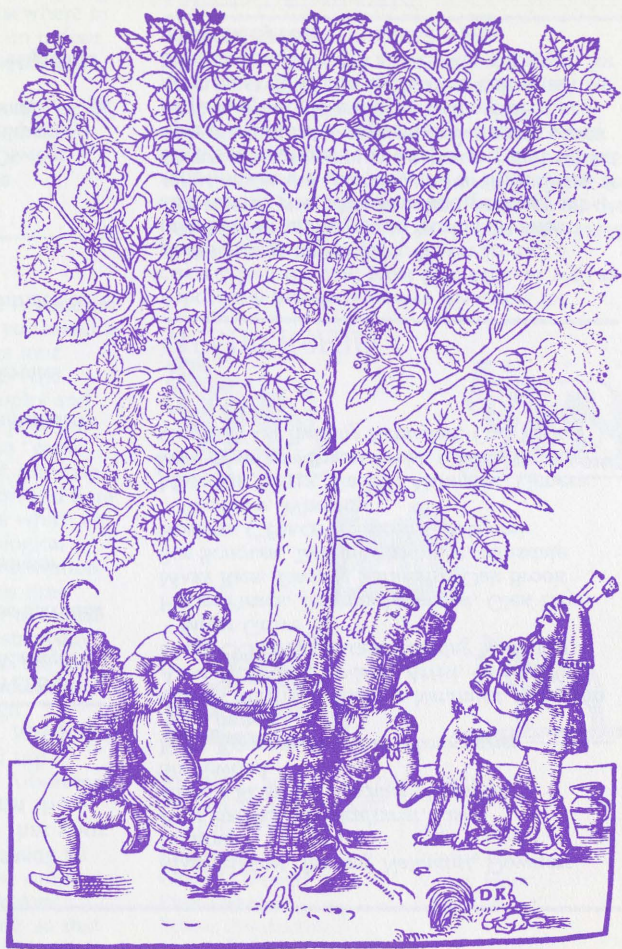


SPRING 1986

EVENTS, NEWS, & CLASSES

The Morton Arboretum



EVENTS

MARCH

- 2 **Guided Tour:** *Introducing the Arboretum*, Visitor Center, 2 p.m.
- 5 **Nature Study & Camera Club Meeting:** "Illinois Crown Jewels" by Bill Glass, Thornhill Conference Center, 7:30 p.m.
- 6 **Behind the Scenes at the Arboretum:** (volunteers only), Sterling Morton Library, 7-9 p.m.*
- 9 **Maple Syrup-Making Demonstrations:** Thornhill, 10 a.m.-4 p.m.
- 15 **Nature Ramble:** *Buds, Bark, & Branches*, Visitor Center, 1 p.m.**
- 16 **Maple Syrup-Making Demonstrations:** Thornhill, 10 a.m.-4 p.m.
- 16 **Ski Trail Closes**
- 19 **Nature Study & Camera Club Meeting:** "New Zealand" by Jack Appel, Thornhill Conference Center, 7:30 p.m.
- 23 **Chamber Concert:** *The Harwood Early Music Ensemble*, "Music in the Life of Eleanor of Aquitaine" Thornhill Conference Center, 2:15 p.m.*
- 24 **Bonsai Society Meeting:** Research Center, 7:30 p.m.

APRIL

- 2 **Nature Study & Camera Club Meeting:** Competition, Thornhill Conference Center, 7:30 p.m.
- 6 **Guided Tour:** *Introducing the Arboretum*, Visitor Center, 2 p.m.
- 12 **Nature Ramble:** *Signs of Spring*, Visitor Center, 1 p.m.**
- 19-20 **Open-Air Bus Tours:** Visitor Center, 1 & 2 p.m.**
- 25-26 **Members' Cooperative Research Program:** Plant pick-up, Horticulture Lab, 10 a.m.-4 p.m.*
- 26 **Arbor Day:** *A Celebration of Trees*, East Side, 1-4 p.m.
- 26-27 **Open-Air Bus Tours:** Visitor Center, 1 & 2 p.m.**
- 28 **Bonsai Society Meeting:** Research Center, 7:30 p.m.

