THE UNIVERSITY OF NORTH CAROLINA
LIBRARY EXTENSION PUBLICATION
VOL. I OCTOBER, 1934 NO. 1

THE SOUTHERN GARDEN

A Study Course for Garden Clubs, First Series

WILLIAM LANIER HUNT

CHAPEL HILL MCXXXIV
THE UNIVERSITY OF NORTH CAROLINA PRESS

EXTENSION BULLETINS

BIOGRAPHY SERIES

Vol. VIII, No. 2. *Other People's Lives, First Series.* 1927-1928. Cornelia Spencer Love.

Vol. X, No. 6. *Other People's Lives, Second Series.* 1929-1930. Cornelia Spencer Love.

Vol. XII, No. 2. *Famous Women of Yesterday and Today.* Cornelia Spencer Love.

Vol. XIII, No. 2. *Other People's Lives, Third Series.* 1932-1933. Cornelia Spencer Love.

Vol. X, No. 8. *Studies in Confederate Leadership.* Fletcher M. Green.

Vol. XI, No. 5. *Heroes of the American Revolution.* Fletcher M. Green.

Vol. XI, No. 8. *The Romance of the Western Frontier.* F. M. Green.

ADVENTURES IN READING SERIES

1926-1933

Vol. VII, No. 2. *Adventures in Reading, First Series:* Current Books, 1926-1927. Russell Potter.

Vol. VIII, No. 10. *Adventures in Reading, Second Series:* Current Books, 1928-1929. Russell Potter.

Vol. X, No. 1. *Adventures in Reading, Third Series:* Current Books, 1929-1930. Marjorie N. Bond and Richmond P. Bond.

Vol. XI, No. 1. *Adventures in Reading, Fourth Series:* Current Books, 1930-1931. Marjorie N. Bond and Richmond P. Bond.

Vol. XII, No. 6. *Adventures in Reading, Fifth Series:* Current Books, 1931-1932. Marjorie N. Bond.

Vol. XIII, No. 5. *Adventures in Reading, Sixth Series:* Current Books, 1933. Marjorie N. Bond.

STUDY COURSES RELATING TO FOREIGN STUDY AND TRAVEL

Vol. V, No. 5. *Studies in the History of Contemporary Europe.* Chester P. Higby.

Vol. X, No. 10. *Books of Travel.* Revised Edition. Urban T. Holmes, Jr.

Vol. VI, No. 3. *Modern French Art.* Russell Potter.

Vol. VIII, No. 11. *A Study of South America.* W. W. Pierson, Jr., and Cornelia S. Love.

Vol. VIII, No. 9. *Contemporary Spanish Literature in English Translation* Agatha Boyd Adams and Nicholson B. Adams.

Vol. IX, No. 7. *The French Novel in English Translation.* U. T. Holmes, Jr.

Vol. XI, No. 2. *The Far East, with Special Reference to China, its Culture, Civilization, and History.* James Alexander Robertson.

Vol. XII, No. 1. *Modern Russia.* Eston E. Ericson and Ervid E. Ericson.

A club may select any chapters from the various courses, making up a course to suit the individual needs of the club.

The fee for such a combination would be the same as for registering for a single course. Write for registration terms.

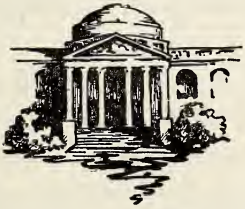
Copyright, 1934, By
The University of North Carolina Press

THE UNIVERSITY OF NORTH CAROLINA
LIBRARY EXTENSION PUBLICATION
VOL. I OCTOBER, 1934 NO. 1

THE SOUTHERN GARDEN

A Study Course for Garden Clubs, First Series

WILLIAM LANIER HUNT



Published four times a year, October, January, April, and July, by the University of North Carolina Press. Entered as second-class matter February 5, 1926, under the act of August 24, 1912. Chapel Hill, N. C.

THE UNIVERSITY OF NORTH CAROLINA LIBRARY
EXTENSION PUBLICATION

Vol. I, No. 1. October, 1934. *The Southern Garden.* W. L. Hunt.

The reading courses of the University of North Carolina, formerly issued as *University Extension Bulletins,* are continued under a new series, *Library Extension Publication.* While all issues may be bought singly, fifty cents each—twenty-five cents in North Carolina—opportunity is offered to secure six issues on subscription for $2.00. The following programs are in preparation for 1934-1936:

Adventures in Reading, Seventh Series, by Cornelia Spencer Love.

Below the Potomac, by Marjorie N. Bond.

Twentieth Century English Literature, by Marjorie N. Bond.

Other People's Lives, Fourth Series, by Cornelia Spencer Love.

Musical Spotlights, by Adeline Denham McCall.

Adventures in Reading, Eighth Series, by Marjorie N. Bond.

There are 48 titles of the *Extension Bulletin* study courses now in use, a complete list of which is found on the inside back cover page.

Terms: For a registration of $10.00, or $7.00 in North Carolina, ten copies of any one issue are supplied, and also all necessary references for the preparation of papers and discussions. All clubs pay transportation charges both ways on borrowed material. Additional copies of programs over ten are fifty cents each; twenty-five cents in North Carolina. For further information write to the University of North Carolina Library, Extension Department, Chapel Hill, N. C.

Library, Univ. of
North Carolina

TABLE OF CONTENTS

PREFACE PAGE

GARDEN CLUB SECTION

I. THE GARDEN CLUB AND FLOWER SHOW 7

II. THE HISTORY OF GARDENING 9

III. THE ARRANGEMENT OF FLOWERS FOR DECORATION 11

IV. DECORATING THE TOWN, CITY AND HIGHWAY 14

V. BIRDS IN THE GARDEN 16

GARDENING SECTION

VI. ANNUALS AND BIENNIALS 18

VII. PERENNIAL GARDENS 21

PART 1. Common and Unusual Perennials 21

PART 2. Herb Gardens and Special Problems 24

VIII. SHRUBS 26

IX. TREES 29

X. ROCK GARDENS 32

XI. POOLS AND WATER GARDENS 36

XII. BULBS 38

XIII. HOUSE PLANTS 41

XIV. LAWNS AND THEIR CARE 43

LANDSCAPE GARDENING SECTION

XV. LANDSCAPE GARDENING 45

XVI. THE OUTDOOR LIVING ROOM 49

SPECIAL REFERENCES 50

ADDRESSES OF PUBLISHERS 53

TERMS FOR THE COURSE 54

SCHEDULE OF MEETINGS 55

24785

OF GARDENS

God Almighty first planted a garden: and indeed it is the purest of human pleasures. It is the greatest refreshment to the spirits of man; without which, buildings and palaces are but gross handiworks: and a man shall ever see, that when ages grow to civility and elegancy, men come to build stately, sooner than to garden finely; as if gardening were the greater perfection. I do hold it, in the royal ordering of gardens, there ought to be gardens for all the months in the year: in which, severally, things of beauty may be then in season. —*Bacon.*

PREFACE

This program of study on THE SOUTHERN GARDEN is planned for those members of garden clubs who are interested in the subject for practical purposes. The "Subjects for Study" are based on selected references and are intended to furnish directions for discussion in groups of garden makers.

There are so many excellent books on gardening that it was difficult to limit the number to those chosen for this study. Garden clubs are fortunate in having the privilege of reading books by such authorities as Richardson Wright, Editor of *House and Garden;* Mrs. Louise Beebe Wilder, one of America's outstanding garden writers; B. W. Wells, Professor of Botany in the University of North Carolina at Raleigh; W. C. Coker, Kenan Professor of Botany in the University of North Carolina at Chapel Hill; H. R. Totten, Professor of Botany in the same institution; Emil C. Volz, Professor of Floriculture, Iowa State College; Alfred Carl Hottes, Associate Editor of *Better Homes and Gardens;* Mrs. Edith R. Fisher, formerly Vice-president of the National Council of State Garden Club Federations and Honorary President of the Garden Club of Illinois; Hugh Findlay, Assistant Professor of Agriculture, Columbia University; W. E. Marshall, an authority on lilies; H. S. Ortloff, landscape architect; and many others whose names are recorded in the list of Special References.

The publishers of these books have been generous in sending review copies for the preparation of this publication, and opportunity is here taken to express appreciation to Dodd, Mead and Company; the Macmillan Company; Doubleday, Doran and Company; McGraw-Hill Book Company; W. E. Marshall and Company; and the University of North Carolina Press.

THE SOUTHERN GARDEN is the first in a series of study outlines for garden clubs contemplated for future publication, and it is hoped that this will be a real contribution to the study of gardening.

September, 1934.

Digitized by the Internet Archive
in 2014

https://archive.org/details/southerngardenst01hunt

CHAPTER I

THE GARDEN CLUB AND FLOWER SHOW

"Garden Clubs, individually, and as units in the national movement, have a great responsibility and a great opportunity to exert a constructive influence on the lives of other citizens. If that opportunity is to be lived up to to its fullest extent, we must set and hold high standards for ourselves. Our Flower Shows and other public exhibitions must be artistic. Programs must add to our knowledge and enrich our lives. Our whole aim must be toward a combination of the artistic, practical, and social aspects of gardening and of life itself."—*Edith R. Fisher.*

With the idea of making a meeting on Garden Clubs as practical as possible this chapter has been definitely planned after the program of the Federated Garden Clubs of America. *The Garden Club Manual,* by Mrs. Frederick Fisher, will be found to cover almost every phase of the activities of a garden club. Mrs. Fisher, a pioneer in the Garden Club movement, who has personally organized more than two hundred clubs in America, begins her Preface with, "This little book is designed to aid those who are organizing new Garden Clubs and those who are interested in making established ones better, either through a more efficient plan of organization or a more constructive program of home and community betterment projects. Based as it is on the actual experiences of successful clubs and the author's own personal observation over a period of many years, it is hoped that it will help to make it easier to start a club and keep it working constructively."

Subjects for Study

1. Garden Clubs
   - *a.* Ideals
   - *b.* Organization and Constitution
   - *c.* Programs
2. Flower Shows
   - *a.* Planning and Staging
   - *b.* Arrangement of Flowers
   - *c.* Flower Show Judges

Special References:

Fisher, *The Garden Club Manual.*
Volz, *Home Flower-Growing.*

Additional References: (Numerals refer to subjects for study.)

Garden Club of Virginia, *Amateur Flower Shows.* (2)
Mulford, *Horticultural Exhibitions and Garden Competitions.* (2)

CHAPTER II

THE HISTORY OF GARDENING

No more fascinating way to study the development of man and his culture could be devised than through the history of gardening. In the South we are having a great revival of that garden-making which originated in the days of slavery when many beautiful gardens were laid out and planted. Until recent times we have been so busy becoming industrialized that little time has been given to the art. It is the privilege of everyone to make a garden, no matter how small, and the many recent books on the subject have served to increase our interest in making gardens and reading about them.

