NEWSLETTER

VOL. IX No. 1  October 1968

The President's Message

Last week I returned from Europe where, during the months of June and July, I visited many public parks and gardens. If the densely populated large cities of Germany, Austria, and Switzerland can afford space for not one but several parks and gardens, why cannot we, here in North Carolina?

The preceding is by way of a preamble to a discussion of an article that appeared in the Greensboro Daily News on Sunday, July 14, concerning Umstead Park. The unique character of the magnificent native flora there would be utterly destroyed if the plan outlined in the paper is followed. I am all in favor of the activities indicated in the diagram but not on this site!

Let me urge every member to bring whatever pressure and influence possible on members of your local garden clubs, civic development groups and state legislators to preserve William B. Umstead State Park in its natural condition.

Herbert Hechenbleikner

The Fall meeting is Sunday, October 6, 1968 at Umstead State Park. Bring your picnic basket and drinks, wear comfortable shoes and hiking clothes. 10:30 A.M.

PAST PRESIDENTS OF N.C.W.F.P.S.

1951 - 1952  Mrs. Herbert P. Smith
1952 - 1954  Mr. J. A. Warren
1954 - 1956  Mrs. Paul Spencer
1956 - 1958  Mr. Lionel Melvin
1958 - 1960  Mrs. Carl Pegg
1960 - 1962  Mr. Walter Braxton
1962 - 1966  Mr. W. Gordon Butler
1966 - 1968  Dr. H.R. Totten
Minutes of Spring Meeting:

The Spring meeting of the North Carolina Wild Flower Preservation Society was held in the Asheville area May 18, 19th and 20th, 1968. At 2 o'clock on Saturday a caravan of 7 or more carloads took a trip through Bumardsville to Cane River Gap in Pisgah National Forest. Mr. William Böttstein of the U.S. Forest Service was our guide. Among the wild flowers seen were: Showy Orchis (Orchis spectabilis); Larkspur (Delphinium tricorne); Speckled Wood Lily (Clintonia umbellulata); Squawroot (Conopodis americana); one-flowered cancer-root (Orobanchus uniflora); Dutchman's Pipe (Aristolochia dourior); Wild Ginger (Asarum canadense); Umbrella-leaf (Diphylleia cymosa) and Blue Cohosh (Caulophyllum thalictroides).

Those not going on the Pisgah Forest trip visited Don Ogden's garden. At 8:15, Saturday evening the business meeting was held in the Lecture Hall of the Humanities Building, Asheville-Biltmore College. Outgoing vice-president, Mr. Thomas Shinn opened the meeting with the introduction of Dr. Perry of the Biology Department of Asheville-Biltmore College. Dr. Perry was pinch-hitting for Dr. Highsmith who could not attend the evening meeting. After Dr. Perry's welcome, Mr. Shinn turned the meeting over to the President, Dr. Totten. Mrs. Pearson Steward, Recording Secretary gave a resume of the Fall meeting and of the Executive Board meeting. (Full reports are printed in the Newsletters).

In a report about the "Flower Hill" area near Wilson, Dr. J.P. Tyndall explained what had been done by the Wilson people. They had found out that the property belonged to Mr. John Lewis Vass who was interested in preserving it. He would welcome the help of the Society possibly in using its name on signs and in helping to police the area. In the Flower Hill area is the most eastern stand of Rhododendron catawbiense var. insularis. During its blooming season (around the first week in May), people break off the blooms and decorate their cars with them. A motion was made by Mr. Gordon Butler that we join in helping preserve the area. Mr. George Stephens proposed an amendment that our co-operation might apply to other areas that might need immediate protection and that the Board of Directors be given the authority to act in these cases. The Motion and the amendment carried.

Miss Bessie Pope, the Treasurer, reported a balance on hand May 18, 1968 of $205.73.

The following slate of officers was presented by the Nominating committee and elected:

President: Dr. Herbert Hechenbleikner
Vice Pres: Dr. Marjorie Newell
Corres. Sec: Mrs. Charles Hubbard

As unfinished business the question of raising the dues was brought up. Mrs. Francis Harper made a motion that the dues remain at a dollar. The motion passed. During the discussion Mrs. Hugh Brinton suggested that we might have sustaining members as well as regular members. Dr. Hechenbleikner felt that if a special need for the money should arise, a memorandum could be sent to the members asking them to chip in.

A letter from a group in Philadelphia asking for a testimonial for the benefit of Dr. Edgar Tli Wherry, a retired Professor of Botany, University of Pennsylvania, a longtime dedicated wild flower conservationist. Upon a motion by Dr. William Justice, it was voted to send $50.00 from the Club treasury to the Wherry fund. Those wishing to send personal contributions are to send them to Dr. Totten who would forward the donations to the Treasurer, Mrs. Edmund D. Thomas. Because of an inadequate pension and recent medical bills due to his wife's illness, Dr. Wherry is in financial straits.
Spring meeting (page 2)

Mr. George Stephens recommended that the Society have standing committees in each portion of the state - field forces. Dr. E. L. Demmon, president of the Asheville-Biltmore Botanical Garden, gave a brief history of the garden and gave much credit to the lady members of the organization.

Dr. William Justice showed some of his excellent slides of our North Carolina wild flowers. The book of Wild Flowers of North Carolina in which 400 of his slides are reproduced has just been published. Copies of the book were on sale at the social gathering following the business meeting. Cookies and punch were served by members of the Asheville-Biltmore Botanical Garden.

Dr. Herbert Hechenbleikner conducted the last part of the meeting. The business meeting adjourned at 10:10 P.M.

On Sunday from 10 o'clock until lunchtime, members visited the Gardens. After luncheon in the cafeteria some 92 members went to visit the Thomas Shinn's home and wild flower area in Leicester. At the Shinn's, Dr. Justice, Mr. Nottstein, and Mr. Charles Moore (of the Duke Power office in Brevard) were on hand to identify the numerous plants from all over North Carolina - plants of the savannas as well as mountain plants.

On Monday a sizable group was escorted to the Jocassee, South Carolina area. Mr. Charles Moore arranged to guide us through the construction vehicles to the shortia area where plants were obtained. The area will be completely flooded by the Duke Power Company's Keowee-Toxaway Dam project. Without Mr. Moore's help we couldn't have been able to go through the construction area.

The long weekend meeting was the most interesting one the secretary had attended. Mr. & Mrs. Shinn deserve a great deal of praise for it.

Mrs. Pearson H. Stewart
Recording Secretary

******************************************************************************

Minutes of the Board Meeting: August 25, 1968

Twenty three board members of NCWFPS, Inc., met at Smithwin home of the H.P. Smiths, Liberty, N.C., for an abundant lunch after which Dr. Herbert Hechenbleikner of Charlotte, N.C., our President, presided over the business session.

The minutes of the spring meeting were read by Dr. Hechenbleikner in the absence of the Recording Secretary, Mrs. Pearson Stewart.

Mr. Gordon Butler expressed appreciation for the work Mr. and Mrs. Thomas Shinn did to make the spring meeting in Asheville such a success.

Dr. H.R. Totten announced that over $10,000.00 had been raised for the Dr. Edgar T. Wherry Testimonial Fund.

Mrs. Herbert Smith spoke of the wild flower section in the Elizabethan Garden and asked that the NCWFPS, Inc., donate a suitable seat to be placed in this section. She also expressed concern for expenses of the officers of our organization and brought up the subject of screening our membership.

The question of raising dues came up again, as it always does, even though it was voted at the spring meeting not to make any change. Dr. Hechenbleikner appointed the following committee to study: donation of the Elizabethan seat; expenses of the officers; screening of membership and raising of dues: Dr. H.R. Totten, Mrs. Walter Braxton and Mr. Lionel Melvin.
Fall Board meeting continued:

Urban growth vs The Wilderness was discussed concerning the 5,200
acre Umstead State Park near Raleigh, N.C. Opposition was expressed
by the group. Mrs. J. A. Warren asks that opposition be made to the responsible
parties. Dr. Hechenbleikner offered to draft the opposition, and send it
to the proper authorities.

Dr. Hechenbleikner suggested that our fall meeting be in Umstead Park
October 6, 1966. It was the consensus of the Board that Dr. Hossis Rogers
would make the ideal speaker.