MAY

- Week-days **Open-Air Bus Tours:** Visitor Center, 1 & 2 p.m. (throughout the month). Limited tickets; first-come, first-served **
- 3 **Nature Ramble:** *Wildflowers*, Visitor Center, 1 p.m.**
- 3-4 **Open-Air Bus Tours:** Visitor Center, 12, 1, 2, & 3 p.m.**
- 4 **Guided Tour:** *Introducing the Arboretum*, Visitor Center, 2 p.m.
- 7 **Nature Study & Camera Club Meeting:** "Close-up Photography" by Bill Christiansen, Thornhill Conference Center, 7:30 p.m.
- 9 **Volunteers' Tour:** (Open-Air Bus), Visitor Center Courtyard, (rain date, May 16) 9 to 11 a.m.*
- 10 **Guided Walk:** *Exploring a Woodland Legacy*, (2 hrs. rough hiking), Visitor Center, 1 p.m.**
- 10-11 **Open-Air Bus Tours:** Visitor Center, 12, 1, 2, & 3 p.m.**
- 11 **Chamber Concert:** *Chamber Music Unlimited*, mezzo soprano and harpsichord, harpsichord solo, Thornhill Conference Center, 2:15 p.m.*

- 17 **Nature Ramble:** *Wildflowers and Native Flowering Shrubs*, Visitor Center, 1 p.m.**
- 17-18 **Open-Air Bus Tours:** Visitor Center, 12, 1, 2, & 3 p.m.**
- 21 **Nature Study & Camera Club Meeting:** "Techniques of Bird Photography," by Ben and Alma Goldstein, Thornhill Conference Center, 7:30 p.m.
- 24-25 **Open-Air Bus Tours:** Visitor Center, 12, 1, 2, & 3 p.m.**
- 26 **Memorial Day:** Visitor Center Open, 9 a.m. to 5 p.m.
- 26 **Family Holiday Ramble:** Visitor Center, 1 p.m.**
- 30 **Members' Evening:** Arboretum East Side, 5:30-8:30 p.m.

JUNE

- 1 **Open-Air Bus Tours:** Visitor Center, 12, 1, 2, & 3 p.m.**
- 1 **Guided Tour:** *Introducing the Arboretum*, Visitor Center, 2 p.m.
- 7-8 **Open-Air Bus Tours:** Visitor Center, 1 & 2 p.m.**
- 11 **Nature Study & Camera Club Meeting:** Thornhill Conference Center, 7:30 p.m.
- 13 **Members' Evening:** Arboretum East Side, 5:30-8:30 p.m.
- 14 **Guided Walk:** *Exploring a Woodland Legacy*, (2 hrs. rough hiking), Visitor Center, 1 p.m.**
- 14-15 **Open-Air Bus Tours:** Visitor Center, 1 & 2 p.m.**
- 15 **Looking at Plants:** *The Reading Garden and Roses*, Visitor Center, 2 p.m.**
- 18 **Volunteers' Tour:** (Open-Air Bus), Visitor Center Courtyard, (rain date, June 25) 7 p.m.*
- 21 **Tree Trimmers' Jamboree:** West side, 10:30 a.m.-5 p.m.
- 21 **Nature Ramble:** *Meadow and Pond*, Visitor Center, 1 p.m.**
- 21-22 **Open-Air Bus Tours:** Visitor Center 1 & 2 p.m.**
- 23 **Bonsai Society Meeting:** Research Center, 7:30 p.m.
- 25 **Nature Study & Camera Club Meeting:** Thornhill Conference Center, 7:30 p.m.
- 27 **Members' Evening:** Arboretum East Side, 5:30-8:30 p.m.
- 28-29 **Open-Air Bus Tours:** Visitor Center, 1 & 2 p.m.**

* Preregistration and/or fee required

**Rambles, walks and tours \$1/person, \$3/family of 3 or more; Open-Air Bus Tours \$1.50/person

SPRING WALKS AND TOURS

The Arboretum offers a variety of guided experiences for its visitors. Some are quite casual and others more exploratory and lengthy. All are led by qualified guides. Tickets for walks and tours are available at the Visitor Center Information Building on a daily first-come, first-served basis. Occasionally we must cancel due to inclement weather.

The following is an overview of these activities. See the Events Calendar for specific dates. If you have suggestions regarding our public walks and tours, please write to Karla Patterson, Visitor Program Coordinator, The Morton Arboretum, Lisle, IL 60532.