The book selected for this chapter, Wright's *Story of Gardening,* is a history of the art of gardening from the Hanging Gardens of Babylon to the Hanging Gardens of New York. Although rich in material for a year's study, it is necessary to limit its use here to one meeting.

Subjects for Study

1. The Ancient Garden
   - *a.* Asia
   - *b.* Europe
   - *c.* England
2. The European Garden of To-day
   - *a.* Germany
   - *b.* France
   - *c.* Majorca
3. The English Garden of To-day
   - *a.* England
   - *b.* Bermuda
4. The American Garden of To-day
   - *a.* California
   - *b.* Charleston
   - *c.* Virginia
   - *d.* North Carolina

Special Reference:

Wright, *The Story of Gardening.*

Additional References: (Numerals refer to subjects for study)

Garden Gossip,

"Our Ancestral Gardens," Jan. 1931. (4)
"A Glimpse at Bermuda Gardens," Mar. 1931. (3)

Home and Field,

"Bloom and Scent of Charleston," Mar. 1932. (4)
"Majorcan Gardens," Nov. 1932. (2)

House and Garden,

"In a Garden Near Versailles," Mar. 1928. (2)
"America in the World of Gardens," Mar. 1928. (4)
"A Summer Tour of British Gardens," June 1928. (3)
"A Mid-city Miracle" (New York City), Nov. 1928. (4)
"England's Gardens Overseas," May 1929. (3)
"California Contributes Three Garden Glimpses," Mar. 1932. (4)
"Modern Gardens as the Germans Do Them," July 1932. (2)

House Beautiful,

"City Gardens, Turtle Bay" (New York City), Nov. 1927. (4)

CHAPTER III

THE ARRANGEMENT OF FLOWERS FOR DECORATION

The arrangement of flowers is an art in which everyone may participate. With the advent of the flower shows over the country people have begun to study and to analyze the beauty of flower arrangements. Very definite and tangible principles are involved in this art, and it is only with an accurate knowledge of these principles that we shall be able to compete with others at flower shows and to get the best effects from the flowers we grow in our gardens.

Arranging Flowers Throughout the Year by Cary and Merrell has been selected as one of the principal references for this chapter. With sixty photographs of flower arrangements it is a splendid book for garden club members who are "studying the underlying principles and experimenting with flower arrangements for their own homes and for horticultural exhibits." There are chapters on types of arrangement, flower forms, color, receptacles, proportion and lighting—all, as the authors state, furnishing constructive help not only to the large groups of special flower-lovers but to countless persons who are not yet aware of the decorative possibilities of the flowers they put in their homes.

Home Flower-Growing by Volz has an excellent chapter on arranging flowers. In fact, this book has something of interest on every phase of gardening and will be referred to many times in this bulletin.

No more interesting books have been written on flowers than Averill's *Japanese Flower Arrangement* and *The Flower Art of Japan,* and they should be available to every garden club.

Rockwell's *The Book of Bulbs,* described more fully elsewhere, has an important chapter on arranging flowers.

Subjects for Study

1. Containers for Arranging Flowers
   - *a.* Texture
   - *b.* Line
   - *c.* Color
2. Types of Flower Arrangements
   - *a.* Japanese
   - *b.* Symbolic
   - *c.* Eighteenth Century
3. Decorating with Flowers
   - *a.* Indoors
   - *b.* Outdoors
4. Care of Cut Flowers

Special References:

Averill, *The Flower Art of Japan.*
——— *Japanese Flower Arrangement.*
Cary and Merrell, *Arranging Flowers Throughout the Year.*
Rockwell, *The Book of Bulbs.*
Volz, *Home Flower-Growing.*

Additional References:

American Home,

"Christmas Garden Lighting," Dec. 1928. (3)
"Waterlilies, Waxed to Make them Remain Open in the Day," May 1933. (4)
"Making a Terrarium," Nov. 1933. (2)

Arts and Decoration,

"Roses as a Decoration for Home and Garden," June 1930. (3)

Country Life,

"Flowers for Fixing," June 1931. (2)
"Symbolism in Flower Arrangements," Dec. 1932. (2)
"Flowers that Never Fade," Mar. 1933. (3)

Garden Gossip,

"Flower Arrangements of the Eighteenth Century," Aug. 1933. (2)
"Christmas Plant *(Citrus trifoliata)*, Mar. 1934. (3)
"Christmas Greens Exhibit," Nov. 1933. (3)
"Christmas Greens Exhibition," Dec. 1933. (3)

Home and Field,

"Christmas, for the House in Yuletide Dress," Dec. 1931. (3)
"Flowers Demand the Right Container," Dec. 1932. (1)

Horticulture,

"Cut Greens for Winter Decoration," Nov. 1, 1930. (3)
"Christmas Greenery to Use Freely," Nov. 15, 1931. (3)

House and Garden,

"Decorative Greens in Living Rooms," Dec. 1929. (3)
"Japanese Flower Forms for America," Mar. 1932. (2)
"Flower Arrangement," Apr. 1932. (2)
"Still-life Studies," Oct. 1933. (2)

House Beautiful,

"On the Care of Cut Flowers as in Japan," Nov. 1928. (4)
"A Week-end Lesson in Flower Arrangements," Dec. 1932. (2)

CHAPTER IV

DECORATING THE TOWN, CITY AND HIGHWAY

Almost every town and city and many of our main highways have felt the beneficial effects of the programs which garden and civic clubs are carrying out everywhere. Much fine work has been accomplished, and what is more important, the interest of the public has been aroused. Fortunately for our country these programs are increasing in number and force every day. Wherever civic organizations and garden clubs have exerted pressure they have been able to secure the co-operation of city officials in doing almost any reasonable amount of work.

Many excellent books and bulletins have been written about town and city improvement, and those listed below are very fine. Lohmann's *The Principles of City Planning* is useful to the citizen who is interested in the improvement of his village, town or city, and is desirous of knowing more about the subject. The bulletin, *Shade Trees for North Carolina,* by W. W. Ashe, is recommended for its information about the planting of trees. It even gives the lists of trees by color of autumn foliage. The bulletins, *How to Know and Use the Trees,* by W. C. Coker and Enid Matherly, and *Design and Improvement of School Grounds,* by W. C. Coker and Eleanor Hoffmann, are valuable for their practical suggestions for small towns and countrysides.

Subjects for Study

1. City Planning
2. Parks and Playgrounds
3. Improving School Grounds
4. Street and Roadside Planting
5. Shade Tree Planting

Special References:

Ashe, *Shade Trees for North Carolina.*
Coker and Hoffmann, *Design and Improvement of School Grounds.*
Coker and Matherly, *How to Know and Use the Trees.*
Lohmann, *Principles of City Planning.*

Additional References:

House and Garden,

"City Planning and Town Betterment," Jan. 1928. (1)
"City Plan, First Steps Toward," Mar. 1928. (1)
"Parks for Town Betterment," Aug. 1929. (2)

CHAPTER V

BIRDS IN THE GARDEN

Birds are the most interesting of the wild life that animates our home grounds. No matter how small the property, there is always an opportunity to have bird visitors if the owner will see to it that certain simple food and nesting requirements are satisfied. Fortunately, a great many of the shrubs and trees commonly planted around houses supply some food, and good nesting places for birds in summer. It is possible, however, to increase greatly the different kinds which will inhabit one's yard and garden by planting shrubs and trees which are especially suitable for their maintenance.

Birds are desirable in winter because they cheer us with their company at a time when there is little of interest out-of-doors. An entirely different diet is necessary for them, and they soon learn where to find food, and provide endless entertainment for those who are willing to take the trouble to feed them regularly.

One of the Special References for this chapter is Mrs. Charlotte Hilton Green's *The Birds of the South,* in which she has packed a great amount of interesting information where one may learn of many new birds as well as old favorites. Additional material is supplied giving information about feeding, attracting and protecting them.

Subjects for Study

1. Local Birds
2. Feeding and Protection of Birds
3. Bird Houses

Special References:

De La Mare, *Garden Guide.*
Green, *The Birds of the South.*
U. S. Department of Agriculture, *Gourds for Bird Houses and Other Purposes.*
———*Homes for Birds.*
———*How to Attract Birds in the Middle Atlantic States.*

Additional References:

Garden Gossip,

"Winter Feeding of Birds," Nov. 1933. (3)
"Bird Visitors in Norfolk," Dec. 1933. (1)
"Bird Feeding Stations," Dec. 1933. (3)

House and Garden,

"Quiet Nooks for the Birds of the Garden," June 1932. (2, 3)
"Homes for Big and Little Birds," July 1932. (2)

CHAPTER VI

ANNUALS AND BIENNIALS

In the South annuals usually come to the rescue of our perennial gardens in the heat of midsummer. They are often the welcome fillers-in which furnish color in quantity and flowers so plentifully that we depend largely upon them for cut flowers. Biennials must be classed here too, for by virtue of our long growing season many of them bloom by fall, if started from seed early in the spring. Some spend themselves the first year while others carry over and give a second season's bloom.

The majority of plants classed as tender annuals live throughout the winter in the South, and these plants provide a wonderful display of flowers, usually very early in the spring. Apparently they gather strength during the winter and spend it with all their might when warm weather comes. In the last few years not a few new annuals have been added to the lists in seed catalogues. Southerners should take particular note of the new annuals from South Africa, since the climates of two of the sections from which they are being collected are similar to ours. Many of these plants like our hot, dry summers.

One advantage the South has in regard to annuals is that a great many of them may be planted as late as the last two weeks in June, and they will still bloom before frost. This is especially true of fall-blooming annuals such as cosmos and the late flowering marigolds. Cosmos make beautiful plants when planted late; they do not make long naked legs nor do they have to be staked. To make yellow cosmos bloom before frost they should be planted in gallon cans with plenty of drainage and holes in the bottom, or in pots, and set into the ground.

Of the many books on annuals and biennials, Ortloff's *Garden Bluebook of Annuals and Biennials* is one of the best. The author, who is not only a landscape gardener but also a practical garden maker, gives ranking place to the raising of annuals and biennials, especially for the beginner. "Through them the beginner learns those fundamentals of soil and environment, of root growth and flowering, of pest and wind and drought, so necessary to know if he wishes to attain the heights of garden lore. Annuals are a begin-

ning, a First Grade, an adolescence, the mark of one's puppy love in the game of making things grow from seed. . . . Because we are coming around to a proper appreciation of annuals a book such as Mr. Ortloff has written should find a sympathetic audience."

—*Preface,* Richardson Wright.

A later book by the same author, *Annuals in the Garden,* suggests many new ideas for using ordinary annuals in the garden scheme. The book is full of valuable information for the amateur gardener.

The Fragrant Path, by Louise Beebe Wilder, a book about sweet-scented flowers and leaves, is written for those who would ge beyond the mere planting of flowers and seek information about the history and legends of sweet-scented plants.