Mrs. E. Gregory Lewis was appointed Publicity Chairman.

Mrs. J. A. Warren voiced her appreciation for the Herbert F. Smith's
hospitality, also she liked the idea of the NCWFPS, Inc. donating a
bench for the wild flower section of the Elizabethan Garden.

Mrs. Walter B. Braxton brought up the subject of donations of the
book, "The Natural Gardens of North Carolina" by Dr. B. W. Wells as
memorials. After some discussion the board was unanimous in placing mem-
orials in the proper libraries in the names of: Miss Josephine Pritchard
and Mr. J. A. Warren of Chapel Hill, N.C. Mr. and Mrs. James N. Plaster
of Winston-Salem, N.C., also Dr. H. L. Blomquist of Durham, N.C.

"Ferns of North Carolina" by Dr. H. L. Blomquist is now out of print.
Dr. H. R. Totten was asked to look into the possibility of a reprint.
Dr. Totten reported that "trees of the Southeastern States" by Coker and
Totten will not be reprinted.

All business being taken care of, Dr. Francis Harper regaled us
with an interesting story on Shortia. Dr. Harper gave us the true type
locality which is not the one usually given in textbooks.

Walter B. Braxton
Secretary pro tem

*********

This article on Shortia was given to the Greensboro Wildflower Club
in November 1959 as a pinch hit for the regular program, and is being
used in our Newsletter at the request of Mr. Lionel Melvin. (Ed.)

Shortia

by

Mrs. Walter B. Braxton

Shortia, Oconeé-Bells (Shortia galacifolia) the mystery plant of the
mountains of western North Carolina was first discovered by a French Botan-
ist, André Michaux, December 8, 1788. He had been sent to America by the
French Government to seek new plants that possibly might be of value to
France. Our rhododendron was given its scientific name by Michaux. In his
search through western North Carolina and eastern Tennessee, André Michaux
found and described many new species and carried back to France pressed
specimens and placed them in the Jardin des Plantes in Paris. Some were
labeled "unknown" and among these was a leaf and root of this plant growing
in the mountains of western Carolina.
Perhaps many botanists studied the specimens with no identity over a period of the next fifty years. Then Asa Gray, a young American botanist, became intrigued with the specimen and recognized it as a new genus, and wrote a scientific description of the genus from the single specimen in France.

This unknown specimen resembled galax, which grows profusely in the mountains. To honor Dr. Charles W. Short, an able botanist of Kentucky, Gray devised the scientific name of the genus, Shortia. And, since it did resemble galax, the species name became Shortia galacifolia.

Gray soon returned to America and began his search, high in the mountains of his native state for Shortia. In 1842 Dr. Gray was appointed professor of natural history at Harvard University. For forty years on every field trip high in the mountains of North Carolina, Gray hunted for the elusive Shortia. He found many plants and published manuals on botany, but always the little specimen in Paris continued to haunt.

Then on an April day, George Hyams went fishing in the Catawba River in McDowell County. His father was a botanist employed Wallace Brothers of Statesville, their firm collected plants for pharmaceutical purposes. It was only natural that George as he idly tended his fishing pole would check the flora for something interesting to carry home to his father. Nodding and swaying in the breeze were some charming bell-shaped, waxy white flowers, on slender stems, with irregularly toothed petals, growing from a rosette of waxy-margined, roundish-shiny evergreen leaves, similar to the familiar mountain galax. George decided on this plant to take home to his father. Mr. Hyams himself did not know the plant. But it looked so interesting, and was so breath-takingly lovely that he sent a specimen to Dr. Gray at Harvard University to be identified. Imagine George's as well as his father's excitement when by return mail Dr. Gray replied, "You have stumbled on what for many years I have tried so hard to find. Shortia has been rediscovered."

Dr. Gray soon arrived in Statesville bringing several eminent botanists and they were taken to the McDowell County Shortia. Dr. Gray felt sure that he had been misled by Michaux's description of the habitat of Shortia. Instead of the mountain tops where he had always looked, it had been found along a stream in the Foothills. Michaux's directions had been fairly specific, but his continual references to the "high mountains" misled Gray the botany-detective. Michaux had written, "The head of the Keowee is the junction of two torrents of considerable size which flows in cascades from the high mountain..."

Shortia, the mystery flower of the mountains soon became so famous, that pressed specimens of a single plant were selling for fifty dollars. Some years after young Hyams had rediscovered Shortia, Professor C. E. Sargent and Frank Boynton after studying Michaux's diary retraced his route through western North Carolina. They arrived at Bear Camp Creek, in Sapphire County in the vicinity of Lake Toxaway and Highlands on December 9, 1886. There they found the original bed of Shortia, found by Michaux, covering several acres. When Prof. C. E. Sargent and Frank Boynton returned the following spring, the entire hillside was covered with the waxy-white flowers.

Shortia makes a good ground-cover under rhododendrons. It needs a shady site with an acid soil, rich in humus, plenty of water, and to be mulched regularly with oak leaves. It spreads mostly by runners, and grows in luxuriant, dense colonies where conditions are to its liking. It's delicate white flowers last for several days. It is one of the most coveted plants of any wild flower garden.

Why Shortia is so restricted in its habitat does not seem to be known. But Dr. B. W. Wells, retired North Carolina State College botanist, says, "Shortia is a lingering survival of another botanical age, on the way to extinction."
A collector has written, "No idea of the beauty of this plant can be formed until it has been seen in its native home. The mass of glossy green and white, once seen, can never be forgotten." It was never Gray's privilege to see Shortia at the height of its blooming period which is the latter part of March into early April.

Of the 25,000 botanical specimens that Gray classified, before he died, Gray asked that, Shortia cover his grave at Cambridge, Massachusetts. In Gray's life many honors had come to him but they were as naught compared to the discovery of the little mountain plant that Dr. Asa Gray named Shortia.

Shortia uniflora (Nippon Bells), is a native to Japan. It is different in that it has more heart-shaped leaves.

Shortia californica sometimes listed is the Composite, Baeria coronaris, popularly known as Goldfields.

Our mystery plant, Shortia lost for a hundred years with its rare delicate beauty is probably to be found growing more in cultivation now than in its wild state. North Carolina is rich in rare, and semi-rare, and not so rare plants. It behooves us as dedicated lovers of nature to do all within our power to keep her clean and green.

Ref: State, October 3, 1959, Vo. 27 No. 9, page 7.

THE MOUNTAINS OF NORTH CAROLINA

by

Nell Lewis

How wonderful are our mountains! Great towering peaks, cuddling hills securely in their laps and with swiftly running creeks at their feet, constantly beckon to work-weary, city-tired people to come unto them, where yesterday slips away and tomorrow becomes as distant as the far vistas.

Standing like a stern, yet kind parent over the rest of the state, the mountains are magnificent in their four seasons of beauty. Modern day transportation and smooth, serpentine highways allow us to choose our favorite time to enjoy the quietness there.

Perhaps only the rugged individuals can hear the call of winter from the mountains, stilled by ice and snow with only the winds from the far north to crackle and break the silence.

Few, indeed, are the people who can resist the melody of spring as she yawns and stretches far and wide over the hills, leaving behind a trail of merging greens and splashes of soft, rainbow hues.

Summer, so sultry that even day arrives clad only in a filmy negligee of gray fog, nonetheless teases with cool nights and city dwellers flock to the mountains, seeking relief from the unbearable heat of the lowlands.

But is it autumn, riotous with color, that compels more of us to wind our way over and around this vast area of North Carolina that was little known to the outside world at the turn of the century. Here, now, is splendor beyond compare. Trees in bold shades of red, yellow and purple blend with the evergreen ones to create the great palette of the Master Artist.
Wildflowers of early fall add their sparkle to the scene; asters and goldenrods dominate; sweet Joe Pye weed, ironweed and thistles begin the first purple haze of autumn; the blue of the gentians is almost lost in the deepening shadows; and the lobelias amble across meadows and drift on down to the streams.

Bitter-sweet, like flames of fire, race unchecked along fence rows, over shrubs and up through stately trees, while seedpods of staghorn sumac, "hearts a-bustin' with love", false Solomon seal and teaberry glow like remaining red embers.