Open-Air Bus Tours—This 50-minute ride on our 1937 custom-built Ford bus follows the main route through the entire Arboretum. Open to the sky, the ride can be breezy, but also full of information about the history, landscapes, and current work of the Arboretum. \$1.50 per person.

Nature Rambles—Rambles are short (1 1/2 hrs.), casual walks intended for individuals and families. These walks take us to various parts of the grounds to explore seasonal landscapes and wildlife from a naturalist's viewpoint. \$1 per person, \$3 for a family of 3 or more.

Guided Tour "Introducing the Arboretum"—This is a 1 1/2-hour walking tour through some of the major facilities and landscapes of the Arboretum. As an overview it includes a bit of history, views of some garden areas and the Research Center; a good program for those who are new to the Arboretum. Free tickets at the Visitor Center Information Desk.

Guided Walk "Exploring a Woodland Legacy" This 2-hour program is an opportunity to hike through our native woods, comparing rich woods with less frequently seen border areas where the impact of current and proposed suburban development is in direct contrast to the Arboretum's conservation goals. Outdoor clothing and footgear are recommended. \$1 per person, \$3 for a family of 3 or more.

Looking at Plants—This one-hour guided program takes visitors to various gardens and special plant collections for a closer look at some of the Arboretum's very best ornamental plants. \$1 per person, \$3 for a family of 3 or more.

MEMBERS' COOPERATIVE RESEARCH PROGRAM

On Arbor Day, Friday, April 25 and Saturday, April 26, from 10 a.m. to 4 p.m., the Arboretum will again distribute plants to members who choose to participate in the Members' Cooperative Research Program. Plants will be picked up in Room 111 of the Research Center. Members will receive instructions in the mail this spring on how to become participants.

Many of the plants selected for distribution through this program are not readily available from local commercial sources. This year's selections include American bittersweet (*Celastrus scandens*) pagoda dogwood (*Cornus alternifolia*) silky dogwood (*Cornus amomum*) common persimmon (*Diospyros virginiana*) tulip tree (*Liriodendron tulipifera*) Manchurian crabapple (*Malus baccata* var. *mandshurica*) black tupelo (*Nyssa sylvatica*) red spire flowering pear (*Pyrus calleryana*) Korean poplar (*Populus koreana*) bur oak (*Quercus macrocarpa*), swamp white oak (*Quercus bicolor*) bald cypress (*Taxodium distichum*).

This is the fifth year in which we have offered trees for testing. This spring, we will be asking for progress reports on the plants chosen in 1981. Each year hereafter we will ask for reports on the five-year-old plants distributed through this program.

Watch your mail this spring for registration instructions. We hope to see many new faces at our 1986 distribution.

EVENTS & NEWS

ARBOR DAY: A CELEBRATION OF TREES
Saturday, April 26, 1-4 p.m.
Arbor Day, 1986 falls officially on Friday, April 25 in Illinois. However, the Arboretum will be celebrating Arbor Day this year on Saturday, April 26 in order to give more people an opportunity to attend the special **Celebration of Trees** we are planning.

Arboretum members and the general public are invited to a festive afternoon in celebration of trees. We will offer free scheduled demonstrations of tree planting, pruning, and nurture; branch arranging; and guided walks to see mature specimens of the plants being distributed through our Members' Cooperative Research Program.

Bring the kids; we are also planning some special young people's activities. The Arboretum's Plant Clinic will also be open during the Celebration for questions on plant problems. The Celebration is scheduled from 1 to 4 p.m., rain or shine. The Arboretum's staff is planning to make this a festive and informative event for all who attend. Look to your local newspapers for more details as Arbor Day approaches.

MEMBERS' EVENINGS ARE MAY 30 AND JUNE 13 & 27
Members and their guests are invited to the Arboretum on Friday evenings, May 30 and June 13 and 27 from 5:50 to 8:30 p.m. You are welcome to bring a picnic supper to tables set up outside the Visitor Center or to the lawn near the Administration Building. Bicycling, an activity available to members only on these special evenings, will be allowed on the Arboretum's east side roads. Come out and enjoy an evening in the quiet spring splendor of the Arboretum.