Subjects for Study

1. Annuals
   - *a.* Sowing and Cultivation of Annuals
   - *b.* Unusual Annuals
   - *c.* Common Annuals
2. Biennials
   - *a.* Sowing and Cultivation of Biennials

Special References:

De La Mare, *Garden Guide.*
Findlay, *Garden Making and Keeping.*
Ortloff, *Annuals in the Garden.*
————*A Garden Bluebook of Annuals and Biennials.*
Volz, *Home Flower-Growing.*
Wilder, *The Fragrant Path.*

Additional References:

The American Home,
"An Early Start with Annuals," Feb. 1933 (1a)
"History of the Sweet Pea," Mar. 1933. (1c)
"Sow Seed now for Biennials," May 1933. (2)
"The Practical Culture of the Lupine," July 1933. (1c)

Arts and Decoration,
"South Africa's Flowers," Jan. 1931. (1b)
"Raising from Seed Stocks," Feb. 1932. (1c)

Country Life,

"Poppies for Pleasure," Mar. 1930. (1c)
"The Lure of the Lupine," Apr. 1932. (1c)
"South African Plants," Oct. 1933. (1b)

Gardeners' Chronicle,

"Blue Lace Flower" *(Didiscus caerulea),* Feb. 1931. (1b)
"Forget-me-nots" (Chinese), Apr. 1931. (1c)
"Best Annuals for the Small Gardens," May 1931. (1c)
"California Annuals for Eastern Gardens," June 1931. (1c)
"*Godetia Whitneyi* Sweetheart," July 1931. (1b)
"Fall Planting of Annuals," Oct. 1931. (1a)
"Taking Time by the Forelock with Annuals," Nov. 1931. (1a)
"Annuals in the Green House," Jan. 1932. (1a)

Garden Gossip,

"Success with Late Calendulas," Mar. 1933. (1c)
"Seed Sowing of Annuals," Apr. 1933. (1a)
"Good *Calendula Chrysantha,*" July 1933. (1c)
"Long Bloom from Canterbury Bells," Aug. 1933. (2)
"White Cleome," Oct. 1933. (1c)

Home and Field,

"Grow Sweet Peas," Mar. 1932 (1c)
"Fast Growers for Midsummer Bloom," June 1932. (1c)

House and Garden,

"Clove Gilliflowers of Long Ago," Jan. 1931. (1c)
"Annuals to Enhance the Rock Garden," Feb. 1931. (1b)
"Annual and Perennial Sages," July 1931. (1c)
"New Zinnias Star on the Garden Stage," Feb. 1932. (1c)
"Seed Germination Table," Mar. 1932. (1a)
"South African Plants," Oct. 1933. (1b)

Horticulture,

"Lupines, Bacteria Cultures and Drainage," June 1, 1933. (1c)

House Beautiful,

"Familiar Annuals in New Dress," Oct. 1928. (1c)
"Annuals and Perennials," May 1932. (1a)
"The Poppy as a Garden Flower," June 1932. (1c)

CHAPTER VII

PERENNIAL GARDENS

Part I. Common and Unusual Perennials

The Perennial Garden is so important that this chapter is divided into two parts and may be used for two meetings. Many perennials, like the peonies, will live over a hundred years when given reasonable care and properly situated, and because they do not require replanting each year, they have become the main dependence of the amateur gardener. In the South, however, one must remember that the sun in midsummer is too strong and the days too long for many plants that require full sun in the North. If the perennial garden can be located where it will be shielded from the sun for the first half of the morning and the last half of the afternoon there is no danger of losing the somewhat less "summer-hardy" plants.

Perennial Gardens, by Ortloff, covers almost every phase of perennial gardening, and its plans may be adapted to anyone's needs, if differences in seasons and climates are taken into consideration. With chapters on planning small perennial gardens, importance of color and succession of bloom, perennials for the rock garden, for shaded areas, in front of shrubs and for cutting, this valuable book is written for the home-owner who knows the value of intelligent planning and planting. Hottes' *The Book of Perennials* is written for both amateur and professional on the general principles of growing, using, selecting and propagating perennials. Plants are discussed individually as to their culture and requirements. One important chapter is on perennials for shady places, with lists showing the kinds of soil required for each plant. With these two books, the gardener will have complete information on perennial gardening.

Subjects for Study

1. Sowing and Cultivation of Perennials
2. Unusual Perennials
3. Common Perennials

Special References:

De La Mare, *Garden Guide.*
Findlay, *Garden Making and Keeping.*
Hottes, *The Book of Perennials.*
Randall, *Home Culture of Roses.*
U. S. Department of Agriculture, *Herbaceous Perennials.*
Volz, *Home Flower-Growing.*
Wilder, *The Fragrant Path.*

Additional References:

Arts and Decoration,

"Dahlias are Plants of American Origin," Sept. 1930. (3)
"Chrysanthemums in the Garden," Oct. 1930. (3)

Country Life,

"Some Iris Personalities," June 1930. (2)
"Newcomers among Perennials," Aug. 1930. (2)
"Flowers of the West Wind," Aug. 1931. (3)
"June is Iris Time," June, July 1932. (3)

Gardeners' Chronicle,

"Chrysanthemums," Jan. 1931. (3)
"Anemone angulosa lilacino," Feb. 1931. (3)
"Carnations, Perpetual-flowering," Apr. 1931. (3)
"Delphiniums, Flower de luxe," May 1931. (3)
"Anemone vernalis," June 1931. (2)
"Delphiniums, Spires of Delight," July 1931. (3)
"Campanulas (Bellflowers) Alpines," Aug. 1931. (3)
"Campanula miranda," Sept. 1931. (3)

Garden Gossip,

"Corydalis glauca," Apr. 1930. (3)
"Dicentra eximia," May 1933. (3)
"Two Good Perennials," Aug. 1933. (3)
"Propagating Phlox," Aug. 1933. (1)
"Delphinium chinense," Aug. 1933. (3)
"Peony Hybrids, *Officinalis* and *Chinensis,"* Aug. 1933. (2)
"German Iris in the South: Report of Fifteen Years of German Iris Culture in Virginia and North Carolina," Aug. 1933. (1)
"Planning the Marginal Garden," Sept. 1933. (2)
"Oriental Poppies," Sept. 1933. (3)
"Recipe for a Drought-proof, Worry-proof Garden Border," Sept. 1933. (2)
"Cassia corymbosa or *floribunda,"* Dec. 1933. (3)
"Chrysanthemums from Seed," Feb. 1934. (1)
"Chrysanthemum Aladdin, Novelty," Mar. 1934. (2)

Home and Field,

"The Gay Dahlia Plays Thirteen Parts," Aug. 1930. (3)
"The Primrose Path," Mar. 1931. (3)
"A Revolution in Hardy Pinks," July 1931. (3)
"Re-enter the Tree Peony," Sept. 1931. (2)
"Delphiniums in Summer Glory," May 1932. (2)
"Delphiniums: a Guide," June 1932. (3)
"Funkias for Borders and Corners," Sept. 1932. (3)

Horticulture,

"Christmas Roses for Three Months," Dec. 15, 1931. (2)

House and Garden,

"Statices in a California Garden," Jan. 1922. (2)
"The Best of Herbaceous Peonies," Oct. 1927. (3)
"Anemones, Something New in the Garden," Mar. 1928. (2)
"The Loveliness of Autumn's Asters," Dec. 1928. (3)
"Daylilies, New for the Garden," Jan. 1929. (2)
"Primroses from Foreign Lands," Mar. 1929. (2)
"May Calls Forth the Trilliums," May 1929. (3)
"Penstemons and their Many Possibilities," July 1929. (3)
"Corydalis," Apr. 1930. (3)
"How to Grow Small Campanulas," July 1930. (1)
"How to Grow the Chinese Primroses," Aug. 1930. (3)
"Irises of the Orient," Sept. 1930. (3)
"Summing up the Case for the Hardy Perennials," Jan. 1931. (1)
"Penstemons that Bring Rainbow Colors," Feb. 1931. (3)
"Garden Veronicas, Large and Small," May 1931. (3)
"Twelve Perennials for the Border," Oct. 1931. (3)
"Chrysanthemums, with Autumn Coming on," Nov. 1931. (3)
"Modern Delphiniums," Mar. 1932. (3)
"The Chosen Perennial of the Month," Mar. 1933. (3)
"Flaxflowers in the Garden," Apr. 1933. (3)
"Worth-while Violas at a Glance," Sept. 1933. (3)

House Beautiful,

"Delphiniums," Apr. 1930. (3)
"Primroses Bloom Early and Late," June 1931. (3)
"The Lovely Columbine," July 1932. (3)

CHAPTER VII (continued)

PERENNIAL GARDENS

PART II. HERB GARDENS AND SPECIAL PROBLEMS

Subjects for Study

1. HERBS
2. SPECIAL PROBLEMS RELATING TO PERENNIAL GARDENS
   - *a.* Summer Perennials
   - *b.* Shade Perennials
   - *c.* Blue Perennials

Special References:

(Same as for Part I.)

Additional References:

Arts and Decoration,

"The Landscape Value of Daylilies," Mar. 1931. (2)

Country Life,

"Augmenting the Hardy Borders," Apr. 1930. (2)
"Planting an Herb Garden," Mar. 1932. (1)
"Front-line Flowers," Apr. 1933. (2)

Gardeners' Chronicle,

"Drought-proof Dahlias," May 1933. (2)
"Eryngium for August Bloom," Sept. 1933. (2a)

Home and Field,

"Revival of the Herb Garden," June 1930. (1)
"Two Borders Patterned in Iris," Aug. 1931. (2)
"Lavish Bloom till Winter Comes," Nov. 1932. (2a)

House and Garden,

"Perennials for Southern Gardens," Feb. 1923. (2a)
"Designing the Blue Border," Jan. 1928. (2c)
"Borders that Are Always Green," Mar. 1929. (2)
"Iris in the Garden Picture," July 1929. (2)
"Plants for a September Border," Sept. 1929. (2a)
"Perennials for Shady Places," Mar. 1930. (2b)
"Revamping the Hardy Border," Mar. 1931. (2)
"True Blues among the Early Blossoms," Mar. 1933. (2c)

"Thistles to Help the Summer Garden," July 1933. (2a)
"Violas that Will Save the Garden," Sept. 1933. (2)
"First Aid for Perennial Borders," Oct. 1933. (2)

House Beautiful,

"Delphiniums in the South," Mar. 1928. (2c)
"Perennials for the Shade," Mar. 1929. (2b)
"The Control of Peony Blight," Jan. 1930. (2)
"Perennials and Annuals," May 1932. (2)

CHAPTER VIII

SHRUBS

The use of shrubbery as a means of displaying good architecture in buildings and homes or concealing poor construction is constantly increasing. The varieties of shrubs that can be grown in the southern states are many, since large numbers thrive below the Potomac that are too tender for the hard winters north of Washington. In fact, the southern garden may be green the year round by the skilful use of some of the broad-leaf evergreens such as privets, hollies, and others made available in recent years.