There is so much to see, so much to enjoy, there among the hills. Each day puts on a new face, a new dress, a subtle perfume. Color everywhere! - - - wild, clamoring, busy, restless, yet subdued by the lovely loneliness of autumn.

CONSERVATION OF PLANT SPECIES
Holli J. Rogers, University of North Carolina
at Greensboro

The rapid increase in the human population with the resulting pressure on the natural resources is endangering the survival of numerous species of native plants. Urban expansion, atmospheric pollution, highway construction, water storage, strip mining, airport extension, modern farming and herbicide application is resulting in a serious reduction of the native habitat of many plant species. The college students of the present generation who were required to turn in 50 to 100 plant specimens for high school biology may now be expected to submit one, two or three collections of similar size in order to complete their program in the biological sciences. They may then be certified to teach biology and may thereby require their students to search through the ruins for an equal number of specimens. Records of the distribution of the former range of the species may soon replace the observation of the living plant.

(Presented to the Botany Section, Association of Southeastern Biologists, meeting in Athens, Georgia, April 19, 1968.)

Notes from the Editor:

The pebble that was tossed into the lake by Mrs. C. A. Graham, Sr. in 1951 when she was the Director of District Six of the Garden Clubs of North Carolina has continued in an ever widening circle. Mrs. Graham had a dream and set about making her dream come true. Each Director of a garden club district wants their District to win a state award for outstanding work during their term of office. Mrs. Graham’s dream was to organize a State Wild Flower Preservation Society in the same manner as the National Wild Flower Preservation Society. The Organizational meeting was at SMithwin, the home of Mr. & Mrs. Herbert F. Smith, with Mrs. Smith as the first president, April 29, 1951. Mrs. Graham won her award.

During the tenure of office of eachsuccessional president the organization has grown. Dr. H. R. Totten of Chapel Hill, N. C., has just completed two years as President of the North Carolina Wild Flower Preservation Society, Inc., in which time the organization has grown from some two hundred members to a three hundred and fifty membership. Dr. Totten has that rare ability of being able to calm the most turbulent waters and
Editor's notes cont'd...

keep things running on an even keel. Dr. Totten was at the organizational meeting and Dr. Totten has attended every meeting since. His quiet, unassuming, force has been a powerful factor in the effectiveness of this organization since its inception. We appreciate all that Dr. Totten has done in the past and all that he will continue to do over the years ahead.

Miss Bessie Pope, our Treasurer for over these many years, has a new ledger with the membership names and addresses listed in it. She needs help with Mrs. Margaret Lee who has paid dues but but omitted her address. Who can furnish Miss Pope with this information?

Miss Bessie Pope also asks that members who have not paid their 1968-69 dues, please send check to Miss Bessie Pope, P.O. Box 1264, High Point, N.C., 27261. For $1.00 before the October 6, 1968 meeting. It is a tremendous job to keep up with our membership and their dues, so if you have information vital to her records, please put it on paper and send it to her. Miss Pope has a thankless job, a vital one and a time consuming one. She would appreciate each member's cooperation in making her work as easy as possible.

The good news comes to your editor about our organization's first librarian, C. Clinton Lindley, Jr., of the Nosegay Flower Shops in New York City was granted the coveted Sylvia Award for outstanding display of flowers and plants at the Society of American Florist's 84th Annual Convention held at the Americana Hotel in New York in July. Mr. Lindley is the son of Mr. & Mrs. C.C. Lindley of Chapel Hill, is a member of the Academy of American Florists, a professional group of the top 144 outstanding designers of North America. Among the twenty-seven competitors, Mr. Lindley was chosen because of his elegant simplicity in design, correct ecology and taxonomy.

C. Clinton Lindley, Jr. while studying at UNC-CH from which he received a B.A. Degree in botany, worked in a Chapel Hill flower shop. When he finished service with the U.S. Marine Corps in 1957, Mr. Lindley joined the Nosegay Flower Shop, Bronxville, New York.

As a member of the North Carolina Wild Flower Preservation Society, Inc., Mr. Lindley started the organization's library the year he graduated from college. And during the course of his career in New York, he has been a Floral Judge for the New York Florists Club, of which he is a member; designer and commentator for Florists Transworld Delivery Association; and speaker at numerous major florist's gatherings throughout the country.

Mrs. J. Robert Chrismon, who has written many articles for our Newsletter, writes that Mr. Paul Leslie of Leslie's Wild Flower Nursery, Methuen, Mass., received one of our May Newsletters and was profuse in his praise of our bulletin, saying, "it was the best of any he had seen and that he would place it in his files for future reference." Dr. H.R. Totten reports that the Testimonial Fund for Dr. Edgar T. Wherry tops $10,000.00. The NCWPS, Inc., can feel pride in being a contributor to such a worthwhile project.

It will be a pleasure to see our members in Unstead State Park, Sunday, October 6, 1968. Bring your picnic basket and drinks, wear comfortable shoes and hiking clothes.
Grow your plants from Seed
Herbert P. Smith

At a meeting of the N.C. Wildflower Preservation Society in Chapel Hill several years ago, much discussion was held regarding growing plants. One very wise and esteemed member, now deceased, Dr. R.L. Bloquist, said, "Grow your plants from seed."

We took this advice, we admit to being guilty of trying to bring in plants both from our place and others, but our most successful achievements have been with having the patience to see it grow from seed.

We could not name all of them, but the following have been most successful:

If you follow the soil preparation method of the Trailing Arbutus (Epigaea Repens), it will be sufficient for all we are listing.

GROWING TRAILING ARBUTUS (EPIGAEA REPENS) FROM SEED:

In the spring of 1950, we brought a plant of Trailing Arbutus (Epigaea Repens) from Tryon, N.C., Polk County, and planted it in our Wild Flower Garden, on Smithwin Farm, Liberty, N.C. This plant bloomed each year after planting it and it is still blooming and doing well. We gathered seed from this plant in 1953 and planted them about June 21st.

In about 30 days from the time we sowed these seed, small plants began to show. Being so small they had the appearance of moss. They were so small that they could only be identified with a magnifying glass. By using the magnifying glass we could identify them as really being Trailing Arbutus, having two small leaves and even at this small size they showed the little hairy like surface which is characteristic of the Arbutus.

These plants grew about one third the size of a full grown plant by the Fall of that year. The next year they grew full size adult leaves. These seedling plants continued to grow and were in full bloom in the Spring of 1957.

At this date, February, 1968, this plant is now about two feet across and has not missed a year being in full bloom. In 1966 we planted seed from this plant (the original one we have grown from seed) and now we are growing the second generation plants in our Azalea beds.

Among the things we have learned about growing Trailing Arbutus from seed is, the small plants are very hard to transplant, so we would recommend planting seed in the area you expect to leave them permanently.

To collect the seed, one has to be well on the job to get the seed before the ants carry them off for food. The ants are really carrying off the little white mist pad and the little fine seed are fastened to the top of this pad. We have had Botanist to tell us that our plants were the only seedlings they had ever seen and stated that many had never seen the seed.

In making a planting place for these small seed, it is important to get very fine woods soil and leaf mold mixed with sharp sand. We always sift the mixture through screen wire. Put this mixture in a place about three inches deep and pack it by pressing with your hand, then plant seed on top of the surface and water down lightly. This prevents drying out and less attention while plants are small. Cover the planted area with a plastic cover or place a plastic container over them. The bottom of the container should be removed.
Growing plants from seed: cont'd.

The beautiful fragrant blossom of these plants which we enjoy each Spring, pays us well for the long tedious effort we have made to accomplish what we hope will be a lasting help to others to do this same type of research on our fast disappearing rare plants.

VIRGINIA BLUEBELL GROWN FROM SEED (Mertensia Virginica)

Several years ago, Mrs. H.R. Totten of Chapel Hill and a former President of the North Carolina Garden Club, found a plant of the Virginia Bluebell in white. She found this plant growing in a wooded area between Chapel Hill and Durham, N.C.

As soon as her plant grew to a large enough size to separate, she very generously gave us a plant from this unusual Albino and very rare Mertensia Virginica.

Within two or three years our plant increased in size and was so unusual and beautiful when in bloom, we decided to plant some seed from this white form of Virginia Bluebell.