MAPLE SYRUP MAKING AT THE ARBORETUM
Sundays, March 9 & 16, 10 a.m. through 4 p.m.
Each year the Arboretum conducts a demonstration of how maple syrup is produced, from the tapping of trees and gathering of sap, through boiling down to the syrup stage. Our emphasis will be on demonstrating how you might do this yourself. You will taste the finished product—the sweetest gift of trees to man. To help you enjoy and appreciate this process we will give you an introductory session which includes a film. Then, using a map, you will go outdoors to observe and learn about the process in several different locations. The interpreters will be Arboretum Guides supported by Volunteers. Limit, 50 per hour.
TICKETS AND DIRECTIONS will be available (\$1 per person) AT THE THORNHILL BUILDING on a first-come, first-served basis from 9:30 a.m. through 3:30 p.m. on the days of the activity. Individuals, families and small groups are welcome.

INTERNATIONAL MUSEUM DAY
Why not visit the Chicago region's only international museum of living woody plants on International Museum Day, Sunday, May 18? You guessed it—it's the Morton Arboretum! Spring is such an outstandingly beautiful season at the Arboretum that no one should miss it, especially you and your friends. However, Sunday spring afternoons are among our busiest times, and if you choose to come during the week, the grounds will not be as crowded. At any rate, we hope you will visit us often during spring with your friends, enjoy the grounds, and learn more about our activities and classes.

HOW TO REMEMBER THE MORTON ARBORETUM IN YOUR WILL
One of the greatest assets of the Arboretum is the enduring loyalty of its members and visitors. This consistent support is manifested through repeated visits, memberships, and annual gifts.

Your decision to include the Arboretum in your estate will help preserve the programs and experiences available here for future generations. Including the Arboretum in a bequest is most certainly an individual decision but one that is encouraged by current and proposed tax law.

Here are some points that are helpful to remember:

- Your intentions, if they are to be carried out, must be in a valid written will. Verbal communications and letters are not sufficient.
- Without a will your estate is distributed by the laws of Descent and Distribution of the state in which you live – distributed regardless of your wishes.

In remembering the Arboretum in your will, with any type of bequest, you should use our legal name: The Morton Arboretum, an Illinois private operating foundation, Lisle, Illinois 60532.

Your gift can be one of a variety of types or a combination of them. Here are some examples of how you incorporate our name in the wording of your gift:

A General Bequest
This is a simple outright gift of a certain dollar amount. The wording would be: *I give, devise, and bequeath \$ _____ to The Morton Arboretum, an Illinois private operating foundation, Lisle, Illinois 60532, for its Endowment Fund.*

A Specific Bequest
A specific bequest is a gift of a particular article, artifact, or collection. If this is your intention, give as exact a description of the article or collection as possible, so that your executor will have no question as to what you mean. You would say: *I give my _____ to The Morton Arboretum, an Illinois private operating foundation, Lisle, Illinois 60532.*

A Bequest of Real Property
If it is your desire for the Arboretum to receive real estate that you own, you would give the street address or rural route along with the legal description of the property. The legal description of your property, whether it is a farm, home, condominium or vacant lot, can always be found in the deed or title insurance policy to the property. The wording you might want to use would be: *I devise (tell what it is) located at (street address or rural route) and legally described as (then follows the legal description) to the The Morton Arboretum, an Illinois private operating foundation, Lisle, Illinois 60532, for its Endowment Fund.*

These examples would make an unrestricted gift. Income or principal from the endowed gift would go toward the general operation of the Arboretum, thus perpetuating your annual membership or giving.

However, if you have a particular interest in some area of our programs, scientific departments, or Library, you can restrict your gift to that area. To do this, state the purpose of your gift in place of mentioning (as our examples) the Endowment Fund.

Through a bequest, of whatever type you choose, you can help continue our long tradition of outstanding programs in Collections, Research, Education, and publications.

RECENT MATCHING GIFTS
An increasing number of corporations and corporate foundations are offering matching gift programs. Though guidelines vary, employees, retirees, and directors may have their support of a nonprofit organization matched or doubled by their company. For example, if you make a gift to the Arboretum directly or by purchasing an individual, family or contributing membership, your company, if it sponsors a matching gift program, will make a similar or larger gift.

