 2—The Southeastern States.) (See note under item *24.)

D. LIVERWORTS

26. (repeat of item under Northeastern United States)

F. FERNS

*see 49 and 50 below and 53 in Rocky Mountain section.
see 52 below.

I. FLOWERING PLANTS


50. Scoggan, H. J. 1957. FLORA OF MANITOBA. National Museum of Canada Bull. No. 140, Biological Series No. 47, Ottawa. ($5.00)


see also: Nos. 29 - 30 - 31 - 33 and 60.
ROCKY MOUNTAIN, INTERMOUNTAIN AND GREAT BASIN STATES

F. FERNS


see also items 58 through 64.

H. TREES AND WOODY PLANTS


55. Preston, R. J., Jr. 1940. ROCKY MOUNTAIN TREES. Iowa State College Press.

I. FLOWERING PLANTS

*56. Booth, W. E. 1950. FLORA OF MONTANA. PART I. CONIFERS AND MONOCOTS. University Bookstore, Montana State University, Bozeman. ($1.25)

*57. Booth, W. E. and J. C. Wright. 1966. FLORA OF MONTANA. PART II. DICOTYLEDONS. University Bookstore, Montana State University, Bozeman. ($3.75)

*58. Davis, Ray J. 1952. FLORA OF IDAHO. Wm. H. Brown Co., Dubuque, Iowa. ($8.00)


60. Moss, E. H. 1959. FLORA OF ALBERTA. Univ. of Toronto Press. (about $10.00)


SOUTHWESTERN UNITED STATES

F. FERNS

*see number 67.

H. TREES AND WOODY PLANTS

65. Benson, Lyman and Robert Darrow. 1954. THE TREES AND SHRUBS OF SOUTHWESTERN DESERTS. Univ. of New Mexico Press.


I. FLOWERING PLANTS


(*) Use 49 and/or 67 whenever possible.
PACIFIC UNITED STATES

F. FERNS

*see numbers 74, 76, and 78.

H. TREES AND WOODY PLANTS

72. McMinn, Howard E. 1939. ILLUSTRATED MANUAL OF CALIFORNIA SHRUBS. Univ. of Calif. Press, Berkeley. (Reprinted in 1951.)

73. Sudworth, George B. 1908. FOREST TREES OF THE PACIFIC SLOPE. Forest Service, USDA, Washington, D. C. (Still the paragon of information.)

I. FLOWERING PLANTS


*75. Hitchcock, C. Leo, Arthur Cronquest, Marion Owenby, J. W. Thompson, and Jeanne R. Janish. 1955-1964, and continuing. VASCULAR PLANTS OF THE PACIFIC NORTHWEST. Part 1, in preparation; Part 2, Salicaceae - Saxifragaceae ($15.00); Part 3, Saxifragaceae - Ericaceae ($13.50); Part 4, Ericaceae - Campanulaceae ($12.00); Part 5, Campositae ($7.50). Univ. of Washington Press, Seattle.


77. Mason, Herbert. 1957. FLORA OF MARSHES OF CALIFORNIA. Univ. of California Press, Berkeley. ($12.50)


ALASKA

H. TREES


[also see #86 below.]

F AND I. FERNS AND FLOWERING PLANTS


86. Raup, Hugh M. 1959. THE WILLOWS OF BOREAL WESTERN AMERICA. Contrib. Gray Herb., Harvard U., No. 185, pages 3-95. (37 species of Salix are listed, of which 7 are trees.)

HAWAII
F. FERNS

(also see under flowering plants below.)

G. GRASSES


H. TREES AND WOODY PLANTS


I. FLOWERING PLANTS

*92. Degener, Otto. 1932-Present. FLORA HAWAIENSIS... NEW ILLUSTRATED FLORA OF THE HAWAIIAN ISLANDS. Books 1 - 4 (one vol.), 2nd Ed. ($6.50); Book 5 ($5.00); Book 6, incomplete. Published by Dr. Otto Degener, Mokuleia Beach, Waialua, Oahu, Hawaii.

*93. Degener, Otto. 1945. PLANTS OF HAWAII NATIONAL PARK ILLUSTRATIVE OF PLANTS AND CUSTOMS OF THE SOUTH SEAS. Publ. by the author as above. (Paperbound, $3.50.)


