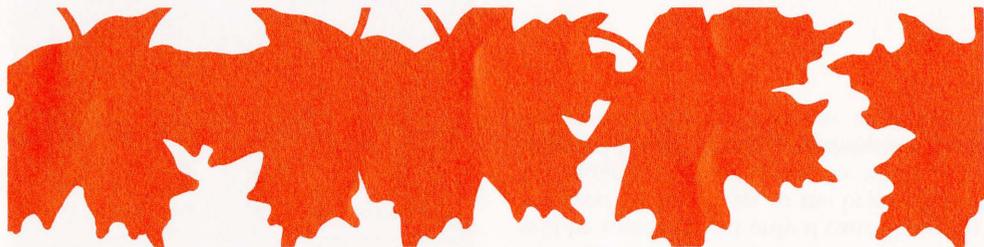
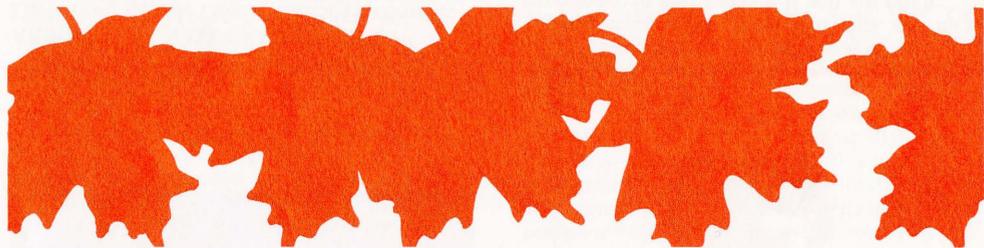
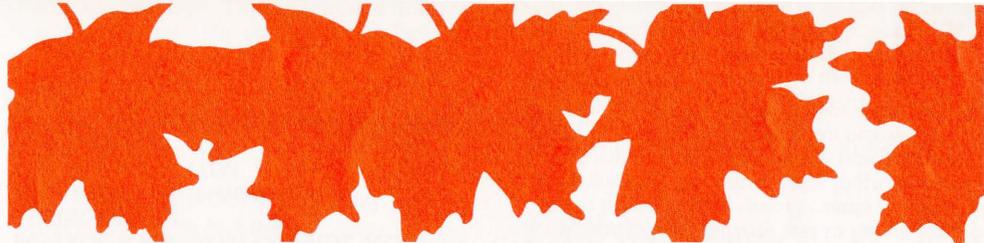


AUTUMN 1984

**EVENTS,
NEWS,
&
CLASSES**



The Morton Arboretum

EVENTS

SEPTEMBER

- 1 **Nature Ramble:** *Tree Leaf Identification*, Visitor Center, 1 p.m.
- 2 **Sunday Tour:** *Introducing the Arboretum*, Visitor Center, 2 p.m.**
- 5 **Nature Study and Camera Club Meeting**, Thornhill, 7:30 p.m.
- 8 **Guided Walk:** *Exploring a Woodland Legacy* Visitor Center, 1 p.m.
- 11 **Prairie Volunteers:** *Fall Festival Planning Meeting* Cudahy Auditorium, 7:30 p.m.
- 16 **Illinois Prairie Day:** Guided tours of the Prairie at 1 & 3 p.m.**
Book Discussion Group, Library 2:15 p.m.
- 17 **Bonsai Society Meeting**, Research Center, 7:30 p.m.
- 19 **Nature Study and Camera Club Meeting**, Thornhill, 7:30 p.m.
- 21 **Members' Fall Festival Preview** Thornhill, 7-9 p.m.
- 22-23 **Fall Festival & Garden Clubs of Illinois Flower Show** 9 a.m. to 5 p.m.
- 29-30 **Bonsai Show** Thornhill, 11 a.m. to 6 p.m.**

OCTOBER

- Week-days** **Open-Air Bus Tours**, Visitor Center, 1 & 2 p.m. (throughout the month)**
- 3 **Nature Study and Camera Club Meeting**, Thornhill, 7:30 p.m.
- 6 **Nature Ramble:** *Fall Flowers and Fruits*, Visitor Center, 1 p.m.
Open-Air Bus Tours, Visitor Center, 12, 1, 2 & 3 p.m.**
- 7 **Sunday Tour:** *Introducing the Arboretum*, Visitor Center, 2 p.m.**
- 8 **Columbus Day Holiday Hikes:** *Native American Plants*, Visitor Center, 1 p.m. and 3 p.m.**
- 13 **Guided Walk:** *Exploring a Woodland Legacy* Visitor Center, 1 p.m.
Open-Air Bus Tours, Visitor Center, 12, 1, 2, & 3 p.m.**
- 14 **Prairie Volunteer Seed Harvest Day** Leask Lane entrance, 1-4 p.m.
- 15 **Bonsai Society Meeting**, Research Center, 7:30 p.m.
- 17 **Nature Study and Camera Club Meeting**, Thornhill, 7:30 p.m.
- 20 **Nature Ramble:** *Fall Color* Visitor Center, 1 p.m.
Open-Air Bus Tours, Visitor Center, 12, 1, 2, & 3 p.m.**
- 27 **Open-Air Bus Tours**, Visitor Center, 12, 1, 2, & 3 p.m.**

NOVEMBER

- 3 **Guided Walk:** *Exploring a Woodland Legacy* Visitor Center, 1 p.m.
- 4 **Sunday Tour:** *Introducing the Arboretum*, Visitor Center, 2 p.m.**
- 7 **Nature Study and Camera Club Meeting**, Thornhill, 7:30 p.m.
- 11 **Book Discussion Group** Library 2:15 p.m.
- 17 **Nature Ramble:** *Nature Prepares for Winter* Visitor Center, 1 p.m.
- 19 **Bonsai Society Meeting**, Research Center, 7:30 p.m.
- 21 **Nature Study and Camera Club Meeting**, Thornhill, 7:30 p.m.
- 22 **Thanksgiving Day** buildings closed
- 23 Visitor Center and Gift Shop open, Ginkgo Restaurant closed.