The result was very satisfying. We could tell by the color of the small plants that we would have both white and blue flowers. The plants that are white are of a bright green color and the blue ones are of a bluish color.

We now have a large clump of Blue and White in a border, well shaded in front of the house. We have a quantity of these seed planted that we hope will give us more plants this Spring.

This has been a rewarding experience for us in many ways, we have been able to share the White blossoming plants with a number of our Wild Flower Preservation Society Members. We are especially glad that we were able to give back to Mrs. Totten a replacement of the plant she shared with us. Since giving us a plant, she had lost hers. We feel that to replace one with a plant grown from the seed of her original is a real accomplishment.

In passing these plants around, we have included both blue and white. We have furnished both to the Wild Flower Area of the Elizabethan Garden on Roanoke Island.

GROWING HEMLOCK FROM SEED (Tsuga Canadensis)

We have been growing Hemlock plants and trees in our yard for the past 15 years which were brought in from the mountains of the western part of North Carolina. Our trees have been producing small cones for the past two or three years that have seed in them.

We gathered some seed from the cones in the Fall of 1956 and planted them as soon as they were gathered, in beds of woods soil and well rotted sawdust.

From this planting we now have 49 seedling plants of Hemlock which we now have planted in plastic containers (made from Plastic Milk Cartons) with the bottom cut at the corners for drainage. These were placed in a bed of rich soil and filled in between so that the tops of the containers are just in sight. This is done so as to identify the place where the small plant is planted. All of this bed was mulched with pine straw from White Pines. The White Pine Straw is much finer and does not pack the small plants down.

Our plants are from two to three inches tall and are doing well. We have repeated the sowing this Fall and expect to have a greater number of plants again this Spring.
GROWING PLANTS FROM SEED cont’d.

We have accomplished this work with the Hemlock here on our farm and garden in Piedmont North Carolina and not being its native habitat, we feel that our work with these seed will help others to grow more plants.

THERMOPSIS CAROLINIANA (these seed were given to us by Dr. Freeman at our meeting at Cumberland Knob)

THREE VARIETIES OF PHLOX (all do well here, one white.)

LUPINUS PERENNEIS Eastern Lupine: We have fine blooming size plants

SENNA (Cassia Marilandica) perrenial grows tall

SABATIA ANGULARIS Bi-annual Drop seed now for next year. Bloom here good.

Live Oak - Acorns from Isle of Palms, S.C. (Tree now about 10 feet tall)

Magnolia - Tripetala

Several Varieties of Oak

Baptisia Bracteata (white) easy to germinate.

********************************************************************************

HEMEROCALLIS

by

Mrs. Phil Wicker

Hemeroallis or daylily is truly a gardeners delight. It is not a newcomer to the world of gardening. The Greeks wrote about it in 70 A.D. It is accepted that they are natives of the Orient - China, Japan, Korea and from there were taken to England and thence to Americas.

To Linnaeus, Father of Botany, we give credit for the botannical name — which means beauty for a day — its worst habit but then it gives you a fresh flower every day — for so many days. In 1753, there were only two varieties — Hem. Flava or lemon lily and Hem. Fulva or the tawny daylily on roadsides and train tracks.

The first hybrid was introduced in 1890 in England (140 years later) and not until 1899 was a hybrid introduced in America and only in late 1930s did the am. hybridists recognize the vast possibilities and begin to do something about it. Since World War II the rate of new varieties has been about one for each working day. They really came into their own thru the beautiful creations of people like David Hall. The hybridizer's names often appear in parenthesis after the name of their hybrid.

Over the years we have seen the yellows and golds grow in size and quality. The greatest breakthrough has been in developing almost a true pink about the same time as the pink iris was developed, about 1950. Reds have progressed to vibrant, clear scarlet on to rose reds. There are orchid tones, clear lilacs and the nearest to whites. The yellows range from the palest Delicate Splendor and dependable Hyperion to deep golds and those yellows that are brushed with pink and reds — unthinkable but beautiful combinations. Then to blend all the colors together, there are the bi-colors diamond dusted with nearly all the spectrum of the rainbow except blue.

(11)
Hemerocallis cont’d.

Texture is being improved so that flowers do not fade at the end of day and already varieties are on the market that stay open long after dark. Plants are available for continuous bloom from early summer or late spring, until fall so that you can have daylilies for almost four months.

Maybe I like daylilies because they are a lazy woman’s plant. Planted in early fall or spring or even in summer, they will not let you down. They need at least four hours of sun, good soil with bone meal, peat, and I use fertilizer or superphosphate. Plant at level at which they were growing - not too deep - and water till they get started. They are practically insect and disease free and only need to be divided about every 5 years if planted 18” or more apart.

The wide color range available makes the color combinations just fantastic and beautiful in your garden. There is a daylily to fit your wildest dreams. The yellows and golds show up better if viewed from a distance and blend the others into a pleasing color scheme.

They combine with late spring bulbs, biennials, perennials on with late and fall annuals. I am using Tritoma, red hot pokers, purple phlox, gorgeous with the golds and oranges, native butterfly week - asclepias Vites, buddleia, crepe myrtle, and semi dwarf cannas.

Propagation is easy by division or proliferation, planting the extra plant that grows on the stem, which will grow and bloom next year. Seeds should not be allowed to form but if you do, they can be planted but you cannot always be sure they will come back true since the parent plant is a hybrid.

With several nurseries specializing in them and over 5 thousand introductions, one does have to be choosy and with a limited pocket book, learn to be patient until the price comes down. With prices like $35.00 and $70.00 for one root, I have learned to admire the old ones for a dollar and wait. ##

Ed.
(This program was given to the Greensboro Wild Flower Club—August 1, 1968)

================================================================================

TIEDWATER WILD FLOWERS

by

Elizabeth Lawrence

When I was staying with Mittie Wellford, in July, I was amazed to see Lilium superbum growing by the thousands on the edges of a tidewater creek that flows into the Rappahannock River just above Tappahannock, Va. In North Carolina the Turks cap grows only in the mountains, but Schuyler Mathews says, "It is oftenest found in wet meadows not very far from the coast." I have read that it is difficult to cultivate, and it certainly won’t grow for me; however Mrs. W. M. Brawley grows it with ease, and it blooms early in July.

At the water’s edge Mittie found a stalk of white three-petalled flowers in whorls of three. I thought it was the common arrowhead, but Mittie noticed that the leaves were lanceolate. I looked it up in Wild Flowers of North Carolina, and found it to be Sagittaria falcata, a species of the Southern coast. I am finding this book very useful. From one of the photographs I was able to identify the beautiful swamp milkweed, Asclepias incarnata, with its round heads of rosy buds that slowly open into paler flowers. We found only one stalk in bloom in mid-July, but in mid-August Mittie wrote: "The marshes are beautiful now. The
mallows are at their peak, and the pickerel weed is still blooming, and that lovely pink milkweed is everywhere."

I told Mittie to watch for Kosteletsky, which grows in brackish waters all along the southern coastal plain. She said she thought it might be the beautiful pink flower she found in the marshes late last summer, and has promised to send me a specimen when it blooms later on. Ruth Dormon sent it to me years ago from Shreveport, Louisiana, and it bloomed in my Raleigh garden in late August or early September. The plant is tall, to five feet in my garden. It is called wild hollyhock. This and the swamp milkweed are handsome enough for the flower border. I have never found a source for the wild hollyhock but plants of the milkweed are available from the Gardens of the Blue Ridge and The Three Laurels.

Mrs. Brawley told me that she brought white spider lilies (hymenocallis) from Shallotte, North Carolina, and that they do as well in the dry soil of her garden as they d’ed in the marshes. In Raleigh some from Wilmington grew in the overflow from the pool. These were the spring blooming kind. I shan’t try to name them as the botanists do not agree, but they are pretty. Dr. Wherry once brought me what I take to be the same thing, from the Catawba river near Rock Hill. They bloomed in May, but did not stay with me.

In the tidewater marshes wild rice was growing, lovely slender, golden plumes, and in wet places we found rhixias and bright pink sabbatias that faded before we got them home, but Mittie revived them with hot water. At Sabine Hall blue sheets of wild petunia were blooming on the lawn. Ruellia ciliosa, which grows to a height of about eight inches is considered the best one for the rock and wild garden.