During the past several months, matching gifts have been received from these sources: AT&T
Bell Communications
Citibank/Citicorp
Continental Group
R.R. Donnelley
Harris Bank Foundation
Household International
Illinois Bell
IBM
J.D. & C.T. MacArthur Foundation
McDonald's Corporation
Montgomery Ward
Morton Thiokol
Northern Trust Company
People's Gas, Light, & Coke Company
Quaker Oats
United States Gypsum

This support initiated by our members and donors is deeply appreciated. The funds we receive allow us to increase and accelerate our programs. Also, the Arboretum and its services are brought to the attention of new audiences who then have the opportunity to become involved with one of our area's most productive institutions.

VOLUNTEERING AT THE ARBORETUM
Volunteering at the Arboretum provides new avenues to explore and learn about our unique museum. Come help the Arboretum broaden its horizons as you broaden yours!

- **Gardener's Aides:** As our collections grow, so does our need for friends to help care for them. Novice and veteran volunteer gardeners alike assist Arboretum personnel in basic garden maintenance. You'll provide much-needed support, while spending part of the growing season amidst our beautiful collections.
- **Development Researcher:** Our Development Office is seeking help in researching potential new funding sources for the Arboretum. The work, both at the Arboretum and a downtown library, will involve research of resources, analysis of data, record-keeping and, if interested, participation in the preparation of grant proposals. Previous development experience would be most helpful, though it is not essential; one day weekly on a weekday basis is required.
- **Graphic Arts Cataloger:** An individual with strong organizational skills is needed to update the filing and storage systems of exhibits, publications, photographs and supplies in our graphic arts department. The job requires patience, perspective and one day weekly on a weekday basis.
- **Eastern Tent Caterpillar Posse!** This year will be the fourth in our successful battle against the Eastern Tent Caterpillar in our prized crabapple collection. This four-week volunteer program in April and May controls the pest population by hand pruning (weekdays only).

For further information about these and other volunteer opportunities at the Arboretum, please call the Volunteer Office, Monday through Friday, at 968-0074.

DIAL 969-8783 FOR ARBORETUM INFORMATION AND EVENTS
The Arboretum now has an additional phone listing for up-to-date information on current visitor activities and events such as tours and guided hikes. The regularly changed information tape also specifies what is of current interest on the grounds, including what's in bloom and predictions of peak autumn color. This information is preceded by a few brief comments on hours of opening, gate fees, and directions. By dialing 969-8783 both those familiar with the Arboretum and those new to its vast resources, will quickly be able to get the information they need to plan a visit.

Phone listings as of January 1986:
The Morton Arboretum
General Information & Events 969-8783
Offices, Adult Group Tours 968-0074
Info-Classes, School & Youth Visits 969-5682
Info-Trees and Shrubs 964-6044

BOOKS NEEDED FOR USED BOOK SALE
This autumn, the Arboretum will present its biennial Used Book Sale, sponsored by the Sterling Morton Library. This sale is made possible only through the donations of books by supporters. Used and out-of-print books on gardening, horticulture, botany, ecology, natural history, agriculture, forestry, environmental studies, appropriate technical and biological illustrations, local history and Americana, and related subjects are being sought for the sale. Books may be left at the Library, located in the Administration Building, weekdays between 9 a.m. and 5 p.m., or Saturdays between 10 a.m. and 4 p.m. Books may also be left at the Visitor Center on Sundays, 12 noon to 5 p.m. Contributions of cash are also being sought to buy appropriate used and out-of-print books.

RARE BOOKS TO BE CATALOGED AND INDEXED
In order to make the rare book collection more accessible to the staff of the Arboretum, the library staff has decided to embark on an ambitious project, the cataloging and indexing of this valuable collection. Effective January 1, 1986, Peter Wang, Library Cataloger, will devote his full time and attention to cataloging this collection, under the direction of Rich Shotwell, Administrative and Reference Librarian. Ian MacPhail, Curator of Rare Books, and Marti Guarin, longtime library volunteer in this area, will be the chief consultants in this project.

INSTRUCTOR PROFILE
Anne Norton, the Arboretum's newest botanical art instructor, is a native of the Indiana Dunes. After receiving her B.F.A. from Syracuse University in illustration, she taught art in high school in upper New York state. Since returning to our area, she has studied botanical art with Nancy Hart at the Arboretum for several years. She and her husband Gary live with their son and daughter in Geneva.



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. Please arrange your travel so that you arrive promptly for classes.