DECEMBER

- 5 **Nature Study and Camera Club Meeting**, Thornhill, 7:30 p.m.
- 9 **Chamber Concert**, Thornhill, 2:15 p.m.
- 17 **Bonsai Society Meeting** Research Center, 7:30 p.m.
- 19 **Nature Study and Camera Club Meeting**, Thornhill, 7:30 p.m.
- 24 **Christmas Eve**, buildings closed at noon, Ginkgo Restaurant closed, Gift Shop open 'til noon.
- 25 **Christmas Day** buildings closed
- 30 **Yuletide Celebration**, Visitor Center, 2:15 p.m.
- 31 **New Year's Eve**, buildings closed at noon, Ginkgo Restaurant closed.

*Registration and/or fee required.

**Fee required.

FALL FESTIVAL WEEKEND – SEPTEMBER 22 & 23

The weekend of September 22 and 23 will be a lively one at the Arboretum with the concurrent staging of the Garden Clubs of Illinois standard flower show at Thornhill Conference Center and the Fall Festival on the meadow adjacent to the Visitor Center. The double event will offer a broad range of displays and activities for the young and the young at heart.

This year's Fall Festival theme, "Discover Your World in the Arboretum" invites visitors to participate in the activities that most interest them. The weekend will include demonstrations of horticultural skills such as grafting and pruning, programs and demonstrations by related nature organizations and crafts people, fun-filled activities for children and families, Arboretum tours, and special entertainment.

For those with an interest in the world of flowers and gardening, the floral arrangements and horticultural entries in the Garden Clubs of Illinois Flower Show will add a new dimension to the weekend. The show titled "Joy is an Arboretum," includes sixty-nine competitive horticultural classes ranging from roses, to tree fruits, to herbs and cacti. The floral design classes include such titles as *Fall Tapestries*, a design emphasizing texture using all dried plant materials, and *Dinner at Thornhill*, an exhibition table setting for a semi-formal dinner using all fresh plant material.

Bring your friends and family and join us for a day or an entire weekend of fresh air and festivities. The combined Fall Festival and Flower Show runs from 9 a.m. to 5 p.m. each day September 22 and 23, 1984. The usual gate fee of \$2 per car applies.

MEMBERS' PREVIEW OF FLOWER SHOW SCHEDULED

Arboretum members will be treated this year to a preview of the Garden Clubs of Illinois' Flower Show on the Friday evening prior to Fall Festival.

The preview will include refreshments, musical entertainment, an advance glimpse of the Flower Show and tours of the new Fragrance Garden now under construction.

The preview will be held from 7 to 9 p.m. on Friday September 21 at the Thornhill Conference Center. Please enter via the Park Boulevard entrance just north of the intersection of Park Boulevard and Route 53.

FRAGRANCE GARDEN UNDER CONSTRUCTION

A new garden that promises to delight the senses is currently under construction just west of the Thornhill Conference Center. Over 100 fragrant and flowering plants will be displayed in a uniquely designed Fragrance Garden with something of interest at every season. Broad, paved paths are laid out to accommodate wheelchairs and strollers. This cool, tranquil garden with a central pool will appeal to the senses of smell, touch, and hearing, making it a place of special enjoyment for everyone, including those with sight limitations.

This garden, to be dedicated during Fall Festival, September 22-23, will add a lovely new dimension to the Arboretum experience for countless visitors in the years to come

USED BOOKS NEEDED FOR SALE AT FALL FESTIVAL

Donations of books are still being accepted for the 1984 Fall Festival annual book sale to be sponsored by the Sterling Morton Library. Used and out-of-print books on gardening, horticulture, botany, natural history, landscape architecture, agriculture, conservation, forestry, environment, local history and Americana, botanical and zoological art, and natural history-related topics are being sought for the sale. Books may be left at the Library on weekdays between the hours of 9 a.m. and 5 p.m. and on Saturday between 10 a.m. and 4 p.m. If you have questions about the kinds of books being accepted or about the sale, call Richard Shotwell in the Library at 968-0074.

This year's book drive and sale are being conducted as a result of the enthusiastic response to last year's sale. The sale will take place on Saturday and Sunday, September 22 and 23, on the Fall Festival Midway. Members will have an opportunity to attend a preview sale on Saturday morning at 8 a.m.



Cider-making demonstrations attract lots of attention at the Fall Festival.

EVENTS & NEWS

YULETIDE CELEBRATION

Our 8th annual Yuletide Celebration is scheduled for Sunday December 30, at 2:15 p.m. This has become one of the major holiday events in the western suburban area in recent years. Started in 1978, the Arboretum's celebration became "official" in 1981 when we received a splinter from the Yule Log Association in Palmer Lake, Colorado, which has fostered this tradition in communities throughout the United States. Our Yule Log hunt will be followed by a ceremonial log burning, madrigal singing, and serving of hot steaming wassail. Watch your local papers and the Visitor Center bulletin board for more details.

BOOK DISCUSSION GROUP

An informal group meets about every two months on a Sunday at 2:15 p.m. in the Sterling Morton Library to discuss books of current or classical interest. Topics are selected by the group, and new members are always welcome. For information, call Carol Doty at 968-0074, ext. 44.

September 16: John Madson, *Where the Sky Begins: Land of the Tallgrass Prairie* (Houghton Mifflin, 1982) and other prairie readings. Leader, Dorothy Poling.

November 11: Readings on the Ginkgo tree. Leader, Clayton Fawkes.

January 20: Ann Zwinger, *Beyond the Aspen Grove* (Harper & Row 1981, paperback). Leader: Howard Stethers.

RESIDENT PROGRAM IN ENVIRONMENTAL EDUCATION IS EXPANDING

The Arboretum's highly-rated resident program for fifth-graders began over five years ago. While in residence, classes from participating schools stay in the Outpost building, and are guided by Arboretum instructors in a curriculum that is integrated into their regular schoolwork. Because facilities limit the number of classes that can be accommodated each year in the regular spring and fall sessions, the program is being expanded into the winter season, beginning in January-February, 1985. If you are associated with a school (public, parochial or private) that might be interested in joining the program, contact Ross Clark, Curator of Education at the Arboretum.