On the wooded bluffs above the marshes, oaks and beeches and hollies come right down to the water. Button bush was still in bloom along the edge of the water, and under the trees there were masses of summersweet. I did not know that the delicate white spires could be so beautiful. We found a viburnum that wasn’t in the books at hand, so we sent a twig with a bunch of pointed green berries to Lionel Melvin, who says it is an unusual form of the Possum Haw, Viburnum nudum, which is a shrub that sometimes gets to be a small tree. It blooms in May, and the fruits begin to color in August, turning pink and then blue, so that there are three colors at one time. When they ripen in September, they are eaten by the birds.

In the August issue of Joe’s Bulletin I saw a letter to the editor, which I thought might be of interest to members of the Society. It is from Mrs. Gordon Harvey, 3205 Saxon Drive, Lexington, Kentucky, 40503. She says she and her husband collect wildflowers, and would like to hear from anyone who is interested in exchange.

The yellow passion vine:

In mid-August Dr. Mayer brought me a spray of Passiflora lutea. I am sure I have seen those odd leaves before, and wondered what they were, but I had never seen the flowers -- or at least I had never noticed them. They are in pairs in the axils of the leaves, a pair to every leaf, standing straight out on thin, stiff pedicels. Along with each pair there is a very fine, coiled tendril. The flowers are less than an inch across. Five sepals of the palest tint of green stand out like star points, with five paler narrower petals between, and over all the pale thread-like filaments of the fringe that is called a corona. Above this delicate filigree stands a miniature of the remarkable structure of the three styles and four stamens. The thin, pale green leaves vary in size, the largest, at the bottom of the spray, three inches or more across, very shallowly lobed and and broader than long.
N.C. Wildflower Preservation Society, Inc.

Urban Growth vs. The Wilderness

This is the title of a feature article in the Greensboro Daily News of Sunday, July 14, 1968. The map in the article (enclosed) shows the proposed development plan for Umstead State Park.

The officers and board of directors of the N.C. Wildflower Preservation Society, Inc. at a meeting on Sunday, August 25 voted unanimously to ask persons in authority to resist the development of the Park along the lines indicated.

The development of Umstead State Park as a multiple-use area as shown on the map would be the ruination of what is probably the finest natural area in the east-central section of North Carolina. It is urged that the facilities indicated be put on other land. The traffic generated by these facilities and the parking areas required would turn this beautiful natural area into an "asphalt and concrete jungle".

To those who say we cannot afford to have so much land remain as an "undeveloped area" let us take thought of the future—millions of our state residents who under the pressure of urbanization and increased population will have no place to go to see any natural woods and fields except Umstead State Park.

The undersigned president of this organization has just returned from an extensive European trip. If the large cities of Germany, Austria, and Switzerland can afford parks and gardens of 25–150 acres and more in the city limits and New York City can afford Central Park—about one billion dollars worth of real estate—in the heart of the city, can we not afford to keep Umstead State Park as a Park for present and future generations?

President —Herbert Hochenbleikner
Vice President —Marjorie P. Newell
Secretary —Mrs. Pearson Stewart
NORTH CAROLINA WILD FLOWER PRESV.
SOCIETY MEMBERSHIP
1968 - 1969

Mr. Harry E. Ahles
University of Mass.
Amherst, Mass. 01002

Alexander, Mrs. Ruth
820 River Oaks Lane
Charlotte, N. C. 28211

Allen, Mrs. R. H.
Box 280, Rt. 1
Kernersville, N. C. 27284

Allen, Mr. & Mrs. O. G.
1416 Oldtown Rd.
Winston-Salem, N. C. 27106

Allee, Mrs. Geo. W.
435 Lakeshore Dr.
Fayetteville, N. C. 28305

Alrich, Mrs. Karl A.
7 Calis Place
Asheville, N. C. 28801

Apple, Mr. & Mrs. Roy D.
1816 Edgewood Ave
Burlington, N. C. 27217

Applebury, Mrs. Cecil
127 Lake Forest Parkway
Wilmington, N. C. 28401

Austin, Mr. & Mrs. John W.
500 Lindale Dr.
High Point, N. C. 27260

Baird, Mr. Rex
411 Hickory Drive
Chapel Hill, N. C. 27514

Barber, Dr. John P.
157 Windsor Rd.
Asheville, N. C. 28804

Ballard, Mrs. R. J.
705 Fifth Ave
Greensboro, N. C. 27405

Beasley, Mrs. Wiley
908 N. Centennial
High Point, N. C. 27262

Beasley, Mrs. J. W.
Pilot Mountain, N. C. 27401

Boole, Dr. John A., Jr.
Georgia Southern
Statesboro, Ga. 30459

Braxton, Mr. & Mrs. Walter B.
2111 Braxton Lane
Greensboro, N. C. 27408

Brigham, Mrs. Dorcas
P. O. Box 106
Cashiers, N. C. 28717

Brinkhouse, Mrs. K. M.
524 Dogwood Dr.
Chapel Hill, N. C. 27514

Brinton, Mr. & Mrs. Hugh P.
12 Davie Circle
Chapel Hill, N. C. 27514

Brown, Mrs. Charles C.
3020 Ruffin St.
Raleigh, N. C. 27607

Brown, Mr. William J.
P. O. Box 1356
Chapel Hill, N. C. 27514

Brown, Mr. & Mrs. Jack H.
2001 Carlisle Rd., P. O. Box 2880
Greensboro, N. C. 27402

Boyd, Mrs. Thomas J.
P. O. Box 437
Hickory Tree Rd., Winston-Salem, 27101

Brooks, Miss Barbara
301 Louise Ave.
High Point, N. C. 27262
(Membership, cont.)

Burchett, Mr. & Mrs. C. F.
6319 Fair Valley Dr.
Charlotte, N. C. 28211

Burgen, Mr. Tiphaine R.
Morgan Creek Rd.
Chapel Hill, N. C. 27514

Burroughs, Mr. Aubrey C.
107 Lakeview Circle
Thomasville, N. C. 27360

Butler, Mr. & Mrs. W. Lawrence
1312 Valmont Dr.
Hendersonville, N. C. 28739

Butler, Mr. Gordon
Butlers Nursery, Rt. 7
Fayetteville, N. C. 28306

Campbell, Mrs. Chas. W.
338 Vanderbilt Rd.
Biltmore, N. C. 28803

Carroll, Mr. & Mrs. W. B.
P.O. Box 261
Siler City, N. C. 27344

Carroll, Miss Beam
143 Mauldin Walk
Falls Church, Va. 22046

Carlson, Miss Alice
Penick Home, E. Rhode Island Ave.
Southern Pines, N. C. 28387

Carter, Mrs. Leonard C.
Rt. 1
Liberty, N. C. 27298

Carter, Prof. & Mrs. John E.
P.O. Box 187
Faith, N. C. 28041

Cason, Mr. & Mrs. David A.
Rt. 6, Box 229
Greensboro, N. C. 27405

Cates, Mrs. Fred, Sr.
Hillsboro, N. C. 27278

Causey, Miss Edith
Rt. 1
Liberty, N. C. 27298

Chaplin, Mrs. Paul
339 Charlotte St.
Asheville, N. C. 28801

Chrismon, Miss Mary
407 Muirs Chapel Road
Greensboro, N. C. 27410

Clark, Mr. & Mrs. Ross
214-C Branson St.
Chapel Hill, N. C. 27514

Clark, Dr. & Mrs. Bodie T.
607 Raleigh Rd.
Wilson, N. C. 27893

Clippard, Mrs. J. H.
P.O. Box 724
Asheville, N. C. 28807

Coleman, Miss Kathlene
Pleasant Garden, N. C. 27313

Coxe, Mrs. T. C. Jr.
322 Vanderbilt Rd.
Biltmore, N. C. 28803

Conyers, Mrs. Z. V.
210 Fisher Ave.
Greensboro, N. C. 27401

Craig, Mrs. David J.
Blowing Rock, N. C. 28605

Crater, Mrs. Marvin James
Rt. 2
Clemmons, N. C. 27012

Crummacker, Miss Louise
1405 Welcome Dr.
Durham, N. C. 2720

Crutcher, Dr. Harold
35 Westall Ave.
Asheville, N. C. 28804

Crutchfield, Mr. Phillip T.
Biology Dept., Methodist College
Fayetteville, N. C. 28301

Daniels, Mrs. G. W.
3411 Pineview Dr.
Greensboro, N. C. 27407
(Membership, con't.)