The study of this important chapter is based on *The Book of Shrubs* by Hottes. Instruction in the cultivation of common and unusual shrubs, as well as special problems, may be found in this excellent book of over four hundred pages, with many fine illustrations and cuts. How to plan the home planting, effective foundation planting, soils, planting and transplanting, pruning and propagation, are among the many topics treated. The lists of shrubs for various sections of the country, flowering shrubs, with descriptions of colors, fruits, height, etc., contribute greatly to the value of the volume.

Subjects for Study

1. Cultivation of Shrubs
2. Common Shrubs
3. Unusual Shrubs
4. Special Problems Relating to Shrubs
   - *a.* Shrubs for Shady Places
   - *b.* Shrubs for Hedges
   - *c.* The Use of Evergreens

Special References:

De La Mare, *Garden Guide.*
Findlay, *Garden Making and Keeping.*
Hottes, *The Book of Shrubs.*
Randall, *Home Culture of Roses.*
U. S. Department of Agriculture, *Roses for the Home.*
Wilder, *The Fragrant Path.*

Additional References:

Arts and Decoration,

"Roses as Decoration for Home and Garden," June 1930. (1)
"Rhododendrons Bring Wild Mountain Beauty," Mar. 1931. (2)
"Looking Toward Better Shrubs," Dec. 1931. (3)
"Some Half-forgotten Roses," May 1932. (2)
"Rose, the Tudor Blooms on Lake Erie," Nov. 1932. (4)

Country Life,

"Doing the Unusual with Roses," Apr. 1929. (4)
"The All-purpose Azalea," Apr. 1930. (2)
"In Praise of Lilacs," June 1931. (3)
"Boxwood," Mar. 1932. (2)
"Sub-Rosa Roses," June, July 1932. (4)

Gardeners' Chronicle,

"Cotoneasters for Winter Cheer," Jan. 1931. (4)
"Creepers Beneath Evergreen Trees," Mar. 1931. (4)
"Clethras; Sweet Scented Shrub Species," May 1931. (3)
"Daboecia polifolia" (Alpines), Nov. 1931. (3)
"Erica carnea," Dec. 1931. (3)

Garden Gossip,

"Protect Our Old Virginia Boxwood Gardens," Aug. 1933. (2)
"September Notes from the Rose Test Garden," Sept. 1933. (1)
"Evergreens, Value of Broadleaved," Oct. 1933. (4)
"Camellia Show in Norfolk," Feb. 1934; Apr. 1934. (3)

Home and Field,

"Care of the Autumn-planted Rose Garden," Oct. 1930. (1)
"Heather Blooms All Year Round," Jan. 1931. (2)
"The Changing Style in Evergreens," Feb. 1931. (4)
"New Beauties among Spanish Roses," July 1932, p. 30. (3)
"Fall-plant the Rose for All-Season Bloom," Oct. 1932. (1)

Horticulture,

"Camellia theifera" (Ruby Tea), Apr. 1, 1931. (3)
"Simple Rules for Growing Heather," Apr. 15, 1931. (1)
"Making Wisterias Bloom," May 1, 1931. (4)
"Heather in Variety," Oct. 1, 1931. (2)
"Winter Flowering Daphne," Dec. 15, 1931. (3)

House and Garden,

"Why not Plan a Berry Garden," Apr. 1922. (3)
"To Make Rose-growing Easier," Mar. 1928. (1)
"Hedge Plants for Different Regions," Aug. 1928. (4)
"What is there Behind the Bush?" Sept. 1928. (2)
"Gems among the Brooms," Jan. 1929. (3)

"Shrubs in the Garden Picture," Mar. 1929. (4)
"Lilacs, Wild and Otherwise," May 1929. (4)
"Roses, How They Came by their Names," June 1929. (4)
"Shrubs for the Rock Garden," Feb. 1930. (2)
"Camellia, Rose of Japan," Mar. 1930. (3)
"Varieties for Rose Garden Beginner," May 1930. (2)
"Boxwood and the Landscape Scheme," July 1930. (4)
"Shrubs for Banks," Sept. 1930. (4)
"Shrubs to Plant by the Waterfall," Nov. 1930. (4)
"Flowering Bushes and Small Trees," Dec. 1930. (3)
"Insects Injurious to Trees and Shrubs," Mar. 1931. (1)
"Honeysuckles of Branch and Tendril," Jan. 1932. (3)
"Keep your Evergreens Spruced Up," Mar. 1932. (1)
"Surgery to Help the Shrubs," Apr. 1932. (1)
"Hardy Azaleas for Garden Color," May 1932. (2)
"Rhododendrons for Magnificent Effects," Nov. 1932. (4)
"Trees and Shrubs for Blended Borders," Mar. 1934. (4)

House Beautiful,

"The Useful Wisteria Vine," Oct. 1928. (2)
"Rock Jasmines and Their Kin," Feb. 1929. (3)
"The Azaleas of the Ashley," Apr. 1929. (2)
"A Rose Garden and Swimming Pool," June 1929. (4)
"Races and Types of Garden Roses," Apr., May and June 1930. (4)
"Four Shrubs for the Hedge," Sept. 1930. (2)
"Fifteen Shrubs for the Rock Garden," Jan. 1931. (4)

Ladies Home Journal,

"Hedges that Grow Old Gracefully," July 1931. (4)

CHAPTER IX

TREES

Much can they praise the trees so straight and hy,
The sayling Pine; the Cedar proud and tall;
The vine-propp Elme; the Poplar never dry;
The builder Oake, sole king of forrests all;
The Aspine good for staves; the Cypresse funerall.

The Laurell, meed of mightie conquerors
And poets sage; the Firre that weepeth still;
The Willow, worne of forlorne Paramours;
The Eugh, obedient to the benders will;
The Birch, for shafts; the Sallow for the mill;
The Mirrhe sweete-bleeding in the bitter wound;
The warlike Beech; the Ash for nothing ill;
The fruitful Olive; and the Plantane round;
The carver Holme, the Maple seldom inward sound.

—Spenser, *Faerie Queene*

All the fine things that have been written about trees are well deserved. In eastern North America we are blessed with a great variety of native trees and many foreign ones that thrive here. It is fitting that the people of a land where there are so many handsome trees should study and enjoy their beauty. They need our study and attention at the present time more than ever before, because they have been so ruthlessly destroyed in this country. When America was settled it was a veritable paradise of trees, but today one can scarcely find a forest that has reached maturity. The destruction has been so great that the rainfall has dropped off, in some parts of the country the heat of summer is unbearable, and the soil is washing away to the sea. The United States Government has wisely pointed out that the efforts and interest of all civic groups and of all individuals are necessary if we are to save America from becoming a hideous place. Trees and more trees are the only answer to the problem of erosion.

Ours is the pleasant task of restoring to America its great heritage of trees. The home-owner can do his part by giving his time and attention to the trees on his property and by working through the garden and civic clubs to preserve and plant trees along the highways and streets.

Four books have been selected for the special study of native and foreign trees and their uses. *Trees of the Southeastern States* by Coker and Totten fulfils the need for a finely illustrated manual of trees of the South. The authors say in the Introduction, "The Trees of the Southeastern States in their variety, beauty, and landscape effect are probably not equaled by any other similar area in the world. There are many more kinds of trees in North Carolina alone than in the whole of Europe. We are describing in this book two hundred and twenty-seven native trees, not counting varieties and also omitting a large number of so-called species of hawthorn that are mentioned more or less casually. We are also including twenty-one foreign trees that have now escaped from cultivation and become established as wild. It is not possible to say just how many trees occur in our territory."

The Book of Trees by Hottes is intended for the amateur gardener and is presented from the viewpoint of a horticulturist, not a botanist. This volume with two hundred excellent illustrations contains descriptions of every worthwhile tree, with notes as to culture, propagation, pruning, disease and insect pests, uses, desirable and undesirable features. Here are discussions of such interesting subjects as the bark of trees, the twigs, autumn leaves, trees of American history, and valuable lists of the kinds of trees to plant for various purposes.

Trees Worth Knowing, by Rogers, with its beautiful colored illustrations of nut trees, water-loving trees, trees with showy flowers and fruits, pod-bearing trees, and cone-bearing evergreens, is also recommended as a special reference. For studying the different types of forest in various localities Wells's *The Natural Gardens of North Carolina* is used. Those interested in shade trees are referred to *Shade Trees for North Carolina* by W. W. Ashe. For practical use of trees, *How to Know and Use Trees* by Coker and Matherly is especially good.

Subjects for Study

1. Native Trees
2. Foreign Trees
3. Use of Trees

Special References:

Ashe, *Shade Trees for North Carolina.*
Coker and Hoffmann, *Design and Improvement of School Grounds.*
Coker and Matherly, *How to Know and Use the Trees.*
Coker and Totten, *Trees of the Southeastern States.*
Findlay, *Garden Making and Keeping.*
Hottes, *The Book of Trees.*
Rogers, *Trees Worth Knowing.*
Wells, *The Natural Gardens of North Carolina.*
Wilder, *The Fragrant Path.*

Additional References:

Country Life,
"Magnolia the Magnificent," Mar. 1930. (1)

Flower Grower,
"Yaupon, Our Beautiful Native Holly," Dec. 1931. (1)

Gardeners' Chronicle,
"Blossoms of Beautiful Trees," Feb. 1931. (1, 2)
"Flowering Trees for Gardens and Grounds," Mar. 1931. (1, 2)

Garden Gossip,
"Lack of Success with Siberian Elms," Nov., Dec. 1933. (2)

Home and Field,
"Yew Trees in American Gardens," Dec. 1930. (2)

Horticulture,
"English Holly and Its Culture," Dec. 1, 1930. (1, 2)

House and Garden,
"Worthy Elms of Various Kinds," July 1928. (1, 2)
"Lindens and Other Summer Flowering Trees," Oct. 1928. (1)
"In Praise of Maples," Nov. 1928. (1)
"Horsechestnuts for Beauty of Bloom," Aug. 1929. (1)
"Hollies of the World," Dec. 1929. (1, 2)

House Beautiful,
"Oak Woodlands," Nov. 1927. (1)
"Small Trees of Great Worth," July 1930. (1, 2)
"More Small Trees of Great Worth," Aug. 1930. (1, 2)

CHAPTER X

ROCK GARDENS

Rock gardening has a natural place in American horticulture for several reasons. First of all, the naturalistic rock garden is the place for many gorgeous wild flowers, and the fact that the rock garden may be of any size makes it adaptable to the home grounds of any dimensions. Again, natural outcroppings of stone occur over a great part of our country, and the rock garden is the easiest and most beautiful decoration for these groups of stone when they present a problem on the home grounds. Finally, the majority of alpine plants from over the world demand the special growing conditions which are provided only in the rock garden.

In making a rock garden in the South it is necessary to remember that our season is longer than in the North, from whence comes much printed information on horticulture. In Piedmont North Carolina the season really begins early in February with the blooming of the little trumpet daffodils, and still earlier farther south. The long, hot, and dry season which is usual in mid-summer must also be taken into account. All but the hardiest of plants should be given some shade for a part of the day during this period, and it is best to place the rock garden near trees that will afford protection from too much sun. The rock garden should not, however, be located directly under trees, unless native and shade-loving plants are used.