THANKS TO OUR MAILING VOLUNTEERS

Volunteers have been the hidden force behind the scenes who have permitted one mailing after another to arrive at our members' doorsteps. We wish to thank *all* those who have helped through the years. Today our loyal core group includes: Marianne and Mary Barbeau, Betty Berland, Bernadine Breitling, Marge Clink, Deanna Faber, Tippy Friedrich, Bob and Ruth Job, Sybil Kellogg, Frances Polek, Bill and Mildred Rahn, Lawrence and Esther Reed, Gladys Renn, Marian Swanson, and Dick and Ginny Young. Their patience and nimble fingers have helped us through many, many mailings.

CHAMBER MUSIC

The Members' Chamber Music Series will be continued this year with four winter concerts, the first one on Sunday, December 9. Detailed information on concerts and tickets will be mailed to members in the fall.

PRAIRIE ACTIVITIES

Prairie Day, Sunday, September 16

Our activities on Prairie Day will include tours of the Arboretum's restored prairie each hour, 11 a.m.-3 p.m., 50¢ per person) and informational displays at the Visitor Center. Join us in praise of prairies on Prairie Day!

Prairie Volunteers

As strange as it may seem, maintaining a prairie in the Prairie State these days requires constant thought and effort - the province of our Prairie Volunteer group. If you are a Prairie Volunteer, please try to attend these events:

Work Day, Sunday, Aug. 26, 1-4 p.m. Enter by Leask Lane gate as you bring saws, spades, pruners and muscles for removal of woody plants.

Fall Festival planning meeting, Tuesday, Sept. 11, 7:30 p.m. Come to Cudahy Auditorium to help plan participation in the Arboretum's biennial festive event.

Work Day, Sunday, Oct. 14, 1-4 p.m. Enter by Leask Lane gate as you bring plastic garbage bags or grocery bags and helping hands and feet for the seed harvest and threshing.

If you would like to join the Prairie Volunteers for any of these or future activities, call Pat Armstrong at the Arboretum.

GRANT TO FUND STUDY OF INDIANA DUNES NATIONAL LAKESHORE

The Morton Arboretum has received a grant from the National Park Service of the United States Department of Interior. The grant's title is: The Assessment of and Establishment of Monitoring Programs for Special Floristic Elements at Indiana Dunes National Lakeshore. It is a three year project as planned by the Park Service and our grant is for 1984.

Indiana Dunes National Lakeshores lists 116 State of Indiana endangered, threatened, and special-concern plant species within its confines. The project is divided into three separate yearly phases and the first year is a study of the species listed as endangered by Indiana. The Morton Arboretum is administering the project and is working in cooperation with the Natural Land Institute of Rockford on the study of Indiana endangered species in the Dunes.

There are two principal coordinators of the project: William J. Hess, Curator of the Herbarium at the Morton Arboretum, and Marlin L. Bowles, Management and Research Coordinator at the Natural Land Institute. They will be assisted in the field by Marcella M. Memauro and Kenneth F. Klick, both college students.

The objective of Phase I of the study is three-fold. 1) to gather quantitative data on the distribution, vitality and population size for the 48 species listed as endangered by the State of Indiana, 2) to establish permanent sampling sites for photographic and quantitative monitoring; 3) to establish a monitoring scheme that will be applicable to any plant species on National Park Service lands. Over 100 man days are projected for the completion of the field studies on these 48 species.

According to the agreement between the Morton Arboretum and the National Park Service, a report including recommendations will be presented to the Indiana Dunes National Lakeshores representative by December 31, 1984. The report will present the problem, methods utilized in the study results, and an analysis.

FAP 431 UPDATE

Negotiations between highway and tollway officials and the Arboretum have resulted in no agreement, since plans for construction and promises of mitigation are too vague to be seriously studied.

On June 20, over 150 people boarded buses for Springfield and spent the day talking with legislators. The same day Charles Haffner III, chairman of the Arboretum's board of trustees, announced that the Arboretum was making a large purchase of Tollway Authority bonds as an investment and a means of gaining some influence over future maneuvering for the ill-conceived new tollway. At press time, legislation to authorize funding of the new tollway was still under consideration by the House of Representatives.

The trustees and employees of the Arboretum are most thankful to all of you who have given thought, time and effort so generously. Please continue to help public opinion is definitely in our favor!

FALL BONSAI SHOW

September 29-30 (Saturday & Sunday)

Plan to attend the Morton Arboretum Bonsai Society's annual fall show at Thornhill Conference Center. Treat yourself and your gardening friends to the pleasure of viewing a large number of locally grown miniature trees, enjoying bonsai masters as they demonstrate and explain growing and training techniques, seeing a movie, and discussing the art of bonsai with enthusiastic practitioners. Workshops with bonsai masters will be available by prior registration. Join us in this festival of the ancient Oriental horticultural art, transplanted to the Arboretum.

WHAT HAS 300 FEET? (AND WE HOPE YOURS WILL BE TWO OF THEM)

Those 300 feet and the people attached to them are what will make our Fall Festival a reality this year. On one autumn weekend, thousands of people from our community visit and learn more about the many facets of the Arboretum.

We need your help on September 22 and 23. Consider enjoying this year's festival from behind the scenes for just a few hours one day. The Arboretum can use your help in every conceivable way: pressing cider, cooking bratwurst, painting faces on pumpkins, or recruiting new members (to name just a few of those ways). Available weekdays before the festival? Come help us with preparations and learn the secret story behind our acclaimed taffy apples!

Recruit a friend, a spouse, a parent, a neighbor (use your imagination!) and spend part of an autumn day together helping the Arboretum give this special festival to its community. For further information, please call the Volunteer Office at 968-0074, and thank you for sharing much, much more than just a pair of feet!

DR. WARE TO TOUR JAPAN

Dr. George Ware will be accompanying a horticultural tour group to Japan this autumn. The twenty-four-day tour (November 1-24) will make stops at Tokyo, Kyoto, and Osaka to view the plants and gardens of Japan. Anyone interested should contact Dr. Ware for details at 968-0074.