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

NATURAL HISTORY

N12a FIELD NATURAL HISTORY
For beginning students of natural history, this is an opportunity to encounter spring in the woods, fields and wetlands of the Arboretum. Most of each session will be held outdoors regardless of weather. Topics of study include wildflowers, birds, aquatic invertebrates, amphibians, native shrubs, and ancient geological history. Especially recommended for new Arboretum Guides.
Leader: Pat Armstrong. 10 Tuesdays, Mar. 25–May 27 9:30 a.m. to noon. The Outpost (Class will meet on Apr. 8 in the west classroom of the Thornhill Building.) Fee: \$35 (members, \$29). Limit, 20.

N12b THE NATURE OF SPRING
An evening introduction to spring happenings in the out-of-doors. Emphasis will be on recognition and natural history of spring-arriving birds and woodland wildflowers. This class is intended for beginners in nature study.
Leader: Dick Wason. 7 Thursday evenings, 7:30 to 9:30 p.m., Mar. 27–May 15, omitting Apr. 24. Godshalk Hall, Thornhill Building. Fee: \$20 (members, \$16). Limit, 20.

BICYCLES IN THE ARBORETUM
We are often asked why bicycles are not allowed in the Arboretum. Actually, they are allowed—but only at certain times and for certain purposes. We invite you to register for the activities below which **require** the use of bicycles. The **three biking activities listed below** are under the leadership of Helen Pierce and Carol Way. Each ride begins in the Visitor Center parking lot promptly at 7:30 a.m. and lasts until 9:30 a.m., fee is \$2.50 (\$2 for members); each trip is limited to 30 riders. The pace on all rides is leisurely.

BYOB (bring your own bicycle).

FN3a WILDFLOWER BICYCLE RIDE* Saturday, April 26
Wildflowers push their way through the forest floor at this time of year, before the canopy trees leaf out. Join us as we bike to various wooded areas of the Arboretum to enjoy some of these beautiful spring displays.

FN3b BIKING AND BIRDING* Saturday, May 10
Join us this early morning during the spring migration to look for birds as they pause in the Arboretum on their northward journey. Although our activity is designed to include beginners, all birders are welcome. Bring bicycle, binoculars and favorite field guide and meet in the Visitor Center parking lot.

FN3c PRAIRIE PEDALING* Saturday, May 24
Get an impressive glimpse of what the Prairie State's early settlers saw all around them after a long, cold winter. Join us for a ride to the Arboretum's restored prairie to enjoy an impressive display of early prairie wildflowers which formerly were common throughout our area. Whether you have previously seen the spring prairie in bloom or not, you will find it to be a delightful experience, and a fitting way to begin your Memorial Day weekend.



The Arboretum is consistently ranked as one of the top birding spots in northeastern Illinois, because of its diverse habitats. The activities which follow will acquaint you with both migrating and nesting species.

FN60 BEGINNERS' BIRD WALKS*
Observation of birds on the Arboretum grounds, for those with little previous experience. No children or organized groups, please. Visitor Center courtyard, 9 to 11 a.m. Fee: \$3 (members, \$2.50). Limit, 25.
Section a: Leader, Dick Wason. Saturday, May 10
Section b: Leader, Carol Fialkowski. Saturday, May 24

FN260 INTERMEDIATE BIRD WALK*
Observation of birds on the Arboretum grounds, for those with previous birding experience. No children or organized groups, please.
Leader: Gloria Dobry. Saturday, May 31, 9 to 11 a.m. Visitor Center courtyard. Fee: \$3 (members, \$2.50). Limit, 25.

CLASSES (continued)

FN265 **ADVANCED BIRD WALKS***
Field observations of birds on the Arboretum grounds, for those with generous previous birding experience and sharp skills. No children or organized groups, please. Leader: Floyd Swink. 5 Tuesdays, 8:30 to 11 a.m., Apr. 22-May 20. Visitor Center courtyard. Fee: \$15 (members, \$12.50). Limit, 25.

N260 **BIRD STUDY AND OBSERVATION***
A continuation of the introductory fall class. Studies of the behavior, adaptations and conservation of native birds. Each morning's work will consist of an indoor session and an outdoor observation period. Priority in registration will be given to those who have completed the fall course. Leaders: Gloria Dobry & Carol Fialkowski. 6 Saturdays, 9:30 a.m. to noon, Mar. 29-April 26 & May 10. The Outpost. Fee: \$34 (members, \$28). Limit, 20.