There are many advantages which the South enjoys in rock gardening. In addition to the long season, there is the advantage of being able to grow many fine bulbs and plants considered too tender for the North. From year to year, new names are being added to the list of so-called tender plants found to be hardy here. Many of the rock garden plants which are easiest to grow are as beautiful as the difficult ones, and it is the part of wisdom to begin with these.

The Natural Gardens of North Carolina by Wells is the most practical and at the same time entertaining and instructive book on the flora of the South. In publishing this book, Dr. Wells and the Garden Club of North Carolina have performed a lasting service to the public. It contains everything anyone would wish to

know about wild flowers in this part of the country. To look up a new wild flower, use the artificial keys which begin on page 209.

The main text for this chapter is Wilder's *The Rock Garden.* Mrs. Wilder is one of America's outstanding authorities on rock-gardening, and this book is the result of her personal experience. With chapters on preparation of the soil, the plants to be used, the use of little bulbs, shrubs and annuals, it tells just how to plan and build a rock garden. Mrs. Wilder's *Adventures in A Suburban Garden* is largely devoted to the rock garden, although it is full of advice on every gardening problem. The amateur finds in it many suggestions for new plants, new ways to do the ordinary tasks, and new effects to be obtained in gardens everywhere. Such chapter headings as "Hardy Cyclamens for the Garden," "Geranium and Erodiums in the Rock Garden," "The Columbine Commendable," "Trillium Thrills," "First Steps with Gentians," and "A Shade Loving Tribe," give one an idea of the charm of this interesting book.

Thornton's *Rock Garden Primer,* covering conditions for the temperate part of America, is written with special regard for those who require minute instructions. Such topics as the choice of a site, the kind of rocks, drainage and soil, use of small evergreens, flowering shrubs and trees, are fully discussed, and illustrations accompany each chapter. Rockwell's *Handbook on Rock Gardens* is planned to give in as concise form as possible information on rock garden construction. It is designed to accompany volumes dealing in this subject in more detail.

McCully's *American Alpines in the Garden* is intended to bring before the garden maker the rich material of our American mountain ranges. Selection of plants included has been limited to representative plants of tested value in gardens. The great Pacific Coast mountain ranges have been stressed. Part I deals with the preparation of the rock and water garden; Part II follows the plants to their native mountains; Part III deals with the plants themselves and is arranged alphabetically. Those who wish a list of suggested plants for various situations will find Part IV useful.

Pioneering with Wildflowers, by George D. Aiken, sets forth the beauties of the wildflowers found in America three hundred years ago and still abounding. As he says, "The wildflowers have

seen the development of comforts of our so-called civilization. They have seen the forests cut away, cities and villages grow, roads made, bogs and marshes drained for agricultural purposes, great reservoirs built, and with each new development they have suffered." While reading this book one wonders if wildflowers are not the most desirable of all flowers.

Halligan's *The Rock Garden* and Wildon's *Lists of Rock Garden Plants* are valuable pamphlets, and the other books listed as Special References contain separate chapters on rock gardens.

Subjects for Study

1. Construction and Cultivation of Rock Gardens
2. Annuals for Rock Gardens
3. Perennials for Rock Gardens
4. Problems of Rock Gardens
5. Special Subjects Relating to Rock Gardens
   a. Wildflowers

Special References:

Aiken, *Pioneering with Wildflowers.*
De La Mare, *Garden Guide.*
Findlay, *Garden Making and Keeping.*
Halligan, *The Rock Garden.*
McCully, *American Alpines in the Garden.*
Ortloff, *Annuals in the Garden.*
——— *Perennial Gardens.*
Rockwell, *Rock Gardens.*
Thornton, *Rock Garden Primer.*
Wells, *The Natural Gardens of North Carolina.*
Wilder, *Adventures in a Suburban Garden.*
——— *The Fragrant Path.*
——— *The Rock Garden.*
Wildon, *Lists of Rock Garden Plants.*

Additional References:

American Home,

"Late Summer in the Rockery," Mar. 1933. (4)

Arts and Decoration,

"Vogue for Rock Gardens Planted with American Flowers." Apr. 1929. (2)

Country Life,

"Planting the Rock Garden," Sept. 1930. (1)
"For Rock Garden Crannies," May 1931. (3)
"Treasures for the Rock Garden," Jan. 1932. (3)

Garden Gossip,

"Rock Garden Notes," Aug., Sept., Nov. 1933. (3)
"Naturalistic Gardens for the Mid-south," Nov. 1933. (5)

Home and Field,

"The Rock Garden in Midsummer," Aug. 1930. (4)

House and Garden,

"Color in the Wild Garden Throughout the Season," Aug. 1925. (4)
"Rock Gardens in the Shade," June 1927. (4)
"House Leeks to Enhance Rock Gardens," Aug. 1929. (3)
"Rock Plant Collecting," Jan. 1930. (5)
"Shrubs for the Rock Garden," Feb. 1930. (5)
"The Tale of the Ideal Rock Garden," Mar. 1930. (3)
"Opportunities of Rock Gardens," Feb. 1931. (2)
"Annuals to Enhance the Rock Garden," Feb. 1931. (2)
"Dwarf Rock Garden Conifers," Oct. 1931. (5)
"The Rock Garden Comes of Age," Oct. 1932. (3)

House Beautiful,

"Winter Rock Gardens," Nov. 1927. (4)
"Rock Gardens with Natural Settings," Mar. 1928. (1)

CHAPTER XI

POOLS AND WATER GARDENS

Many home-owners would like to build garden pools to enhance the charm of their grounds, but the construction seems so complicated that they are discouraged from attempting it. Water lends an air of restfulness and peace which cannot be obtained from any other feature, and the recent publication of *Garden Pools, Large and Small,* by Ramsey and Lawrence, makes it possible for everyone to enjoy this special type of gardening. Instructions are given in how to select the location, how to construct, the kinds of plants to include, as well as interesting pets to select. Many beautiful illustrations and drawings serve to simplify the directions.

Garden Guide has a chapter on goldfish in the garden pool; in Wells's *Natural Gardens of North Carolina* are chapters on fish gardens and bog gardens; a history of water in the garden is found in Wright's *Story of Gardening,* and Findlay's *Garden Making and Keeping* has a chapter on little pools and aquatic plants. Aiken's *Pioneering in Wildflowers* has several interesting chapters relating to bogs.

Subjects for Study

1. Construction of Pools and Water Gardens
2. Water Plants
3. Special Problems Relating to Pools and Water Gardens
   a. Bog Gardens

Special References:

Aiken, *Pioneering in Wildflowers.*
De La Mare, *Garden Guide.*
Findlay, *Garden Making and Keeping.*
Ramsey and Lawrence, *Garden Pools, Large and Small.*
Wells, *The Natural Gardens of North Carolina.*
Wright, *The Story of Gardening.*

Additional References:

American Home,

"Building and Planning a Water Garden," Apr. 1930. (1)
"The Glory of the Pool," Mar. 1931. (1)
"The Witchery of a Water Garden," Mar. 1931. (1)
"Lily Ponds without Mosquitoes," Mar. 1932. (3)
"It's Time to Plan Your Pool," Jan. 1933. (1)
"A Lily Pool Beside the House," May 1933. (1)
"Wintering Tender Waterlilies," Oct. 1933. (3)
"What Water Lilies to Grow," July 1934. (2)

Country Life,

"Pools at Night," Mar. 1930. (3)
"Consider the Water Lilies," June 1930. (2)
"A Pool on the Place," Aug. 1930. (1)
"Pleasant Pools," Aug. 1931. (1)
"Planting the Bog Garden," Feb. 1932. (3)

Arts and Decoration,

"Waterlily Pools on the Pacific Coast," June 1932. (2)

Home and Field,

"Patterns in Pools," Oct. 1931. (1)
"Water Mirrors the Garden Picture," Aug. 1932. (1)

Horticulture,

"Japanese Irises in a Pool," Feb. 15, 1932. (2)

House and Garden,

"Waterlilies: Jewels of the Garden," Mar. 1929. (2)
"Pools, a Large Informal One and a Little One," Oct. 1930. (1)
"How to Make a Garden Waterfall," June 1931. (1)

House Beautiful,

"Waterlilies," Mar. 1932. (2)

CHAPTER XII

BULBS

Bulbs by reason of their habits of growth and form must be considered in a group by themselves. The ease with which they can be handled and their remarkable beauty has long commended them to flower growers. Experiments as far north as Virginia have shown that many so-called tender bulbs are hardy in the open in the South. Even gladioli and montbretias are hardy if given a slight covering and good drainage. The southern gardener should be encouraged to grow the tender bulbs since they lend individuality and character to his garden.

Until recently we have been fortunate in importing many beautiful new bulbs as well as many old varieties, but the present embargo is keeping them all out. This is a great hardship to the gardener who would like to import from many parts of the world bulbs of rare beauty that have never been brought to this country, especially those in South Africa, Mexico and South America.

Two books on bulbs and one on lilies are especially recommended to the bulb grower. Weston's *All About Flowering Bulbs* discusses both bulbs for forcing in the house in winter and bulbs for the garden. The many illustrations are helpful in identifying unfamiliar types. His chapters on spring and summer flowering bulbs, tender bulbs and roots, disease and insect pests, are written for the small home-owner who is interested in growing bulbs. Rockwell's *The Book of Bulbs,* with chapters on bulb gardens, large and small, tulips, daffodils, hyacinths and other spring flowering bulbs, hardy lilies, gladioli, dahlias and begonias and other summer and autumn flowering bulbs, irises, peonies, bulbs for winter bloom, and many other interesting chapters, is a book to delight any gardener.

Marshall's *Consider the Lilies,* first published in a small edition in 1928, received such a tremendous welcome that a large and more beautiful issue was published in 1930. It is difficult to describe the charm of this volume, which is highly recommended to growers of lilies.

The other books listed below as special references contain separate chapters on bulbs and have been more fully described elsewhere in this bulletin.