CLASSES

INSTRUCTIONS FOR CLASS AND FIELD TRIP PARTICIPANTS

In seasons other than winter, Arboretum classes and field trips are held regardless of weather. Comfortable and appropriate field clothing, including walking shoes, is advised for outdoor activities, on warm evenings in summer and fall, insect repellent is helpful. Please arrange your travel so that you arrive promptly for classes.

NATURAL HISTORY

N14 FIELD NATURAL HISTORY*

An introduction to local natural history and ecology. We will concentrate on fall wildflowers, deciduous trees, habitat studies, and introductions to geology and animal life. Most of each session will be spent outdoors. Limit, 20 per section. Location: The Outpost. **Section a:** Leader, Liz Bacon. 9 Tuesdays, 9:30 a.m. to noon, Sept. 11 - Nov. 6. Fee: \$31.50 (members, \$25.50) **Section b:** Leader, Gloria Dobry. 5 Saturdays, 1 to 3:30 p.m. Sept. 8 - Oct. 13, omitting Sept. 22. Fee: \$17.50 (members, \$14.50)

N140 UNDERSTANDING THE LANDSCAPE

Two illustrated lecture-discussions on how and when the glaciers shaped our local landscape, followed by a local field trip to explore and identify the natural features that are all around us. Join us and learn to appreciate how varied and interesting this part of Illinois really is! Leader: Pat Kelsey. 2 Wednesdays, 7:30 to 9:30 p.m. Sept. 5 & 12, and Saturday Sept. 15, 9 a.m. to 3 p.m. Cudahy Auditorium, Administration Building. Fee: \$22.50 (members, \$18.50). Limit, 20.

N180 PROMISES UNKEPT: BENJAMIN SMITH BARTON AND HIS BOOKS

He had "every qualification of a great naturalist except success," said one of his contemporaries, and yet Barton wrote the first botanical textbook published in the United States, a score of other works, and projected many more. In the eyes of his associates and those who followed him, however, he did not fulfill the promise of his ability and resources. This question is examined in the context of his life and works. Leader: Ian MacPhail. 2 Mondays, 7:30 to 8:30 p.m. Nov. 5 & 12. Sterling Morton Library. Fee: \$9 (members, \$7.50). Limit, 70.



The Arboretum's educational program, taken as a whole, is designed to foster understanding and appreciation of the importance that trees and other plants have in natural ecological systems and in environments modified by humans, and to convey the responsibility each person must assume for the well-being of nature in our immediate, regional and world-wide surroundings.

N260 BIRD STUDY AND OBSERVATION

Studies of the structure, habits and conservation of native birds. Each day's work will consist of an indoor session and an outdoor observation period. Leaders: Gloria Dobry & Carol Fialkowski. 5 Saturdays, 9:30 a.m. to noon, Sept. 8 - Oct. 20, omitting Sept. 22 & 29. The Outpost. Fee: \$28 (members, \$23) Limit, 15.

FN260 INTERMEDIATE BIRD WALKS*

Field observation trips of birds on the Arboretum grounds. Some knowledge of at least the common birds is recommended. No children or groups, please. Leader: Floyd Swink. 5 Fridays, 8:30 to 11 a.m. Sept. 7 - Oct. 5. Visitor Center courtyard. Fee: \$15 (members, \$12.50). Limit, 25.

N3 PRAIRIE PEDALING*

The prairie in autumn is a place of special appeal. Enjoy the colors of early fall with a leisurely ride through the Arboretum and a walk into the restored prairie to experience its seasonal aspect. Leaders: Helen Pierce & Carol Way. Saturday, Sept. 8, 7:30 to 9:30 a.m. Visitor Center Parking lot. Fee: \$2.50 (members, \$2). Limit, 30.

BOTANICAL TOPICS

B152 FALL WILDFLOWERS*

Had you noticed that the flowers of fall are just as showy (but perhaps much less appreciated) as those of spring? In these sessions, we will concentrate on asters, goldenrods and grasses. Leader: Pat Armstrong. 5 Wednesdays, 1 to 3 p.m. Sept. 12 - Oct. 10. Thornhill west classroom. Fee: \$22.50 (members, \$18.50). Limit, 20.

B215 INTRODUCTION TO MUSHROOMS

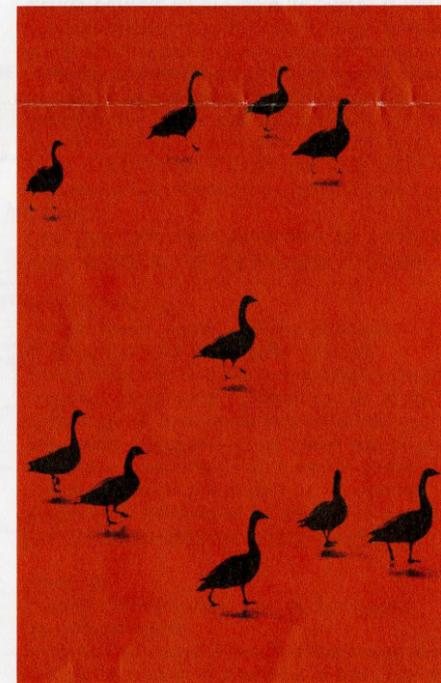
A beginner's course in fleshy fungi, emphasizing gilled mushrooms, with discussions on structure, nomenclature and ecology, and considerable guided practice in the generic identification of specimens collected on brief forays. Some attention to wild mushrooms as food will be given. Open only to those with little or no experience in mushroom study. Leader: Dick Wason. 6 Mondays, 9:30 to noon, Sept. 10 - Oct. 22, omitting Oct. 8. Botany Lab, Research Center. Fee: \$34 (members, \$28). Limit, 18.

FN60 BIRD WALKS FOR BEGINNERS*

A gentle jaunt to look and listen for birds and to learn recognition features for the common kinds. Weather permitting, a demonstration of bird banding will be included (Section c only). Departure point: Thornhill Building. Limit, 20 (no organized groups, please). **Section a:** Saturday Sept. 29 8:30 to 11 a.m. Leader: Carol Fialkowski. **Section b:** Saturday Oct. 13, 8:30 to 11 a.m. Leader: Liz Bacon. **Section c:** Saturday Oct. 20, 7:30 to 10 a.m. Leader: Dick Wason.