Darling, Mr. & Mrs. A. J.
Rt. 4, Box 312-B
Candler, N. C. 28715

Dawson, Mrs. Anna H.
406 E. Farriss Ave.
High Point, N. C. 27262

Decker, Miss Margaret E.
15 Overbrook Rd.
Asheville, N. C. 28805

Demmon, Dr. E. L.
241 Old Toll Road
Asheville, N. C. 28804

DeHart, Mr. Allen
College Box 845
Louisburg, N. C. 27549

Diffendale, Mrs. Sara
412 Edgedale Dr.
High Point, N. C. 27262

Doak, Dr. & Mrs. G. O.
P. O. Box 853
Chapel Hill, N. C. 27514

Dodson, Mrs. Richard S., Jr.
Farrington Rd., Rt. 3, Box 454
Chapel Hill, N. C. 27514

Donnan, Mrs. Caroline W. (R.F.)
Box 885
Chapel Hill, N. C. 27514

Drum, Mrs. N. E.
401 S. 2nd St.
St. Pauls, N. C. 28384

DuBose, Mrs. John
Rt. 1
Arden, N. C. 28804

Dunn, Dr. Edward H.
303 Cumberland Ave.
Asheville, N. C. 28801

Eliason, Miss Nancy
Campbell College
Buies Creek, N. C. 27506

Eliason, Dr. Mary
Campbell College
Buies Creek, N. C. 27506

Elliott, Miss Lucile
700 Gimghoul Rd.
Chapel Hill, N. C. 27514

Eller, Mrs. Chas. W.
2630 Beechwood St.
Greensboro, N. C. 27403

Entwistle, Mr. John
810 Fayetteville Rd.
Rockingham, N. C. 28370

English, Mr. & Mrs. W. H.
1008 Westwood
High Point, N. C. 27262

Fields, Mrs. Henry
Twin Castle A-7 Apt., 85
Winston-Salem, N. C. 27103

Ferguson, Mrs. Warren G.
Cameron, N. C. 28236

Ferguson, Dr. & Mrs. John H.
226 Glendon Dr.
Chapel Hill, N. C. 27514

Fischer, Dr. & Mrs. Newton
University of North Carolina
Chapel Hill, N. C. 27514

Fisher, Mrs. Bruce
Landis, N. C. 28088

Fisher, Mrs. F. H.
2510 Everett Ave.
Raleigh, N. C. 27607

Foxworth, Mrs. F. A.
1002 Elizabeth St.
Winston-Salem, N. C. 27103

Freeman, Dr. Oliver M.
1126 Northland Rd.
Mt. Dora, Florida 32757

Garrett, Mrs. Louise W.
P. O. Box 126
Valdese, N. C. 28690

George, Prof. & Mrs. Claude S.
Coker Drive
Chapel Hill, N. C. 27514
Gilmore, Mrs. Voit
700 E. Indiana Ave.
Southern Pines, N.C. 28387

Gray, Mrs. Sandra M. (George III.)
P.O. Box 313
Pleasant Garden, N.C. 27313

Mr. Douglas Graham
110 N. Rountree St.
Wilson, N.C. 27893

Mrs. Percy Gillie
4 Whitethorn Lane
Bluefield, W. Va. 24701

Graves, Mr. & Mrs. T. W. (Thomas)
1215 Waton Drive
Wilson, N.C. 27893

Green, Mrs. & Mrs. Paul
Windy Oaks Farm
Chapel Hill, N.C. 27514

Grubb, Mr. & Mrs. Donald
P.O. Box 83
Rural Hall, N.C. 27045

Hall, Mrs. Ed. A.
P.O. Box 26
Kingston, Indiana 46148

Hardison, Mrs. R. L.
811 Old Mill Road
Chapel Hill, N.C. 27514

Hanlon, Mr. Peter J.
Sugar Hollow Rd.
Fairview, N.C. 28730

Harrison, Mr. Thomas
Rt. 1
Chandler, N.C. 28715

Harrell, Mrs. A. N.
Rt. 1 Alpan Acres
McLeansville, N.C. 27301

Harper, Dr. & Mrs. Francis
311 McCauley St.
Chapel Hill, N.C. 27514

Harper, Miss Margaret
P.O. Box 673
Lenoir, N.C. 28645

Hartman, Mrs. Mabel C.
Rt. 2
Clemmons, N.C. 27012

Hatcher, Mrs. & Mrs. H. A.
406 E. Farriss Ave.
High Point, N.C. 27262

Haworth, Mrs. Chester C.
P.O. Box 555
High Point, N.C. 27261

Hayes, Miss Margaret S.
3430 Redbud Lane
Raleigh, N.C. 27607

Hechenbleikner, Dr. Herbert
1000-Carmel Rd.
Charlotte, N.C. 28211

Highfill, Miss Hollye
Greensboro College
Greensboro, N.C. 27402

Higgins, Mrs. John W.
921 Woodbrook Dr.
Guilford College, N.C. 27410

Hobson, Mrs. Pat
Elliot St.
Chapel Hill, N.C. 27514

Hodges, Mrs. Sara L.
200 Cumberland Ave.
Charlotte, N.C. 28203

Hodgin, Mrs. W. W.
508 West Farriss Ave.
High Point, N.C. 27262

Hoffman, Mrs. John
120 Shannon Drive
Burlington, N.C. 27215

Hoke, Mr. & Mrs. H. A.
P.O. Box 445
Conover, N.C. 28613

Holzinger, Mrs. Roselia
2101 Malvern Rd.
Charlotte, N.C. 28207

Holzinger, Mr. J. T.
2101 Malvern Rd.
Charlotte, N.C. 28207
Howard, Mrs. Eleanor (N. F.)
P.O. Box 341
Tarboro, N. C. 27886

Hubbard, Mrs. Charles S.
1206 Branch Street
Wilson, N. C. 27893

Huff, Miss Jessie
380 Beaverdam Rd.
Asheville, N. C. 28804

Hughes, Mrs. R. W.
728 Worth St.
Asheboro, N. C. 27203

Hunter, Miss Louise
303 Lindsay St.
High Point, N. C. 27260

Ivey, Mr. & Mrs. Worth
222 Woodrow Ave.
High Point, N. C. 27260

James, Mr. & Mrs. Fred.
100 Hanna St.
Carrboro, N. C. 27510

James, Prof. & Mrs. Charles H.
101 Markwood Lane
Lexington, N. C. 28094

Jackson, Mr. & Mrs. W. G.
902 Park Dr.
Asheboro, N. C. 27203

Jacobs, Mrs. E. P.
512 Belmont Dr.
Raleigh, N. C. 27610

Jayne, Mr. Fairman B.
52 Cumberland Circle
Asheville, N. C. 28801

Jensen, Mr. Henry W.
Warren Wilson College
Swannanoa, N. C. 28788

Johnson, Mr. & Mrs. P. J.
712 Montlief Ave.
High Point, N. C. 27262

Justice, Dr. William S.
311 Dr.'s Bldg.
Asheville, N. C. 28803

Kendrick, Mr. & Mrs. Robert A.
P.O. Box 225
Valdese, N. C. 28690

Keene, Mrs. Frank
331 Vanderbilt Rd.
Asheville, N. C. 28804

Kinney, Mrs. Luvene
4836 Summit Ave.
Greensboro, N. C. 27405

Kirkman, Mr. & Mrs. James A.
Rt. 1
Pleasant Garden, N. C. 27313

Killingbeck, Mr. W. B.
3153 Cherry Dr.
Hendersonville, N. C. 28714

Kimmel, Mrs. Wallis E. (Herbert)
2426 Camden Rd.
Greensboro, N. C. 27403

Kimmel, Miss Jane
2426 Camden Rd.
Greensboro, N. C. 27403

Kivett, Miss Gladys
210 Nutbush Circle
Jamestown, N. C. 27282

Knight, Mr. George K.
1303 Forrest Park Dr.
Statesville, N. C. 28677

Knowles, Mrs. S. E.
208 21st St., N.W.
Hickory, N. C. 28601

Koone, Mrs. E. S.
185 Kimberly Ave.
Asheville, N. C. 28804

Knox, Miss Marjorie
1127 Kenwood
Winston-Salem, N. C. 27103
(Membership, cont'd.)