I. FLOWERING PLANTS (Continued)

*96. Fosberg, F. Raymond. LIST OF PLANT NAMES FOR FIELD TRIP III. Mimeo by the author. (List of scientific names only. Not a complete list of Hawaiian flora, but corrects older works.)

**H. TREES**


**F AND I. FERNS AND FLOWERING PLANTS**


Questionnaire: Plant Manuals and Checklists for use in the National Park Service

1. Has your park been able to change over to the new Standards (FO 17-65, Attachment C) during the past two years? Yes____ No____. With real difficulty? Yes____ No____. Comments:

2. Have common plant names been difficult to come by under the new standards? Yes____ No____. If so, how have you solved?

3. Your comments and/or suggestions, if any:

4. For our records and information:
   a. Which plant manuals or checklists do you use as the standard reference in your park?
      (1) For "Scientific" names: ________________________________
          ________________________________
      (2) For "Common" names: ________________________________
          ________________________________
Bibliography

TREES AND SHRUBS OF THE UNITED STATES (IDENTIFICATION)
Elbert L. Little, Jr.
Forest Service U.S. Department of Agriculture, Washington, D.C.

I. General


II. Eastern


III. Western


BioScience November 1965 743


IV. Cultivated


V. Tropical


VI. Shrubs


VII. Identification in Winter


General Guides and Reference Works


Fernald, Merritt Lyndon, and Alfred Charles Kinsey. 1958. Edible wild plants of Eastern North America. Revised by Reed C. Rollins. Harper Brothers, Publishers, New York. 452 p. $6.95.--Without keys; with identification characters, habitat, range, season, and uses, as well as poisonous plants that can be mistaken for edible ones; also includes mushrooms, seaweeds, and lichens.

Unless otherwise stated, a given work has keys and descriptions but few or no illustrations and no range maps; it includes all vascular plants and the arrangement is taxonomic. The price (cloth) is given when known and books known to be out of print are indicated. The term "annotated," as used here, refers to notes on distribution, ecology, or taxonomy.
Graf, Alfred Byrd. 1963. Exotica 3. Roehrs Co., Rutherford, New Jersey. 1826 p. $45.00 (in 2 vol., $52.00).--11,300 photographs, mostly black and white, of ornamental plants of the world; without keys; brief descriptions of individual species; arrangement alphabetical by family.


Regional Floras


Fassett, Norman C. 1957. A manual of aquatic plants. With revision appendix by Eugene C. Ogden. University of Wisconsin Press, Madison. 405 p. $6.50.—Minnesota to Missouri eastward to Gulf of St. Lawrence and Virginia; generally without species descriptions, but with descriptive keys; illustrated; includes some algae, mosses, liverworts.

Fernald, Merritt Lyndon. 1950. Gray's manual of botany. 8th ed. American Book Co., New York. 1632 p. $15.00.—Northeastern United States and adjacent Canada; Minnesota to Newfoundland south to Missouri and Virginia; more technical than the following two works.


Small, John Kunkel. 1913. Flora of the Southeastern United States. 2nd ed. Published by the author, New York. 1394 p. Out of Print.--North Carolina to Florida and west to eastern Oklahoma and Texas. The only work covering Louisiana and Arkansas; states east of Louisiana covered better by next work.


Arctic and Subarctic North America


Hultén, Eric. 1941-1950. Flora of Alaska and Yukon. Lunds Univ. Arsskr. N. F. Avd. II. In parts I-X.--Includes Aleutian Islands and part of British Columbia; without keys to families or genera; no descriptions; annotations and specimen citations; range maps for each species.


**Northeastern United States and Adjacent Canada**


Marie-Victorin, Frère. 1935. Flore Laurentienne [Quebec]. Imprimerie de La Salle, Montreal. 917 p.--In French. Covers southern Quebec; illustrated; annotated.


Strausbaugh, P. D., and Earl L. Core. 1952-1964. Flora of West Virginia. Introd. and Pts. I-IV. West Virginia University, Morgantown. $15.00.--Illustrated.


Southeastern United States


Great Lakes States and Adjacent Canada


Soper, James H. 1949. The vascular plants of southern Ontario; a preliminary checklist. Department of Botany, University of Toronto, and Federation of Ontario Naturalists, Toronto. 95 p.--Without keys, descriptions, or annotations.

Central United States and Adjacent Canada


Lundell, Cyrus Longworth, and collaborators. 1955-continuing. Flora of Texas. Texas Research Foundation, Renner, Texas.--To be a 10 volume work, with individual parts covering individual families or groups; parts bound as they are published, rather than in taxonomic sequence of families. For complete information, write Stechert-Hafner, New York.