Subjects for Study

1. Culture of Bulbs
2. Common Bulbs
3. Unusual Bulbs

Special References:

De La Mare, *Garden Guide.*
Findlay, *Garden Making and Keeping.*
Marshall, *Consider the Lilies.*
Rockwell, *The Book of Bulbs.*
Volz, *Home Flower-Growing.*
Weston, *All About Flowering Bulbs.*

Additional References:

American Home,

"Summer Bulbs," May 1933. (3)

Arts and Decoration,

"Varieties of Lilies for the Amateur Garden," Oct. 1928. (2)
"Dahlias are Plants of American Origin," Sept. 1930. (2)

Country Life,

"Narcissus, Beau Brummel of the Garden," Apr. 1930. (2)
"Tulips, Tried and True," May 1930. (2)
"The Lovely Lily," Sept. 1931. (2)

Gardeners' Chronicle,

"Disease-resistant Gladiolus," Jan. 1931. (2)
"Bulb Growing," Feb. 1931. (1)
"New Offerings in Gladiolus," Apr. 1931. (2)
"The Planting of Gladiolus Corms," May 1931. (1)
"*Crocus versicolor*" (Plant Portraits), June 1931. (3)
"Gladiolus from Seed," Aug. 1931 (1)
"Bulb Planting Rules," Oct. 1931. (1)
"Garlics" (Plants of Special Merit), Nov. 1931. (3)

Garden Gossip,

"Butterfly Lily," Nov., Dec. 1933. (3)
"Allium for Mid-summer Bloom," Nov. 1933. (3)
"Guernsey Lilies" (*Nerine*), Dec. 1933, p. 14. (3)

"Bulbs, List for Gifts," Dec. 1933. (2)
"*Allium thibeticum* Notes," Feb. 1934. (3)

Home and Field,

"The Gay Dahlia Plays Thirteen Parts," Aug. 1930. (2)
"Bulb Garden," Sept. 1930. (1)
"Tulips, the Garden's Gayest Deceivers," Oct. 1930. (2)
"Regard the Tulip," May 1931. (2)
"Dahlia Giants," Apr. 1932. (2)
"Consider the Lily," June 1932. (2)
"Bulb Investments, Safe and Sane," July 1932. (2)
"Tender Bulbs" (Not necessarily in the South), Oct. 1932. (3)
"Little Used Bulbs for the Indoor Garden," Nov. 1932. (3)

House and Garden,

"Tulip Time in South Carolina," Feb. 1921. (2)
"Featuring Tulips in May," Oct. 1927. (2)
"Bulbs and Other Flowering Gems," July 1928. (2)
"Tulip Notes for Spring Harmonies," Sept. 1928. (3)
"Tulips in the Tapestry of Spring," Oct. 1928. (2)
"Tritonias, Modern for Summer Gardens," July 1929. (3)
"Among the Newer Daffodils," Oct. 1929. (2)
"Straggling Armies of Daffodils," Mar. 1930. (2)
"Tulip Terraces for Spring," Oct. 1930. (2)
"Hardy Cyclamens for the Garden," Dec. 1930. (3)
"Beauty that Grows in Early Tulips," Aug. 1931. (2)
"Meet the Eleven Tribes of Daffodils," Mar. 1932. (2)
"The Lily Armies Mass their Colors," Apr. 1932. (2)
"An Expert Chooses Five-score Daffodils," Oct. 1932. (2)
"June and the Lilies of the Garden," July 1933. (2)
"New Notes on the Snowdrops," Sept. 1933. (3)

House Beautiful,

"Bulb-time in Holland," Oct., Nov. 1928.
"The New Triumph Tulips," May 1929. (3)
"Fall in Bulbland," Oct. 1929. (2)
"Planting and Caring for Gladioli," Apr. 1930. (2)
"The Tulip Year," May 1930. (2)
"Spring Bulbs for Fall Planting," Sept. 1932. (2)

CHAPTER XIII

HOUSE PLANTS

Some of the most beautiful plants are suited exclusively to pot culture. A number of them are tropical, and the rare and exotic beauty which they bring with them is not found in the plants of gardens in this country. With a few of these plants even the apartment dweller can have as beautiful flowers as the home-owner with grounds and gardens. It is amazing how little attention some house plants require and under what adverse conditions they will succeed.

Those who are interested in information about growing house plants will find it in Palmer's *Milady's House Plants*. The care of palms, ferns, rubber plants, fuchsias, Jerusalem cherries, and scores of other house plants, is discussed in this volume. Instructions for potting, drainage, watering, temperature, sunlight, air and other details are given. What flowers and plants are suitable for hanging baskets and window boxes, how to arrange effective table centerpieces, how to grow bulbs in bowls, and full directions for propagating various house plants are found in this valuable book, illustrated with over a hundred pictures.

House Plants by Barnes gives full instructions for those plants which are *sure* to flourish. How other people have succeeded, making the soil foundation, potting and repotting, raising plants from seed, bulbs from Thanksgiving to Easter, roses, carnations and chrysanthemums are discussed in detail. The beautiful illustrations add to the value of the book.

The Book of Bulbs by Rockwell has one chapter on "Bulbs for Winter Bloom" and is especially recommended. Volz's *Home Flower-Growing* has one chapter on house plants, and the *Garden Guide* has a chapter on "House Plants that are Different."

Subjects for Study

1. Planting and Care of House Plants
2. Bulbs as House Plants
3. Special Problems Relating to House Plants

Special References:

Barnes, *House Plants.*
De La Mare, *Garden Guide.*
Palmer, *Milady's House Plants.*
Rockwell, *The Book of Bulbs.*
Volz, *Home Flower-Growing.*
Weston, *All About Flowering Bulbs.*

Additional References:

American Home,

"Flowers for the Winter Window Garden," Nov. 1931. (1)
"Christmas Plants," Jan. 1932. (3)
"Potting Plants Properly," May 1932. (1)
"Dutch Bulbs as Winter House Plants," Aug., Sept. 1932. (2)
"The Cellar Becomes a Garden," Oct. 1932. (3)
"Making a Terrarium," Nov. 1933. (3)
"The Flowers that Bloom Before Spring," Jan. 1934. (1)

Home and Field,

"Bulbs for the Indoor Garden," Nov. 1931. (2)

Horticulture,

"House Plants for the Holidays," Dec. 15, 1930. (3)

House and Garden,

"Forcing Plants for a Window Garden," Dec. 1929. (1)
"The Care of House Plants," Nov. 1932. (1)
"Proper Care of House Plants," July 1933. (1)

CHAPTER XIV

LAWNS AND THEIR CARE

One of the great gardening problems in the South Atlantic States is the establishment and maintenance of lawns. There is a reason for this trouble. In the first place there is no all-purpose grass for this part of the country. Acid soil prevails in parts of our section and lime soil prevails in other parts; some lawns must be located in shade and others in sun; some can be watered and some must stand the burning sun of mid-summer for weeks at a time. All of these conditions may exist on a single lot at the same time, making lawn-building and maintenance difficult at best. Many have overcome the hazards of establishing a good lawn, only to see it die from undernourishment, washing away, or from some cause unknown to the gardener.

A good lawn does not come by chance and the references recommended below are submitted as a help to those who wish to study the subject and learn more of lawn making and keeping.

Subjects for Study

1. Construction of the Lawn
2. Care and Feeding of the Lawn
3. Lawn Pests
4. Grasses for the Lawn

Special References:

Cridland, *Practical Landscape Gardening,* Chap. V.
De La Mare, *Garden Guide,* Chap. III.
Dickinson, *The Lawn.*
Findlay, *Garden Making and Keeping,* Chap. II.
Olver, *Landscaping the Small Home,* Chap. VI.
Ortloff and Raymore, *New Gardens for Old,* Chap. VII.
Ramsey and Lawrence, *The Outdoor Living Room,* Chap. IX.
Smith, *How to Make a Lawn.* (To be published in 1935)

Additional References:

Better Homes and Gardens,
"Grasses that Make Good Lawns," Mar. 1929. (4)

Gardeners' Chronicle,

"Lawns," May 1931. (1)
"Two Insect Pests of Lawns and Gardens," Nov. 1931. (3)

Home and Field,

"Blue Grass for Green Lawns," June 1931. (4)

Horticulture,

"Gassing Ants in the Lawn," July 15, 1930. (4)
"Dandelions in Gardens and Lawns," July 15, 1930. (3)
"Lawn-making Methods Revised," Sept. 1, 1930. (1)
"Fertilizing of Lawns," Oct. 1, 1930. (2)
"Mowing the Lawn in Late Autumn," Oct. 1, 1930. (2)
"The Early Care of Lawns," Mar. 15, 1931. (2)
"Sulphate of Ammonia, Good Lawn Fertilizer," June 1, 1931. (2)
"Applying Water to the Lawn," July 15, 1931. (2)
"Ridding the Lawn of Dandelions," July 1, 1931. (3)
"Care of the Established Lawn," July 1, 1931. (2)

House and Garden,

"The Bent Grasses," Apr. 1930. (4)
"Grassy Open Spaces Spell Garden Peace," Apr. 1932. (1)

House Beautiful,

"Lawn that Repairs Itself," June 1931. (4)

CHAPTER XV

LANDSCAPE GARDENING

In these days of increased leisure time when people are staying at home more and finding pleasures on the home grounds they never suspected, there is a marked tendency toward making yards and gardens more livable and beautiful. Those who have not given sufficient thought and study to this subject will find help in the books suggested below.

Cridland's *Practical Landscape Gardening* was written for the home-owner of moderate means who is seeking simple and definite instructions in planning his grounds. Starting with the locating and placing of the house, it takes the reader through every step to the completed whole. The beautiful illustrations, sketches and plans enable the builder to see before his eyes what he can do for his property.

Another volume dedicated to small property owners is *Landscaping the Small Home* by Olver. Similar though it is to Cridland's book, there is enough difference to make both of them valuable to the prospective landscape gardener. Two other books, *Garden Guide* and Findlay's *Garden Making and Keeping,* contain chapters relating to planting the home grounds. These four books together with the magazine references will open up a new world to the novice in landscape gardening.

For the home-owner who has had experience in landscape gardening, *New Gardens for Old,* by Ortloff and Raymore, is suggested. It shows in excellent fashion how at small cost one may correct mistakes made in original planning, and make a garden more satisfying with better combinations of colors and newer varieties of plants more suited to the soil.