*Appropriate identification aids, such as binoculars, hand lenses and field guides, are recommended for these activities.

(CLASSES continued inside)



CLASSES (continued)

B-219 INTERMEDIATE MUSHROOM IDENTIFICATION

Prerequisite: B215 or equivalent. Focus will be on the identification to species of local fungi, emphasizing agarics. Consideration of the classification of fungi and microscopic features used in taxonomy will be included. Required text: *How to Know the Gilled Mushrooms* (Smith, Smith & Weber), available in the Arboretum's gift shop.
Leader: Dick Wason. 8 Tuesdays, 7:30 to 9:30 p.m., Sept. 4 – Oct. 23. Botany Lab, Research Center. Fee: \$36 (members, \$29.50). Limit, 18.

B201 TREES OF THE CHICAGO REGION*

Learn how to identify the trees of Chicagoland quickly and precisely – cultivated and native species. In this comprehensive course we will seek out, identify and learn the recognition features of as many trees of the region as we can encounter, using a recently written aid to tree identification developed at the Arboretum. Especially recommended for employees of tree care firms and nurseries, Scout leaders, or anyone else who wants to become the neighborhood whiz on tree identification!
Leader: Craig Johnson. 5 Saturdays, 1 to 4 p.m. Sept. 15 – Oct. 20, omitting Sept. 22. Botany Lab, Research Center. Fee: \$33 (members, \$27). Limit 20.

B261 PRAIRIE PLANT IDENTIFICATION

A class for serious students of prairie. We will learn scientific and common names of families, genera and species of about 150 native grasses and forbs, with the aid of herbarium specimens, color slides, and other specimens brought in from the field. You will be expected to pass a comprehensive exam at the end of the course
Leader: Pat Armstrong. 11 Tuesdays, 7 to 9 p.m. Sept. 18 – Nov. 27 Cudahy Auditorium, Administration Building. Fee: \$49.50 (members, \$40). No limit.

HORTICULTURE & LANDSCAPING

H2 PROPAGATION FACILITIES TOUR

The propagation group is responsible for raising the new trees and shrubs that the Arboretum collections' future. Join our Propagator and follow the process of growing them, from exotic seeds through germination, greenhouses and nursery areas, including an explanation of how we keep records on the thousands of plants with which we work.
Leader: Kris Bachtell. Horticulture Lab, Research Center. Fee: \$4.50 (members free, but registration required). Limit, 24.
Section a: Saturday Oct. 6, 10:30 a.m. to 12:30 p.m.
Section b: Sunday Oct. 7 1:30 to 3:30 p.m.

H221 WOODY LANDSCAPE PLANTS: DECIDUOUS TREES

A series of studies of large and medium-sized trees which lose their leaves in autumn. We will cover identification of species and important cultivars, as well as hardiness, siting, maintenance, propagation, common pests and other maladies, and sources from which plants may be obtained. This series may be of special interest to nurserymen, landscapers and arborists. You may register for the entire series or for single sessions. Each session meets on a Wednesday from 1 to 4 p.m. in the Horticulture Lab, Research Center. Fee (series): \$34 (members, \$28); single sessions, \$7 (members, \$6). **When registering for single sessions, use numbers below; use the main course number (above) if registering for the series.** Limit, 20. Each session may cover a few plants in addition to those listed.

H221a Birches and Poplars

Sept. 19 Leader, Ann Hruska

H221b Ashes and Lindens

Oct. 3 Leader, Bill Hess

H221c Maples and Hickories

Oct. 10 Leader, Ross Clark

H221d Elms

Oct. 17 Leader, George Ware

H221e Oaks

Oct. 24 Leader, George Ware

H33 WOODY PLANTS IN FALL

Horticultural aspects of woody plants in autumn: a study of foliage and fruits and their relationships to landscape design and garden placement of trees and shrubs.
Leader: Tony Tyznik. Thursday, Oct. 11, 9:30 to 11:30 a.m. Patio behind Administration Building. Fee: \$3 (members, \$2.50). Limit, 30.

H217 EVERGREENS IN THE LANDSCAPE

An indoor-outdoor program on evergreens, with suggestions on selection of varieties, siting, cultural practices and landscape uses.
Leader: Tony Tyznik. Thursday Oct. 11, 1:30 to 3:30 p.m. Cudahy Auditorium, Administration Building. Fee: \$3 (members, \$2.50). Limit, 30.

H323 SMALL TREES AND SHRUBS IN AUTUMN

A review of plants covered in previous Woody Landscape Plants classes, focusing on the aspect of their foliage and fruit displays in autumn. Limit, each section, 25.
Leader: Karla Patterson. Rotunda, Administration Building. Fee: \$7 (members, \$6), each section, both sections for \$13 (members, \$11).
Section a: Sumacs, crabapples, amelanchiars, and others. Tuesday Oct. 16, 1 to 4 p.m.
Section b: Viburnums, small Asian maples, and others. Thursday, Oct. 18, 1 to 4 p.m.

HORTICULTURAL THERAPY

H270 HORTICULTURE AS THERAPY

Many of us realize how associations with plants are beneficial in our own lives. Horticulture can also be an effective activity therapy for hospitalized patients, institutionalized adults, and other persons with a variety of physical or mental limitations. Horticultural therapy is increasingly recognized as a valid activity in its own right and has been training and registering professionals since the early 1970's. Join us to learn more about this useful activity its potential, and how it is employed throughout the country. Our sessions will include lecture-discussion, simulations, and demonstrations. Our instructor is a practicing, consulting horticultural therapist who is experienced in both the theory and practice of the field.
Leader: Joan Shoemaker. 2 Fridays, 2 to 4 p.m. Sept. 7 & 14. Godshalk Hall, Thornhill Building. Fee: \$10 (members, \$9). Limit, 15.