Shinners, Lloyd H. 1958. Spring flora of the Dallas-Fort Worth area, Texas. Published and sold by the author, Southern Methodist University, Box 473, Dallas 5, Texas. 514 p. $5.75.--Includes wild and some cultivated monocots and dicots growing within 50 miles of Dallas and Fort Worth and flowering between January 1 and the first week in June; with some illustrations.


Stevens, Orin A. 1963. Handbook of North Dakota plants. North Dakota Inst. for Regional Studies, Fargo. 324 p. $4.50. --Brief unpaged appendix has been added to the 1950 ed.

Waterfall, U. T. 1960. Keys to the flora of Oklahoma. Oklahoma State University, Stillwater. 243 p. $4.00, paper with spiral--Without species list or descriptions.


Rocky Mountain, Great Basin, and Southwestern States and Adjacent Canada


Pacific States and Adjacent Canada


Jones, George Neville. 1938. The flowering plants and ferns of Mt. Rainier. University of Washington Publ. in Biol. 7, 192 p. $3.50, paper.--Useful in Cascade Mountains and contiguous areas.


Hawaiian Islands

Degener, Otto. 1932-1965, continuing. Flora hawaiiensis, or the new illustrated flora of the Hawaiian Islands. Published by the author. Books 1-4 in one vol., ed. 2, $6.50; book 5, ed. 1, $5.00; book 6, ed. 1, (by Otto Degener and Isa Degener), no price; incomplete.--In loose-leaf form, unpaged; illustrated; without keys.

Degener, Otto. 1945. Plants of Hawaii National Park illustrative of plants and customs of the South Seas. Published by the author. 31 1/4 p. $3.50, paper.--Illustrated; without keys; an informative book in popular language.²


Rock, Joseph F. 1913. The indigenous trees of the Hawaiian Islands. Published under Patronage, Honolulu. 518 p.--Illustrated.

²This and the preceding work available from Dr. Degener, Mokuleia Beach, Waialua, Oahu, Hawaii.

October 1966
Selected Guides to the Wildflowers of North America

Compiled by Elaine R. Shetler

General Pictorial Reference Works

Graf, Alfred Byrd. 1963. Exotica 3. Roehrs Co., Rutherford, New Jersey. 1826 p. $45.00 (in 2 vols., $52.00).—Ornamental plants of the world; no keys; semi-technical descriptions; 11,300 photos, mostly b & w, some color.


1 All books listed are in print as of 1966. Unless otherwise indicated, books are liberally illustrated. Plates are listed only when they occupy unnumbered pages.
General Field Guides

Armstrong, Margaret. 1915. Field book of Western wild flowers. G. P. Putnam's Sons, New York. 596 p. + 48 color plates. $5.00.--Covers area west of Rockies; keys to families; semi-technical descriptions; b & w drawings, water colors. This book is a favorite, reprinted many times.

Cuthbert, Mabel Jaques. 1948. How to know the fall flowers. Wm. C. Brown Co., Dubuque, Iowa. 199 p. $2.75, cloth; $2.25, spiral.--Southern Canada and temperate U. S. east of Rockies; descriptive, technical keys; b & w drawings; range maps.

Cuthbert, Mabel Jaques. 1949. How to know the spring flowers. Rev. ed. Wm. C. Brown Co., Dubuque, Iowa. 194 p. $2.75, cloth; $2.25, spiral.--Southern Canada and temperate U. S. east of Rockies; descriptive, technical keys; b & w drawings; range maps.

Dawson, E. Yale. 1963. How to know the cacti. Wm. C. Brown Co., Dubuque, Iowa. 158 p. $2.75, cloth; $2.25, spiral.--Includes common species of U. S. and Caribbean Islands; descriptive, technical keys; b & w drawings and photos.


Jaques, H. E. 1949. Plant families: How to know them. 2nd ed. Wm. C. Brown Co., Dubuque, Iowa. 177 p. $2.75, cloth; $2.25, spiral.--Descriptive, technical keys; b & w drawings.


Arctic and Subarctic North America

Potter, Louise. 1962. Roadside flowers of Alaska. Published by the author, Thetford Center, Vermont. 590 p. $7.00, cloth; $6.00, paper.--Southcentral Alaska; keyed by flower color; semi-technical descriptions; b & w drawings.