Subjects for Study

1. Planning the Garden
2. Planting the Garden
3. Garden Architecture
4. Special Problems in Landscape Gardening

Special References:

Cridland, *Practical Landscape Gardening.*
De La Mare, *Garden Guide.*
Findlay, *Garden Making and Keeping.*
Olver, *Landscaping the Small Home.*
Ortloff and Raymore, *New Gardens for Old.*

Additional References:

American Home,

"Garden Gates," Mar. 1933. (2)
"Lath Houses to Temper the Weather," Sept. 1933. (2)
"A Stone Path is Easily Built," Jan. 1934. (2)

Arts and Decoration,

"Pathways in Country Estates," Feb. 1930. (2)
"Water in the Garden," July 1931. (1)
"Lawn in Sun and Shade," Mar. 1932. (3)

Country Life,

"Growing the Perfect Lawn," Jan. 1930. (3)
"Landscaping Grounds for Attraction," July 1930. (1)
"Planting Plans for Small Houses," Oct. 1930. (1)
"Greenhouses of Today," Feb. 1931. (2)
"Planting the Herb Garden," Mar. 1932. (1)

Gardeners' Chronicle,

"Greenhouse Shades," Jan. 1931. (2)
"Grounds, Flowering Trees and Gardens," Mar. 1931. (1)
"The Welcome of a Dooryard Garden," June 1931. (4)

Garden Gossip,

"Naturalistic Gardens for the Mid-South," Nov. 1933. (4)
"Garden Accessories," Dec. 1933. (2)

Home and Field,

"Naturalistic Plantings," May 1930. (1)
"Patio Gardens," June 1930. (4)
"English Lead Figures in the Garden," July 1930. (2)
"Green Lawns for our Delight," Aug. 1930. (3)
"Planning a Small Garden at Small Cost," Jan. 1931. (1)
"The Changing Style in Evergreens," Feb. 1931. (1)
"Sculpture," May 1931. (2)
"Garden Houses and Quiet Outdoor Studios," June 1931. (2)
"Fences by Any Name," July 1931. (2)
"Garages in the Garden Mood," Nov. 1931. (2)
"Foundations for Paths," Dec. 1931. (2)

"The Call of the Cottage Garden," Jan. 1932. (4)
"The Revival of the Herb Garden," Mar. 1932. (1)
"Replanting Grandmother's Garden," Sept. 1932. (1)
"House Around a Courtyard" (for the South), Dec. 1932. (4)
"First Garden," Mar. 1933. (1)

Horticulture,

"A Warning Note About Brick," Feb. 1, 1931. (2)

House and Garden,

"The Development of the Landscape Plan," Feb. 1922. (1)
"Winning Designs for Improvement of Small Suburban Places," Mar. 1922. (1)
"A Garden in the English Spirit," Oct. 1922. (4)
"Southern Foundation Plantings," Jan. 1923. (1)
"The Ideal Cottage Garden," Oct. 1923. (4)
"Designing an Informal Planting," Dec. 1923. (1)
"Orchard on the Wall," Oct. 1927. (1)
"Plants and Planting Against the House," Mar. 1928. (3)
"Fences that Screen and Protect," June 1928. (2)
"Hedge Plants for Different Regions," Aug. 1928. (1)
"Consider the Trellis and Lattice," Sept. 1928. (2)
"House and Garden on Varying Levels," Sept. 1928. (1)
"The Dooryard Garden," Oct. 1928. (4)
"Pleached Allées and Their Plantings," Feb. 1929. (1)
"Varied Designs for Walks and Terraces," June 1929. (1)
"Developing a One-acre Lot," Oct. 1929. (1)
"Japanese Garden Created in the Catskills," Oct. 1929. (4)
"Two Distinguished Plantings," Dec. 1929. (1)
"How to Produce a Perfect Lawn," Jan. 1930. (3)
"Grounds and Gardens for the Modern House," Mar. 1930. (1)
"Old Ornaments in New Gardens," June 1930. (2)
"Pergola for Sunlight and Shade," June 1930. (2)
"Boxwood and the Landscape Scheme," July 1930. (1)
"Linking the Lawns and Gardens," Aug. 1930. (1)
"Planting the Foundations of the House with Winter in Mind," Oct. 1930. (1)
"Dooryard Gardens Bring Charm," Mar. 1931. (4)
"Decorative Garden Leadwork," June 1931. (1)
"Lead Again Comes into the Garden," June 1932. (2)
"Fall Planting Guide," Oct. 1932. (3)
"Fruit Trees Enter Ornamental Planting," Mar. 1933. (1)
"Rock Slabs Come into the Garden," Mar. 1933. (2)

House Beautiful,

"The Latest in Lawn Seeds," Mar. 1929. (3)
"The Value of Vines in the Planting," Mar. 1929. (1)

"Garden Walks," June 1929. (2)
"Fifteen Specimen Shrubs for Bloom," Feb. 1931. (1)
"Combining both Formal and Informal Planting," Apr. 1932. (1)
"Planting the Foundations of the House with Winter in Mind," Nov. 1932. (1)

Ladies Home Journal,

"Hedge Plants that Grow Old Gracefully," July 1931. (1)

CHAPTER XVI

THE OUTDOOR LIVING ROOM

The outdoor living room has come to be a necessary part of the American home grounds. People have discovered the joys of living and entertaining out-of-doors, that food tastes better, that the landscape and the sky are more appealing than the four walls of a room, and that their gardens are interesting to others who come to visit.

The outdoor living room can be used in the South for at least nine months in the year. A large number of winter flowering shrubs and plants can be found to bloom even in December, January and February, and broad-leaf evergreens provide a perpetual green.

It is not a very difficult matter to lay out an outdoor living room, as the book on *The Outdoor Living Room* by Ramsey and Lawrence shows. Every phase of this work is fully explained and there are good illustrations and instructions, as well as many models which can be adapted to one's needs or copied outright. Because of its complete information on how to make a room livable, pleasing and correct, with its living walls of green, its carpet of turf, and its decorations of interesting color, very few other references are offered.

Subjects for Study

1. Planning the Outdoor Living Room
2. Types of Outdoor Living Rooms
3. Location of Outdoor Living Rooms

Special References:

Cary and Merrell, *Arranging Flowers Through the Year.*
Ortloff and Raymore, *New Gardens for Old.*
Ramsey and Lawrence, *The Outdoor Living Room.*
American Home, "Patios and Terraces," Aug. 1934.

SPECIAL REFERENCES

Numerals refer to chapters in which the titles are used.
For addresses of publishers see page 53.

Aiken, G. D.	*Pioneering with Wildflowers.* 1933. (10, 11)	Aiken	$ 2.00
Ashe, W. W.	*Shade Trees of North Carolina.* 1908. (4, 9)	N. C. Geol. Survey	O.P.
Averill, Mary	*The Flower Art of Japan.* 1927. (3)	Dodd	3.00
———	*Japanese Flower Arrangement.* 1927. (3)	Dodd	3.00
Barnes, P. T.,	*House Plants and How to Grow Them.* 1934. (13)	Doubleday	2.00
Cary, K. T., and Merrell, N. D.	*Arranging Flowers Throughout the Year.* 1934. (3, 16)	Dodd	3.50
Coker, W. C., and Hoffmann, Eleanor	*Design and Improvement of School Grounds.* 1921. (4, 9)	U. N. C. Press	O.P.
———, and Matherly, Enid	*How to Know and Use the Trees.* 1924. (4, 9)	U. N. C. Press	1.00
———, and Totten, H. R.	*Trees of the Southeastern States.* 1934. (4, 9)	U. N. C. Press	2.00
Cridland, R. B.	*Practical Landscape Gardening.* 1929. (14, 15)	De La Mare	2.50
De La Mare, A. T. and others	*Garden Guide, the Amateur Gardener's Handbook.* 1934. (5, 6, 7, 8, 10, 11, 12, 13, 14, 15)	De La Mare	2.50
Dickinson, L. S.	*The Lawn.* 1930. (14)	Judd	1.25
Findlay, Hugh	*Garden Making and Keeping.* 1932. (6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16)	Doubleday	1.95
Fisher, Edith R.	*The Garden Club Manual.* 1931. (1)	Macmillan	2.00
Garden Club of Virginia	*Amateur Flower Shows.* 1933. (1)	The Club	25 cents
Green, Charlotte H.	*Birds of the South.* 1934. (5)	U. N. C. Press	1.50
Halligan, C. P.	*The Rock Garden.* Bull. No. 228. 1933. (7, 10)	Michigan State College	Free
Hottes, A. G.	*The Book of Perennials.* 1933. (7)	De La Mare	2.00
———	*The Book of Shrubs.* 1931. (8)	De La Mare	3.00
———	*The Book of Trees.* 1932. (4, 9)	De La Mare	3.50
Lohmann, K. B.	*Principles of City Planning.* 1931. (4)	McGraw-Hill	4.00
McCully, Anderson	*American Alpines in the Garden.* 1931. (10)	Macmillan	2.50
Marshall, W. E.	*Consider the Lilies.* 1929. (12)	Marshall	2.00
Mulford, F. L.	*Horticultural Exhibitions.* 1919. (1)	Gov't. Printing Office	10 cents

Olver, E. W.	*Landscaping the Small Home.* 1931. (14, 15)	De La Mare	2.00
Ortloff, H. S.	*Annuals in the Garden.* 1932. (6, 10)	Macmillan	1.25
———	*Perennial Gardens.* 1931. (7, 10)	Macmillan	1.25
———	*A Garden Bluebook of Annuals and Biennials.* 1924. (6)	Doubleday	1.85
———, and Raymore, H. B.	*New Gardens for Old.* 1934. (14, 15, 16)	Doubleday	2.00
Palmer, F. E.	*Milady's House Plants.* 1926. (13)	De La Mare	1.25
Ramsey, L. W., and Lawrence, C. H.	*Garden Pools, Large and Small.* 1930. (11)	Macmillan	2.50
———	*The Outdoor Living Room.* 1931. (14, 16)	Macmillan	2.50
Randall, G. O.	*Home Culture of Roses.* 1934. (8)	N. C. State College	Free
Rockwell, F. E.	*The Book of Bulbs.* 1932. (3, 12)	Macmillan	2.00
———	*Rock Gardens.* 1928. (10)	Macmillan	1.00
Rogers, J. E.	*Trees Worth Knowing.* 1925. (9)	Doubleday	O.P.
Smith, A. W.	*How to Make a Lawn.* (To be published 1935.) (14)	Doubleday	50 cents
Thornton. Archie	*The Rock Garden Primer.* 1931. (10)	De La Mare	2.00
U. S. Dep't. of Agriculture	*Gourds for Bird Houses.* 1929. (5)	Gov't. Printing Office	5 cents
———	*Herbaceous Perennials.* Farmers' Bull. No. 1381. 1929. (7)	Gov't. Printing Office	10 cents
———	*Homes for Birds.* Farmers' Bull. No. 1456. 1930. (5)	Gov't. Printing Office	5 cents
———	*How to Attract Birds in the Middle Atlantic States.* Farmers' Bull. No. 844. 1932. (5)	Gov't. Printing Office	5 cents
———	*Roses for the Home.* Farmers' Bull. No. 750. 1932. (8)	Gov't. Printing Office	5 cents
———	*Winter Feeding of Wild Life on Northern Farms.* Miscellaneous Pub. No. 159. 1933. (5)	Gov't. Printing Office	5 cents
Volz, E. C.	*Home Flower-Growing.* 1928. (1, 3, 6, 7, 10, 12, 13)	Macmillan	3.50
Wells, B. W.	*The Natural Gardens of North Carolina.* 1932. (9, 10, 11)	U. N. C. Press	3.50
Weston, T. A.	*All About Flowering Bulbs.* 1931. (12, 13)	De La Mare	2.00
White, E. A.	*Principles of Flower Arrangement.* 1926. (3)	Dodd	3.00

Wilder, L. B.	*Adventures in a Suburban Garden.* 1931. (10)	Macmillan	3.50
———	*The Fragrant Path.* 1932. (6, 7, 8, 9, 10)	Macmillan	3.00
———	*The Rock Garden.* 1933. (10)	Doubleday	1.50
Wildon, C. E.	*Lists of Rock Garden Plants.* Supp. to Bull. No. 228. 1933. (10)	Michigan State College	Free
Wright, Richardson	*The Story of Gardening.* 1934. (2, 11)	Dodd	3.00

ADDRESSES OF PUBLISHERS WHOSE BOOKS ARE USED AS REFERENCES

(Numerals refer to chapters in which the books are used.)