H520 GROUP HORTICULTURAL ACTIVITIES FOR INSTITUTIONALIZED AGING CLIENTS

Horticultural programs are increasingly being used by institutions that serve aging persons. We will survey pertinent theory and research, and consider the planning and evaluation of therapeutic horticultural activities with elderly persons. Class members will participate in several activities which may be used in institutional settings with elderly clients, and conduct such an activity in a neighboring institution. Especially recommended for professionals, paraprofessionals and volunteers who work with elderly clients. Join us for these self- and other-person enriching experiences; **credit toward registration in horticultural therapy will be available.**
Leader: Joan Shoemaker. 6 Fridays, 2:30 to 4:30 p.m. Oct. 5 – Nov. 9 Godshalk Hall, Thornhill Building. Fee: \$36 (members, \$30) Limit, 15.

ART, PHOTOGRAPHY & CRAFTS

A110 BEGINNING BOTANICAL ART

Beginners in art or beginners in botanical drawing are invited to join this class – high school and college students are welcome! As we study and draw details of living plants from the Arboretum's collections, we will emphasize eye-hand coordination and develop our capacity to understand our subjects from a critical botanical standpoint. Daily drawing exercises, weekly assignments (completed at home and critiques will be regular activities. A materials list will be sent to all registrants.
Leaders: Peach Simonds, artist; Ross Clark, botanist. 6 Tuesdays, 7 to 9 p.m. Oct. 9 – Nov. 13. Lower level of Research Center. Fee: \$27 (members, \$22). Limit, 15.

A210 INTERMEDIATE BOTANICAL ART

Join us and continue to build your capacity for critical observation and skills as a botanical artist. We will concentrate on refining techniques in pen and ink, pencil, and other media. A materials list will be sent to you before the first class. Be prepared to complete assignments at home. **Please do not register for this class unless you have previously taken Beginning Botanical Art at the Arboretum.**
Leaders: Nancy Hart, artist; Ross Clark, botanist. 6 Tuesdays, 7 to 9:30, Oct. 9 – Nov. 13. Horticulture Lab, Research Center. Fee \$34 (members, \$28). Limit, 15.

A316 INTERMEDIATE STUDIES OF PLANTS IN WATER COLOR

Prerequisite: Permission of instructor. A continuation of the Arboretum's basic botanical water color class, including further exploration of color theory and transparent color, with plants as subjects.
Leader: Nancy Hart. 8 Wednesdays, 9:30 a.m. to 2 p.m. Sept. 26 – Nov. 21, omitting Oct. 3. Botany Lab, Research Center. Fee: \$81 (members, \$66) Limit, 15.

A25 BEGINNING NATURE PHOTOGRAPHY

A basic class for those interested in 35 mm. photography (slides) of natural subjects. Our main topics of discussion will include understanding how your camera functions and how to handle it properly and effectively including the use of through-the-lens meters. Each student should bring 2 of his/her own color slides each evening for comments.
Leader: John Kohout. 2 Mondays, 7 to 10 p.m. Oct. 22 & 29 Cudahy Auditorium, Administration Building. Fee: \$13.50 (members, \$11) Limit, 100.

A225 INTERMEDIATE NATURE PHOTOGRAPHY

Prerequisite: A25 or permission of instructor. We will continue the discussions we began in the previous class (A25), by considering more specialized subjects, including proper use of filters, using depth of field to best advantage, fundamentals of lighting, the use of different lenses, and other topics. Students should bring 2 slides each evening for comments.
Leader: John Kohout. 3 Mondays, 7 to 10 p.m. Nov. 5, 12 & 19 Cudahy Auditorium, Administration Building. Fee: \$20.50 (members, \$16.50) Limit, 100.

A1 DECORATING FOR CHRISTMAS

A workshop designed to help you make your own special decorations for the season! We will discuss materials, demonstrate techniques, and during the following work session, you will create your own decorations to take home. Some greens will be provided, but you may wish to bring your own for special effects. Bring some of your own materials for the items you wish to make – wire frames for wreaths, heavy cord and pliable wire for swags and roping, cones, candles, ribbons, etc. A limited supply of other materials will be available for purchase at cost. Bring your lunch.
Leader: Tony Tyznik.
Section a: Tuesday, Dec. 4, 9:30 a.m.-3:30 p.m.
Section b: Wednesday, Dec. 5, 9:30 a.m.-3:30 p.m. Audubon Room, Thornhill Building. Fee: \$13.50 (members, \$11). Limit, 50.

A2 DRIED ARRANGEMENTS

Autumn is the best time for collecting dried plant materials and arranging them into strikingly decorative groupings. Our first session will feature the recognition and collection of materials, and the final session will be spent composing them into varied and unusual arrangements.
Leader: Tony Tyznik.
2 Wednesdays, 9:30 a.m. to 12:30 p.m., Sept. 5 & 12. Audubon Room, Thornhill Conference Center. Fee: \$7 (members, \$5.50). Limit 30.

ACTIVITIES FOR YOUNG PEOPLE

FYN2 NATURE WALKS FOR PARENTS AND TOTS

These outdoor nature awareness activities will begin to help your preschooler (age 3-5) satisfy his or her curiosity about the natural world. Please dress for the weather, as classes will run rain or shine. You may register for more than one session. All sessions are scheduled for 10 to 11 a.m. beginning at the Visitor Center courtyard.
Section a: Wednesday, Sept. 5
Section b: Saturday, Sept. 8
Section c: Wednesday, Nov. 7
Section d: Saturday, Nov. 10
Leaders: Arboretum Naturalist-Guides. Fee, per child, \$5 (members, \$4). Limit, 35 children & parents per session.

YN14 GETTING READY FOR WINTER

Animals and plants that live outside must begin to get ready for winter long before winter begins to happen. We will investigate why winter happens, how living things know it is coming, and how they prepare for it, as we explore the Arboretum's fields and forests. Bring your lunch.
Leader: Arboretum Naturalist-Guides. Saturday November 10, 9 a.m. to 2 p.m. The Outpost. Fee: \$10 (members, \$8) No limit.