Sharples, Ada White. 1938. Alaska wild flowers. Stanford University Press, Stanford, California. 156 p. $3.75.--Best for southeastern coastal region; no keys; popular descriptions; b & w photos.

Northeastern United States and Adjacent Canada


Newcomb, Lawrence. 1963. Pocket key to common wild flowers. New England Wild Flower Preservation Society, Boston, Massachusetts. 104 p. $2.00, paper.--Keyed by flower color and also by number combinations determined by characters of plant; no descriptions; no illustrations.


Southeastern United States


Craighead, Frank C. 1963. Orchids and other air plants of the Everglades National Park. University of Miami Press, Coral Gables, Florida. 126 p. + 8 color plates. $3.95, cloth; $2.00, paper.--Keys; popular descriptions; b & w drawings and photos, color photos.

Dormon, Caroline. 1958. Flowers native to the deep South. Claitor's Book Store, Baton Rouge, Louisiana. 176 p. + 33 plates. $7.50.--No keys; popular descriptions; b & w drawings, color plates.

Greene, Wilhelmina F., and Hugo L. Blomquist. 1953. Flowers of the South: Native and exotic. University of North Carolina Press, Chapel Hill. 208 p. + 25 color plates. $5.00.--No keys; popular descriptions; b & w drawings, color paintings.


Great Lakes States and Adjacent Canada

Case, Frederick W., Jr. 1964. Orchids of the western Great Lakes region. Cranbrook Institute of Science, Bloomfield Hills, Michigan. 147 p. + 32 plates. $7.00.—Keys; semi-technical descriptions; b & w, color photos; range maps.

Eifert, Virginia S. 1952. Flowers that bloom in the spring. 4th printing, rev. Illinois State Museum, Springfield. 48 p. $0.25, paper.—No keys; popular descriptions; b & w drawings.


Smith, Helen V. 1961. Michigan wildflowers. Cranbrook Institute of Science, Bloomfield Hills, Michigan. 465 p. + 17 color plates. $5.00.—Keys; semi-technical descriptions; b & w drawings, water colors.


Central United States and Adjacent Canada

Budd, A. C. 1957. Wild plants of the Canadian prairies. Experimental Farms Service, Canada Department of Agriculture Publ. 983, 348 p. $4.00, cloth.—Keys; semi-technical descriptions; some b & w drawings. [Order from The Queen’s Printer, Ottawa, Canada.]


Thompson, Eloise Reid. 1964. Wildflower portraits. University of Oklahoma Press, Norman. [100 p. + 100 color plates, unnumbered]. $15.00.--Central U. S., especially Texas; no keys, popular descriptions; water colors.

Wills, Mary Motz [paintings], and Howard S. Irwin [text]. 1961. Roadside flowers of Texas. University of Texas Press, Austin. 295 p. $5.75.--Keys; technical descriptions with popular notes; water colors.

---

Rocky Mountain, Great Basin, and Southwestern States and adjacent Canada


Dodge, Matt M. 1965. 100 desert wildflowers in natural color. 2nd ed. Southwestern Monuments Association, Globe, Arizona. [64 p., unnumbered]. $1.50, paper.--No keys; popular descriptions; color photos.


Pacific States and Adjacent Canada


Munz, Philip A. 1961. California spring wildflowers. University of California Press, Berkeley. 122 p. $4.95, cloth; $2.95, paper.—Grouped by flower color; no keys; semi-technical descriptions; b & w drawings, color photos.

Munz, Philip A. 1962. California desert wildflowers. University of California Press, Berkeley. 122 p. $4.95, cloth; $2.95, paper.—Grouped by flower color; semi-technical descriptions; b & w drawings, color photos.

Munz, Philip A. 1963. California mountain wildflowers. University of California Press, Berkeley. 122 p. $4.95, cloth; $2.95, paper.—Grouped by flower color; semi-technical descriptions; b & w drawings, color photos.


Young, Dorothy King. 1965. Redwood empire jewels. Naturegraph Publishers, Healdsburg, California. 80 p. $4.50, cloth; $2.95, paper.--California redwood areas; no keys; popular descriptions; color photos.

Hawaiian Islands

Hargreaves, Dorothy and Bob. 1958. Hawaii blossoms. Hargreaves Industrial, Portland, Oregon. 62 p. $3.50, cloth; $2.00, paper.--No keys; popular descriptions; color photos.


September 1966