BOTANICAL TOPICS

FB16 **SPRING MUSHROOM MEANDER***
A search for spring fungi, with emphasis on examination of specimens in the field rather than collection. Extensive but easy walking is involved. Participants can bring lunch, those wishing to spend time after lunch attempting the identification of unknown species will be welcome. Leader: Dick Wason. Saturday, May 24, 9:30 a.m. to noon. Botany Lab, Research Center. Fee: \$4 (members, \$3). Limit, 25.

B150 **SPRING WILDFLOWERS***
A course in the identification of native spring-blooming plants, including some trees, participants will learn common names, scientific names plant families and recognition features of at least 50 wildflower species. This course is intended for persons who have completed the Arboretum's spring Field Natural History class. Leader: Pat Armstrong. 5 Thursdays, 1 to 3:30 p.m., April 24-May 22. Botany lab. Fee: \$28 (members, \$23). Limit, 20.

FB150 **WILDFLOWER WALKS***
Put your field identification skills to use, improve them, or just enjoy the natural diversity of the Arboretum's woodlands in spring. Families are welcome; young children should be supervised. All walks begin at parking lot 7 and run from 9:30 to 11 a.m. Fee: \$2.50 (members, \$2); no fee for children under 6. Limit, 25. Section a: Saturday, Apr. 19. Leader, Ross Clark. Section b: Saturday, Apr. 26. Leader, Ann Hruska. Section c: Saturday, May 10. Leader, Ann Hruska.

B202 **TREES: THEIR IDENTIFICATION AND ECOLOGY**
Learning to identify native trees is an important lifetime skill and just plain fun! But we will do more. Using five area locations including the Arboretum's east woods, we will learn to understand trees within a broader context. In flood-plains, upland woods and prairie edge ecosystems we will note the effects of glacially-deposited soils, climate, fire or its absence and agricultural man on forests and trees. Leader: Craig Johnson. 5 Sundays, 1 to 4 p.m., Apr. 27-June 1, omitting May 25. Botany Lab, Research Center. Fee: \$33 (members, \$27). Limit, 20.

B220 **BRYOPHYTES FOR BEGINNERS**
An opportunity for those with no previous experience to become acquainted with the diversity and beauty of bryophytes. We will observe mosses, liverworts and hornworts in the field, as we study their characteristics and ecology. In the lab, we will study them to learn basic techniques of identification. Students should acquire a 10x hand lens and a copy of *How to Know the Mosses and Liverworts*, by Conard & Redfearn. Leader: Pat Armstrong. 5 Wednesdays, 7 to 9:30 p.m., Apr. 16-May 14, plus 2 all-day field trips on Apr. 26 and May 17. Botany Lab, Research Center. Fee: \$43 (members, \$38). Limit, 20.

HORTICULTURE & LANDSCAPING

H120 **VEGETATIVE PROPAGATION WORKSHOP**
Taught in a learn, do, and take-home fashion, this session is a must for plant fans interested in propagating plants by cuttings, layering and divisions. Participants will become acquainted with practical principles and methods for the home gardener, and propagate several types of indoor house plants to take home. Plant materials and supplies will be provided. Bring your questions, a sack lunch, and pocket knife. Leader Lori Breslauer. Saturday, May 17 9:30 a.m. to noon. Horticulture Lab, Research Center. Fee: \$5.50 (members, \$4.50). Limit, 20.

H176 **BONSAI FOR BEGINNERS**
An opportunity to learn-by-doing the ancient Oriental art of bonsai. Apprentice yourself to a modern, successful practitioner of the art, and you may be amazed at the results! We will cover selection of subjects, potting, watering, fertilizing, pruning, wiring, wintering, and other topics. After an introduction, you will work on your own plants with guidance from the instructor. Leader: Ivan Watters. 7 Wednesdays, 7-10 p.m. Apr. 9-May 28. Horticulture Lab, Research Center (in Botany Lab on May 3 & 17). Fee: \$54 (members, \$44). Limit, 12.

H220 **PRUNING WORKSHOP**
This workshop gives you an opportunity to become acquainted with the proper techniques and tools to use in pruning a variety of woody plants. After a brief introduction, we will practice technique on Arboretum plants. Leaders: Kris Bachtell and Lori Breslauer. Thursday, May 1, 9:30 a.m. to 12:30 p.m. Horticulture Lab, Research Center. Fee: \$7 (members, \$5.50). Limit, 18.