YB100 KNOWING YOUR TREES (Grades 6-12)*

Each fall, many students ask the Arboretum for help with assignments on tree identification and leaf collecting. Join us for one of these sessions, and we'll help you complete your assignment! In addition to helping you to identify trees and allowing you to collect leaf samples (something we don't ordinarily do), we will help you to learn more about the trees themselves.
Leaders: Arboretum Naturalist-Guides. 1 to 3:30 p.m. Thornhill, west classroom. Fee: \$5.50 (members, \$4.50). No limit.
Section a: Saturday September 15
Section b: Saturday October 6
Section c: Saturday October 13

YN291 INSECTS!**

The most common advanced land animals on earth, insects live, eat and behave in almost every way you can imagine. Join a group of other detectives as we roam the Arboretum's fields, prairies and forests listening, watching, catching and releasing these fascinating animals and learning about their ecologically important ways. Bring your lunch.
Leaders: Arboretum Naturalist-Guides. Saturday Sept. 15, 9 a.m. to 2 p.m. Audubon Room, Thornhill Building. Fee: \$10 (members, \$8). No limit.

SPECIAL TEACHERS' WORKSHOP

KNOWING YOUR TREES Saturday, September 15, 9:30 a.m. to 12:30 p.m.
This special workshop is designed to help teachers plan a tree identification unit, using trees in the school or local community. Participants will receive a booklet, which will form the basis for discussion on teaching the subject matter. Fee: \$3 (call the Registrar to register)

FOR COLLEGE CREDIT

ARBORICULTURE

(HORT 251, University of Illinois)
A course offered in cooperation with the University of Illinois' Urbana-Champaign campus, for 3 hours of undergraduate credit. Topics covered will include principles of care and maintenance of ornamental trees and shrubs in the established landscape; consideration of environmental factors, soils, nutrition, pruning, tree surgery and insect and disease control. **For registration information, call the University's regional office at 312/225-3320.**
Leader: David Williams. 14 Wednesdays, 6:30 to 9:45 p.m. Sept. 5 – Dec. 5. Botany Lab, Research Center. Fee: \$144 tuition + \$15 registration fee, payable to the University. Limit, 25.

EVENING LECTURES

L1 FROST AND WINTER DAMAGE: HOW IT HAPPENS AND HOW TO PREVENT IT

When frost is predicted, will you cover your plants, set out sprinklers, light smudge pots, or just pray? This session will review the damaging effects of both frost and winter on plants, with a discussion of ways of preventing damage by low temperatures.
Leader: Charles Lewis. Thursday, September 20, 7:30 to 9:30 p.m. Cudahy Auditorium, Administration Building. Fee: \$3 (members, \$2). Limit, 100.

L2 TREES AND SOILS

An intriguing session on how trees and soils interact, each affecting and leaving a legacy for the other. This lecture will help you keep your trees healthier, by helping you to understand what trees require and the limitations that soils in our area impose on tree growth.
Leader: Pat Kelsey. Thursday October 4, 8 to 9:30 p.m. Cudahy Auditorium, Administration Building. Fee: \$3 (members, \$2). Limit, 100.

L3 LATE-FLOWERING WOODY PLANTS OF THE ARBORETUM

An illustrated lecture featuring cultivated woody plants of the Arboretum which are found in flower at the summer solstice, later in summer, or in the fall. Trees, shrubs, woody vines and subshrubs are included.
Leader: Ray Schulerberg. Thursday October 11, 7:30 to 9 p.m. Cudahy Auditorium, Administration Building. Fee: \$3 (members, \$2). Limit, 100.

L4 SPECIAL TREES AND SHRUBS TO GROW

Have you ever considered planting something to make your yard stand out among the rest? A number of ornamental plants in the Arboretum's collections should be planted more widely, and this evening we will focus on 30 of them in an illustrated lecture-discussion. Culture, propagation and availability will be included.
Leaders: Kris Bachtell & Karla Patterson. Wednesday October 24, 7:30 to 9:30 p.m. Cudahy Auditorium, Administration Building. Fee: \$3 (members, \$2). Limit, 100.

L5 THE ARBORETUM AND CHICAGO'S ARCHITECTURAL HERITAGE

This well-illustrated lecture traces the Arboretum's development within a rich artistic and cultural heritage, beginning with the earliest farm dwellings, continuing through two World's Fairs, into the age of the skyscraper. It presents an appreciation of the Morton family and their involvement of Chicago notables in designing the buildings and sculpture of the Arboretum. Included are Jarvis Hunt, John Holabird, O.C. Simonds, Howard T. Fisher, Sylvia Shaw Judson, Harry Weese, Arthur Myhrum, Father Edward Catich, and others. Historical photographs of the Arboretum and the original Morton house will be shown.
Leader: Carol Doty. Thursday, Nov. 15, 7:30 to 9 p.m. Cudahy Auditorium Administration Building. Fee: \$3 (members, \$2) Limit, 100.

FIELD TRIPS

F80 THE FOREST IN AUTUMN*

Saturday, September 8, 9:30 a.m. to 3 p.m.
Join us for a trip to the Palos forests, where we will celebrate the golden days of autumn in the out-of-doors. We will make several stops during the day for walks in particularly significant areas. Forest ecology, geological history and some plant identification will be emphasized. Wear hiking shoes and bring lunch and beverage. We will meet at 9:30 a.m. at the Little Red Schoolhouse; when you register, we will send driving directions.
Leader: Craig Johnson. Fee: \$8 per person. Limit, 25.

F54 ILLINOIS BEACH STATE PARK*

Wednesday, September 26, 10 a.m. to 2:30 p.m.
Join us for an outing to part of our inland coastline! Observations on geology native vegetation, wildflowers and fauna will be included. Bring your lunch and beverage. We will meet at the Park's Nature Center at 10 a.m. Registrants will receive directions on how to reach the Park (near Zion, Illinois).
Leader: Floyd Swink. Fee: \$10 (members, \$8.50)- Limit, 35.