Aiken, George D., Putney, Vermont. (10, 11)

De La Mare (A. T.) Co., Inc. (4, 5, 6, 7, 8, 10, 11, 12, 13, 14, 15) (See Dodd)

Dodd, Mead & Co., 443 Fourth Ave., N. Y. C. (Agents also for De La Mare) (2, 3, 11, 16)

Doubleday, Doran & Co., Garden City, N. Y. (6, 7, 9, 10, 11, 12, 13, 14, 15, 16)

Garden Club of Virginia, Care Mrs. William R. Morton, University, Va. (1)

Government Printing Office, Washington, D. C., (1, 5, 7, 8)

Judd (Orange) Pub. Co., Inc., 15 East 26th St., N. Y. C. (14)

McGraw-Hill Book Co., Inc., 330 W. 42nd St., N. Y. C. (4)

Macmillan Co., 60 Fifth Ave., N. Y. C. (1, 3, 6, 7, 8, 9, 10, 11, 12, 13, 14, 16)

Marshall (W. E.) & Co., Inc., 150 W. 23rd St., N. Y. C. (12)

Michigan State Agricultural College. Agricultural Experiment Station, East Lansing, Michigan. (10)

North Carolina Geological Survey, Raleigh, N. C. (4, 9)

North Carolina State College, Agricultural Extension Service, Raleigh, N. C. (8)

University of North Carolina Press, Chapel Hill, N. C. (4, 5, 9, 10, 11)

Copies of the magazines may be obtained from the H. W. Wilson Co., 950 University Avenue, New York City.

TERMS FOR THE COURSE

The registration fee for the course, The Southern Garden, is $7.00 in North Carolina, $10.00 elsewhere. For this fee ten copies of the program are supplied and all necessary Special References for preparing papers are loaned. Very few of the magazine articles, listed as Additional References, are in the Extension Library collection, but it is hoped that they may be obtained from local and private libraries. The club pays transportation charges both ways on borrowed material, and in North Carolina twenty-five cents for each copy of the program additional to the ten that are sent for the fee. Clubs out of the state pay fifty cents for additional copies of the bulletin. Members of non-registered clubs desiring to borrow material for any of these programs may do so by paying a fee of fifty cents for each meeting, with the understanding that the members of registered groups have the first choice of material.

If the course is not completed within twelve months after registering, a new fee of $5.00 will be required in order to continue it through a second year.

The references will be sent three or four weeks in advance of each meeting, and may be kept until the meeting is over. A fine of five cents a day accumulates on each package kept over time.

For further information address:

The University of North Carolina Library,
Extension Department,
Chapel Hill, N. C.

SCHEDULE OF MEETINGS

First Chapter: The Garden Club and Flower Show

Date.....

1. Garden Clubs
2. Flower Shows

Second Chapter: The History of Gardening

Date.....

1. The Ancient Garden
2. The European Garden of To-day
3. The English Garden of To-day
4. The American Garden of To-day

Third Chapter: The Arrangement of Flowers for Decoration

Date.....

1. Containers for Arranging Flowers
2. Types of Flower Arrangements
3. Decorating with Flowers

Fourth Chapter: Decorating the Town, City and Highway

Date.....

1. City Planning
2. Parks and Playgrounds
3. Improving School Grounds
4. Street and Roadside Planting
5. Shade Tree Planting

Fifth Chapter: Birds in the Garden Date.....

1. Local Birds
2. Feeding and Protection of Birds
3. Bird Houses

Sixth Chapter: Annuals and Biennials Date.....

1. Annuals
2. Biennials

Seventh Chapter: Perennial Gardens Date.....

Part I. Common and Unusual Perennials

1. Sowing and Cultivation of Perennials
2. Unusual Perennials
3. Common Perennials

PART II. Herb Gardens and Special Problems.

Date.....

1. Herbs
2. Special Problems Relating to Perennial Gardens

Eighth Chapter: SHRUBS Date.....

1. Cultivation of Shrubs
2. Common Shrubs
3. Unusual Shrubs
4. Special Problems Relating to Shrubs

Ninth Chapter: TREES Date.....

1. Native Trees
2. Foreign Trees
3. Use of Trees

Tenth Chapter: ROCK GARDENS Date.....

1. Construction and Cultivation of Rock Gardens
2. Annuals for Rock Gardens
3. Perennials for Rock Gardens
4. Problems of Rock Gardens
5. Special Subjects Relating to Rock Gardens

Eleventh Chapter: POOLS AND WATER GARDENS

Date.....

1. Construction of Pools and Water Gardens
2. Water Plants
3. Special Problems Relating to Pools and Water Gardens

Twelfth Chapter: BULBS Date.....

1. Culture with Bulbs
2. Common Bulbs
3. Unusual Bulbs

Thirteenth Chapter: HOUSE PLANTS Date.....

1. Planting and Care of House Plants
2. Bulbs as House Plants
3. Special Problems Relating to House Plants

Fourteenth Chapter: LAWNS AND THEIR CARE

Date.....

1. Construction of the Lawn
2. Care and Feeding of the Lawn

3. Lawn Pests
4. Grasses for the Lawn

Fifteenth Chapter: Landscape Gardening Date.....

1. Planning the Garden
2. Planting the Garden
3. Garden Architecture
4. Special Problems in Landscape Gardening

Sixteenth Chapter: The Outdoor Living Room
Date.....

1. Planning the Outdoor Living Room
2. Types of Outdoor Living Rooms
3. Location of Outdoor Living Rooms

Name of Club.....Reg. No.....

City and State.....

Names and Addresses of:

President .....

Chairman of Program Committee.....

Secretary-Treasurer .....

UNIVERSITY OF NORTH CAROLINA EXTENSION BULLETINS

OUTLINES FOR INDIVIDUAL AND GROUP STUDY

Single copies, 50 cents each. For North Carolina clubs, single copies, 25 cents each.

Vol. III, No. 8. *Studies in the History of North Carolina.* R. D. W. Connor.
Vol. III, No. 5. *Studies in Citizenship for Women.* Revised Edition. D. D. Carroll.
Vol. III, No. 13. *Present Day Literature: Good Books of 1923-1924.* C. S. Love.
Vol. IV, No. 13. *Great Composers, 1600-1900.* Paul John Weaver.
Vol. V, No. 8. *Good Books of 1924-1925.* Cornelia S. Love.
Vol. V, No. 5. *Studies in the History of Contemporary Europe.* C. P. Higby.
Vol. V, No. 9. *A Study of Shakspere.* Russell Potter.
Vol. V, No. 10. *Studies in Southern Literature.* Revised Edition. Addison Hibbard.
Vol. V, No. 14. *Current Books: 1925-1926.* Cornelia Spencer Love.
Vol. VI, No. 8. *A Study Course in International One-Act Plays.* Ethel T. Rockwell.
Vol. VI, No. 4. *Studies in the Development of the Short Story: English and American.* L. B. Wright.
Vol. VI, No. 9. *Studies in Modern Drama.* Revised Edition. Elizabeth L. Green.
Vol. VI, No. 11. *Pre-School Child Study Programs.* Harold D. Meyer.
Vol. VI, No. 12. *Studies in American Literature.* Revised Edition. Addison Hibbard.
Vol. VI, No. 13. *Modern French Art.* Russell Potter.
Vol. VII, No. 2. *Adventures in Reading:* Current Books, 1926-1927. Russell Potter.
Vol. VII, No. 4. *Our Heritage: A Study Through Literature of the American Tradition.* James Holly Hanford.
Vol. VII, No. 14. *The Negro in Contemporary American Literature.* E. L. Green.
Vol. VIII, No. 2. *Other People's Lives: A Biographical Round-up.* Current Books, 1927-1928. Cornelia Spencer Love.
Vol. VIII, No. 8. *Contemporary Southern Literature.* Howard Mumford Jones.
Vol. VIII, No. 4. *Recent Poetry from the South.* Addison Hibbard.
Vol. VIII, No. 9. *Contemporary Spanish Literature in English Translation.* Agatha Boyd Adams and Nicholson B. Adams.
Vol. VIII, No. 10. *Adventures in Reading, Second Series:* Current Books, 1928-1929. Russell Potter.
Vol. VIII, No. 11. *A Study of South America.* W. W. Pierson, Jr., and C. S. Love.
Vol. IX, No. 2. *A Study of American Art and Southern Artists of Note.* Mary deB. Graves.
Vol. IX, No. 3. *A Study Course in American One-Act Plays.* Revised Edition. Ethel T. Rockwell.
Vol. IX, No. 6. *Folklore.* Ralph Steele Boggs.
Vol. IX, No. 7. *The French Novel in English Translation.* U. T. Holmes, Jr.
Vol. IX, No. 9. *Art History.* Mary deB. Graves.
Vol. IX, No. 10. *The South in Contemporary Literature.* Addison Hibbard.
Vol. X, No. 1. *Adventures in Reading, Third Series:* Current Books, 1929-1930. Marjorie N. Bond and Richmond P. Bond.
Vol. X, No. 6. *Other People's Lives, Second Series.* 1929-1930. C. S. Love.
Vol. X, No. 7. *America and her Music.* Lamar Stringfield.
Vol. X, No. 8. *Studies in Confederate Leadership.* Fletcher M. Green.
Vol. X, No. 10. *Books of Travel.* Revised Edition. Urban T. Holmes, Jr.
Vol. XI, No. 1. *Adventures in Reading, Fourth Series:* Current Books, 1930-1931. Marjorie N. Bond and Richmond P. Bond.
Vol. XI, No. 2. *The Far East, with Special Reference to China, its Culture, Civilization, and History.* James Alexander Robertson.
Vol. XI, No. 5. *Heroes of the American Revolution.* Fletcher M. Green.
Vol. XI, No. 8. *Romance of the Western Frontier.* Fletcher M. Green.
Vol. XII, No. 1. *Modern Russia.* Eston Everett Ericson and Ervid Eric Ericson.
Vol. XII, No. 2. *Famous Women of Yesterday and Today.* Cornelia S. Love.
Vol. XIII, No. 1. *Twentieth-Century American Literature.* Revised Edition of *Contemporary American Literature.* Marjorie N. Bond.
Vol. XIII, No. 2. *Other People's Lives, Third Series.* 1932-1933. Cornelia S. Love
Vol. XIII, No. 4. *Everyday Science.* C. E. Preston.
Vol. XIII, No. 5. *Adventures in Reading, Sixth Series:* Current Books, 1933. Marjorie N. Bond.

TERMS FOR INDIVIDUALS OR GROUPS. For a registration fee of $3.00 to $7.00 in North Carolina, $6.00 to $10.00 elsewhere, ten copies of the chosen program are supplied and all necessary references for the preparation of papers and discussions. All clubs pay transportation charges both ways on borrowed material. Additional copies of programs over ten are 25 and 50 cents.

FURTHER INFORMATION. Write to The *University of North Carolina Library,* Extension Department, Chapel Hill, N. C.