Lamb, Mr. C.R.
519 Wendell St.
Greensboro, N.C. 27401

Lamme, Mrs. W.T.
903 Raleigh Rd.
Wilson, N.C. 27593

Lawrence, Miss Elizabeth
342 Ridge Wood Ave.
Charlotte, N.C. 28209

Lemon, Miss Wilhelmine
2420 Parkins Road
Durham, N.C.

Leonard, Mr. Richard C.
107 Tod St.
Carrboro, N.C. 27510

Leonard, Mr. Steve
Rt. 4 box 25-A
Lexington, N.C. 27292

Lindley, Mr. & Mrs. C.C.
Route 3
Chapel Hill, N.C. 27514

Lindsey, Dr. C.H.
722 Westover Dr.
Greensboro, N.C. 27801

Linnback, Mrs. Gretta G.
Rt. 1
Winston-Salem, N.C. 27106

Lindsey, Mrs. R.W.
1201 Biltmore Ave.
High Point, N.C. 27260

Link, Mrs. James C.
430 Sharon Lane
Charlotte, N.C. 28211

Livingston, Mrs. Wm. B.
6 1/2 Meyer's Lane
Greensboro, N.C. 27408

Lewis, Mrs. E. Gregory
207 Greenwood Dr.
Greensboro, N.C. 27410

Lloyd, Mrs. Florence (w.n.)
211 Tryon Place
Greensboro, N.C. 27408

Logan, Mrs. Mary
Box 446
Mars Hill, N.C. 28754

Longest, Mrs. E.G.
4819 Yadkin Rd.
Fayetteville, N.C. 28303

Lucas, Mrs. William A.
1407 Nash St.
Wilson, N.C. 27593

McBride, Mrs. R.E.
Rt. 2 Box 18
Fayetteville, N.C. 28301

MacRae, Miss Monimie P.
18 Cedarcliff Rd., Biltmore Forest
Asheville, N.C. 28803

McCracken, Mrs. G.H.
544 New Haw Creek Rd.
Asheville, N.C. 28805

McDowell, Mr. G.W.
5 Oak Ridge Rd.
Asheville, N.C. 28805

McDonald, Mrs. Jessie
731-24th St., N.W.
Winter Haven, Fla. 33880

McGinty, Mrs. H.S.
P.O. Box 1371
Chapel Hill, N.C. 27514

McNeil, Miss Betsy
P.O. Box 827
Louisburg, N.C. 27549

McNutt, Mrs. Franklin
1805 N. Overlook Dr.
Greensboro, N.C. 27834

Macon, Mrs. W.C.
1 Country Club Lane
Asheville, N.C. 28804

Marrow, Mr. E.H., Jr.
210 Cromwell Ave.
Tarrboro, N.C. 27886

Matthews, Mrs. Hazel
Campbell College
Buies Creek, N.C. 27506
(Membership, con't.)

Mattocks, Mr. & Mrs. James
P.O. Box 462 S. Main St. Ext.
High Point, N.C. 27261

Mauney, Mrs. A. J.
Rt. 1, Box 76
Bessemer City, N.C. 28016

Mayer, Dr. & Mrs. W. M.
1350 South Kings Drive
Charlotte, N.C. 28207

Melheim, Mr. & Mrs. Louis A.
335 Dunavant Lane
Statesville, N.C.

Melvin, Mr. & Mrs. Lionel
Box 313
Pleasant Garden, N.C. 27313

Melvin, Mrs. Mae S.
Rt. 5
Fayetteville, N.C. 28301

Menius, Mrs. R. W.
853 Oakmont Dr.
Asheboro, N.C. 27203

Miles, Mrs. H. H.
7 Stratford Rd.
Asheville, N.C. 28804

Miller, Mrs. A. T. Jr.
804 Old Mill Road
Chapel Hill, N.C. 27514

Moore, Mr. Charlie
P.O. Box 8
Brevard, N.C. 28712

Moore, Mr. & Mrs. Richard F.
708 Maple Ave.
Burlington, N.C. 27215

Moffitt, Mr. Jack H.
1204 E. Salisbury St.
Asheboro, N.C. 27203

Mordacai, Dr. & Mrs. Alfred
806 South Hawthorne Rd.
Winston-Salem, N.C. 27103

Motaing, Miss Elizabeth
Rt. 2, Box 108-A
Burnsville, N.C. 28714

Mulcahy, Mr. & Mrs. Thomas O.
Rt. 3, Box 239
Hendersonville, N.C. 28754

Musgrove, Mrs. R. N.
2016 Roanoke Dr.
Greensboro, N.C. 27408

Murray, Mrs. Cromwell E.
3 Hillside Walk
Asheville, N.C. 28801

Myers, Miss Helen E.
310 Beall St.
Lenoir, N.C. 28645

Nance, Mr. & Mrs. Ray
701 Summit Ave.
High Point, N.C. 27260

Newell, Dr. Marjorie P.
3901 Guinivere Lane
Winston-Salem, N.C. 27106

Nichols, Mr. Henry Arch
50 Windsor Rd.
Asheville, N.C. 28804

Nooe, Miss Sarah M.
112 West Sharpe St.
Statesville, N.C. 28677

Nothstein, Mr. William
23 Bradley St.
West Asheville, N.C. 28806

Noggle, Dr. & Mrs. G. Ray
2346 Churchill Rd.
Raleigh, N.C. 27608

Oates, Mrs. John A.
406 James Square
Fayetteville, N.C. 28301

Ogden, Mr. Dean R.
175 Lakewood Dr.
Asheville, N.C. 28803

Osborne, Mr. & Mrs. F. E.
P.O. Box 260
Wake Forest, N.C. 27587

Ormand, Mrs. J. W.
P.O. Box 568
Monroe, N.C. 28110
Oglukian, Mrs. L. M.
4600 Oglukian Rd.
Charlotte, N. C. 28211

Owen, Mrs. W. Bissell
2714 Holly Hill Dr.
Hendersonville, N. C. 28739

Page, Mrs. Henry, Jr.
300 Page St.
Aberdeen, N. C. 28315

Parrish, Miss Peggy
502 South Church St.
Winston-Salem, N. C. 27101

Parker, Miss Lockie
Southern Pines, N. C. 28387

Parker, Mrs. W. G.
Cameron, N. C. 28326

Patton, Dr. E. Gibbes
Dept. of Biology, Wofford College
Spartanburg, S. C. 29301

Patton, Mrs. F. McLeod
281 E. Chestnut St.
Asheville, N. C. 28801

Payne, Mrs. Paul
Wilksa Drive
Durham, N. C. 27705

Pegg, Mrs. Carl H.
403 Laurel Hill Rd.
Chapel Hill, N. C. 27514

Penfound, Mrs. W. T.
Warren Wilson College
Swannanoa, N. C. 28778

Perry, Dr. James D.
Dept. of Biology
Asheville-Biltmore College
Asheville, N. C. 28801

Perryman, Miss Anne
11 Walnut St.
Winston-Salem, N. C. 27101

Phillips, Mrs. Sue (Pete)
P. O. Box 27
Cameron, N. C. 28326

Pickett, Mr. & Mrs. John
18 Colonial Place
Asheville, N. C. 28804

Pleasant, Mrs. A. E.
2501 Springwood St.
Greensboro, N. C. 27403

Pope, Miss Bessie
P. O. Box 1264
High Point, N. C. 27261

Porter, Mrs. D. H.
2739 Holly Hill Dr.
Hendersonville, N. C. 28739

Prall, Mrs. C. E.
1404 Garland Dr.
Greensboro, N. C. 27408

Ramsey, Mrs. Hiden
Apt. 5, 28 Edgemont Rd.
Asheville, N. C.

Rankin, Mr. Henry, Jr.
P. O. Box 803
Fayetteville, N. C. 27302

Reeves, Mrs. Marvin G.
Pittsboro, N. C. 27312

Rhodes, Mrs. Bonsall
Apt. 14, 28 Edgemont Rd.
Asheville, N. C.