FN60 BIRDING AT CRABTREE NATURE CENTER*

Saturday, September 29, 9 a.m. to 2 p.m.
Crabtree is the newest Cook County Forest Preserve nature center – more than 1000 acres on rolling, postglacial landscape, located near Barrington. Our birding activities will take us through a variety of habitats, including bur oak woodlands, wetlands and prairie. Bring your lunch and beverage. Those needing a ride or wishing to carpool should meet in the Research Center parking lot at 7:30 a.m. sharp. If not carpooling, call the Registrar and travel directions will be sent to you.
Leaders: Carol Fialkowski & Gloria Dobry. Fee: \$11.50 (members, \$10). Limit, 30.

F145 WARREN WOODS*, Saturday, October 27, 8 a.m. to 4 p.m.

Warren Woods, in Berrien County Michigan, is probably the finest example of northern beech-maple forest in the world, a small remnant of what once was. This trip will help to put you in touch with your ecological roots, near the time of peak fall color. Meet in the Research Center parking lot at 8:00 a.m. to form carpools, and bring lunch and beverage.
Leader: Craig Johnson. Fee: \$18.50 per person. Limit, 25.



FIELD SEMINARS

F280 BIRD ART ADVENTURE, WISCONSIN*, October 3-6, 1984

There are still a few spaces for this trip, which will center around the international Birds in Art Exhibition at Leigh Vawkey Woodson Art Museum in Wausau. Students will stay at the Mead Inn in Wisconsin Rapids, and sessions will include a seminar with at least one of the artists represented in the show, visits to the International Crane Foundation and Aldo Leopold Memorial Reserve near Baraboo, a visit to a commercial cranberry marsh during the harvest (a spectacular sight!), and other related activities. A pre-trip seminar will be held at the Arboretum on August 25 with George Harrison, consultant for the Birds in Art Exhibition and well-known author. For a full description, see the Summer 1984 issue of *Events, News & Classes*. A registration form is available from the Registrar.
Leaders: Carol Doty & Nancy Hart. Fee per person: \$265 double occupancy, \$290 single. Students will arrange their own transportation.

F205 AUTUMN IN SOUTHERN ILLINOIS*, November 8-11, 1984

A three-day excursion to the part of our State where autumn comes more softly and gently. Beginning with the full moon's rise over the Shawnee Hills, our activities will include walks at a leisurely pace to observe and photograph plant communities in late fall color, late prairie and woodland wildflowers, migratory birds, geologic formations and fossils. The itinerary and suggestions on food and lodging will be sent to registrants. Your fee of \$87.50 includes a share of leaders' expenses, tuition, and a \$20 tax-deductible contribution to the Arboretum. Travel and other expenses are the responsibility of the participant. Call Pat Armstrong if you wish further information.
Leaders: Pat Armstrong & John Kohout. Limit, 20.

A LOOK AHEAD – TO THE APPALACHIANS

The Arboretum is considering repeating its popular field seminar, "Spring in the Southern Appalachians," in mid- to late-April, 1985. This trip to North Carolina (led by Dick Wason and Ross Clark) will be preceded by a course on the natural history of the region (prerequisite for newcomers wishing to take the trip, and recommended for previous participants). Those who have not previously taken this trip will receive priority and space will be limited. If you are interested, please call the Registrar. Your response will help us gauge the feasibility of repeating this activity, and you will receive further information as it becomes available.

*Appropriate identification aids, such as binoculars, hand lenses and field guides, are recommended for these activities.

REGISTRATION INFORMATION

OUR INSTRUCTORS

FULL-TIME ARBORETUM EMPLOYEES

PAT ARMSTRONG, *Youth Education Coordinator*
KRIS BACHTHELL, *Propagator*
ROSS CLARK, *Curator of Education*
CAROL DOTY, *Education Group Administrator*
NANCY HART, *Art Coordinator*
BILL HESS, *Curator of the Herbarium*
PAT KELSEY, *Research Soil Specialist*
JOHN KOHOUT, *Photographer*
CHARLES LEWIS, *Collections Group Administrator*
Horticulturist
IAN MACPHAIL, *Librarian*
KARLA PATTERSON, *Visitor Program Coordinator*
RAY SCHULENBERG, *Curator of Collections*
FLOYD SWINK, *Taxonomist*
TONY TYZNIK, *Landscape Architect*
GEORGE WARE, *Research Group Administrator*
Dendrologist
DICK WASON, *Naturalist*

ARBORETUM NATURALIST-GUIDES

LIZ BACON, GLORIA DOBRY CAROL FIALKOWSKI, CRAIG JOHNSON, HELEN PIERCE, CAROL WAY

INSTRUCTORS FROM OUTSIDE THE ARBORETUM

ANN HRUSKA, *Horticulturist Lisle*
JOAN SHOEMAKER, *HTM, Horticultural Therapist, Morton Grove*
DAVID WILLIAMS, *Associate Professor Horticulture, University of Illinois, Urbana-Champaign*

SEND APPLICATION AND FEES TO: REGISTRAR, THE MORTON ARBORETUM, LISLE, ILLINOIS 60532

REGISTRATION FORM

Name _____		<input type="checkbox"/> Member	<input type="checkbox"/> Non-member	
Address _____		Daytime telephone _____		
Town _____		Zip _____ Evening telephone _____		
Class #	Sept	Class Title	Applicant's Name	Fee

Have you enclosed your return envelope? _____
Make checks payable to THE MORTON ARBORETUM TOTAL ENCLOSED _____

MEMBERSHIP APPLICATION

Name _____	Date _____
Address _____	Daytime telephone _____
Town _____	Zip _____ Evening telephone _____
<input type="checkbox"/> New	<input type="checkbox"/> Renewal
Type of membership preferred.	
<input type="checkbox"/> Individual \$25	<input type="checkbox"/> Family \$35
<input type="checkbox"/> Contributing \$100 or more	
Master Charge No. _____	
Visa (BankAmericard) No. _____	
Credit card expiration date: _____	
Signature: _____	
Is this a gift membership? <input type="checkbox"/> yes <input type="checkbox"/> no	
If yes, from whom _____	

Please make checks payable to THE MORTON ARBORETUM and mail to: Membership Office, The Morton Arboretum, Lisle, Illinois 60532.



THE MORTON ARBORETUM
LISLE, ILLINOIS 60532

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