Rich, Miss Cleata
845 S. Cox St.
Asheboro, N. C. 27203

Ricker, Mrs. C. C.
88 Woodward Ave.
Asheville, N. C. 28804

Ripper, Dr. & Mrs. L. A.
Pine Mountain Rd.
Chapel Hill, N. C. 27514

Robinson, Mrs. D. E.
420 Hick St.
Burlington, N. C. 27215

Rogers, Mr. & Mrs. Fred A.
81 Tacoma Circle
Asheville, N. C. 28801

Ross, Mrs. Guy M.
Pleasant Gardens, N. C. 27313

Samuels, Mrs. Roy
Lake Toxaway, N. C. 28747
Schandler, Dr. Joseph  
P.O. Box 8384  
Asheville, N.C. 28804

Schmidt, Mrs. Ada  
153 Cumberland Ave.  
Asheville, N.C. 28804

Schroeder, Mrs. Charles F.  
612 Marrimans Ave.  
Asheville, N.C. 28804

Schuler, Mrs. & Mrs. E. G.  
Glennville, N.C. 28736

Scott, Mr. & Mrs. F. L.  
General Delivery  
Lake Toxaway, N.C. 28747

Scott, Mrs. Donald  
460 Morganton Rd.  
Southern Pines, N.C. 28387

Sellers, Mrs. Marion  
85 Maxwell Rd., Glenn-Lennox  
Chapel Hill, N.C. 27514

Sedgrest, Mrs. J. V.  
500 Forrest St.  
High Point, N.C. 27262

Sheppard, Dr. and Mrs. M. C.  
1008 River St.  
Jacksonville, N.C. 28540

Sherwood, Miss Helen  
Cornwall, N.Y. 12518

Shinn, Mr. & Mrs. Thomas  
Rt. 1, Box 321-A  
Leicester, N.C. 28748

Shinn, Mrs. Franklin  
59 Brumley  
Concord, N.C. 28025

Smith, Mr. & Mrs. Herbert P.  
Rt. 2, Smithwin Farm  
Liberty, N.C. 27258

Smith, Miss Susan G.  
2512 Vesson Ave.  
Durham, N.C. 27707

Spencer, Mrs. Paul  
511 Greensboro Rd.  
High Point, N.C. 27260

Spurgeon, Miss Carrie  
429 Guilford Circle  
Raleigh, N.C. 27608

Spurgeon, Mrs. Flora  
301 Hillsborough St.  
Chapel Hill, N.C. 27514

Stafford, Mrs. E. E.  
1723 Virginia Road  
Winston-Salem, N.C. 27104

Stalling, Mrs. B. W.  
Boone, N.C. 28607

Stephens, Dr. George  
P.O. Box 6565  
Asheville, N.C. 28803

Stewart, Mrs. Pearson  
112 Glendale Dr.  
Chapel Hill, N.C. 27514

Stokes, Mrs. Ruby W.  
704 Twyckenham Dr.  
Greensboro, N.C. 27408

Strachon, Mrs. George T.  
P.O. Box 1059  
Wilson, N.C. 27893

Stroupe, Mrs. Vernon S.  
167 Chatham Rd.  
Asheville, N.C. 28804

Stuart, Mrs. Charles E.  
2204 Woodrow Street  
Durham, N.C. 27705

Sutton, Mrs. John H.  
Director of Adult Work  
Box 10957, Raleigh, N.C. 27605

Taylor, Mrs. Dean  
521 Maple Ave.  
Reidsville, N.C.

Terrell, Mrs. John K.  
P.O. Box 571  
Chapel Hill, N.C. 27514

Thomas, Jerry  
2418 W. Club Blvd.  
Durham, N.C. 27705
(Membership, cont'd.)

Thomas, Mrs. N. Boling
Rt. 8, Robin Hood Road
Winston-Salem, N. C. 27106

Thomas, Mrs. Jerry
2424 Ardecie St.
Durham, N. C. 27702

Thompson, Mr. & Mrs. H. G.
P.O. Box 12
Stantonburg, N. C. 27883

Trammel, Mrs. Larry L.
106 Hanna St.
Carrboro, N. C. 27510

Trotter, Mrs. H. R.
Laurel Hill Road, P.O. Box 247
Chapel Hill, N. C. 27514

Trolley, Mrs. C. D.
3809 E. Market St.
Greensboro, N. C. 27407

Troxler, Mrs. Elizabeth
3841 High Point Rd.
Greensboro, N. C. 27407

Troxler, Mrs. & Mrs. Robert C.
2509 Liberty Rd.
Greensboro, N. C.

Tucker, Mrs. Edith
220 Cedar St.
Mooreville, N. C. 28115

Turner, Mrs. P. P.
2408 Hawthorne
Greensboro, N. C. 27408

Tyack, Mr. & Mrs. L. G.
Glendale Springs, N. C. 28629

Tyndall, Dr. & Mrs. J. P.
314 Canterbury Rd.
Wilson, N. C. 27893

Vanbier, Mrs. & Mrs. Warren C.
346 Montford Ave.
Asheville, N. C. 28801

Vaughn, Mrs. Mildred S.
925 Greenwood Dr.
Greensboro, N. C. 27406

Verrysault, Mrs. J. P. (Dolly)
Mt. View Dr., P.O. Box 129
Valdese, N. C. 28690

Wadsworth, Dr. Martin
P.O. Box 8166
Asheville, N. C. 28804

Wagener, Mrs. Dean, Jr.
706 Fifth Ave.
Greensboro, N. C. 27405

Wagener, Miss Annie
407 North Mendenhall St.
Greensboro, N. C. 27401

Wagstaff, Mrs. T. C.
224 Hayes Rd.
Chapel Hill, N. C. 27514

Walker, Mr. & Mrs. Charles R.
101 Spruce St.
Thomasville, N. C. 27360

Walker, Mr. & Mrs. Nathaniel
101 Spruce St., Skiles Height
Thomasville, N. C. 27360

Walker, Mrs. & Mrs. Nathaniel
208 Vine Street
Statesville, N. C. 28677

Warren, Mrs. J. A.
301 Hillsborough St.
Chapel Hill, N. C. 27514

Warlick, Mrs. C. E.
P.O. Box 552
Kings Mountain, N. C. 28086

Wear, Mr. & Mrs. J. S.
Rt. 4
Chapel Hill, N. C. 27514

Wells, Dr. W. B.
Rt. 1
Wake Forest, N. C. 27587

Wentworth, Mrs. Howland
Chapel Hill Rd.
Sherman, Conn. 96784

West, Mrs. Thaddeus
500 Woodbrook Dr.
High Point, N. C. 27262
West, Mrs. Della L.
2744 McDowell Street
Durham, N. C. 27607

West, Mr. & Mrs. J. Lee
P. O. Box 764
Asheboro, N. C. 27203

Whitehead, Miss Anita
424 Morningside Dr.
Fayetteville, N. C. 28301

Whitehead, Mr. & Mrs. James B.
424 Morningside Drive
Fayetteville, N. C. 28301

Whiteside, Mrs. Myra
Dr. John Cassell
Lake Shore Drive
Chapel Hill, N. C.

Whitley, Mrs. James A.
1107 Latham Rd.
Greensboro, N. C. 27408

Willis, Dr. & Mrs. Sandler
Rt. 4, Box 323
Candler, N. C. 28715

Wiggins, Dr. Deems
Dept. of Science
Atlanta Christian College
Wilson, N. C. 27893

Withers, Mrs. Benjamin
2001 Queen's Rd.
Charlotte, N. C.

Witherington, Mr. Phillip
Science Dept.
Atlantic Christian College
Wilson, N. C. 27893

Library
University of North Carolina
Chapel Hill, N. C. 27893

Chrismon, Mrs. J. Robert
407 Muir's Chapel Rd.
Greensboro, N. C. 27410

Coleman, Miss Mary Beth
Pleasant Garden, N. C. 27313

Griffiths, Miss Pauline
Rt. 4, Box 477
Charlotte, N. C. 28208

Shaw, Mrs. R. H.
Presbyterian Home
High Point, N. C. 27260