H223 **SHRUBS FOR ALL SEASONS**
As planting season begins, you may be considering adding something special to your yard to fill that vacant spot. We will consider shrubs for the person who needs every plant to do double duty in limited space-by adding attractiveness and maintaining compact size. Our emphasis will be on shrubs with more than one season of beauty, featuring those which are available from nurseries in our region. Leader: Ann Hruska. Fee: \$5.50 (members, \$4.50). Limit, 20. Section a: Tuesday April 29, 7:30 to 9 p.m. Cudahy Auditorium, Administration Building. Section b: Saturday, May 3, 1 to 4 p.m. Horticulture Lab, Research Center (includes an outdoor tour to observe plants on the Arboretum grounds).

H229 **TREES FOR HOMEOWNERS: SELECTION AND CARE**
Whether you have well-established trees or want to enhance your property by planting new trees, you'll find this series with the Arboretum staff to be of great value. These sessions will provide practical, time-proven tips on keeping the trees you have or those you plant alive, healthy, and more beautiful year after year in your home landscape-saving you time, anxiety and money. Results of recent research on Arboretum trees will be included. Each lecture meets on Wednesday from 7:30 to 9:30 p.m. in Cudahy Auditorium, Administration Building, unless otherwise noted. You may register for the entire series or for single sessions. Fee (series): \$24 (members, \$20); single sessions: \$5 (members, \$4). Limit, 100 per session. When registering for single sessions, use numbers below; use the main course number (above) if registering for the series.

H229a **Trees as Elements of Landscape** Apr. 23 Design. Leader, Tony Tyznik. Concepts of space, form and texture in trees, as they relate to esthetically gratifying and functional landscape design. H229b **What Tree Should I Plant?** Leader, Apr. 30 George Ware. Suggestions on selecting well-adapted kinds of trees for our region, with special reference to climate and soil conditions. H229c **Cooperating with Nature: The Best Way to Grow Trees.** Leader, George Ware. Suggestions for tree planting and care which will help you to minimize future problems; how to keep native woodland trees healthy.

H229d **How Trees Work, and How to Work with Them.** Leader, Charles Lewis. The makeup of trees; how they absorb and transport water and minerals, make food, grow, and function as living things; the relationship of how trees function to proper horticultural care. H229e **Tree Ailments: How to Recognize and Handle Them.** Leader, Tom Green. Learn to recognize when a problem really exists and when it doesn't, and what to do about problems when they do occur. Ailments relating to siting, nutrition, climate, pests, and diseases will be considered.

H229f **Pruning Trees and Shrubs.** Leader, Tony Tyznik. Through demonstrations with the Arboretum's own plants, learn how to enhance form, texture and vigor by proper removal of trunks and branches. This session, unlike the others, begins at 7 p.m.

BOTANICAL ART & NATURE PHOTOGRAPHY

A35 **CLOSE-UP PHOTOGRAPHY**
A course for those who want to learn proven, simple ways of taking close-ups of natural subjects with a single lens reflex camera. Keeping our discussion on a non-technical level, we will cover close-up and macro lens techniques, the use of electronic flash with both close-up and macro lenses. Extreme close-ups and unusual lighting (two flash technique, background control with combinations of flash and available light) will be included. Students are invited to bring one slide to each session for helpful criticism. Leaders: John & Kitty Kohout. 6 Thursdays, 7-15 to 10 p.m. Mar. 27-May 1. Room 010-011, lower level of Research Center. Fee: \$37 (members, \$31). Limit, 60.

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 the 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; Ed Hedborn, botanist. 6 Tuesdays, 7 to 9:30 p.m. Mar. 25-Apr. 29. Botany Lab, Research Center. Fee: \$37 (members, \$31). Limit, 15.

A210 **INTERMEDIATE BOTANICAL ART**
Prerequisite: Beginning Botanical Art (A110) at the Arboretum or permission of instructor. Join us and build your capacity for critical observation and skills as a botanical artist. We will concentrate on refining techniques in pencil, pen and ink, and other media. A materials list will be sent to you before the first class meeting. 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: Anne Norton, artist; Ed Hedborn, botanist. 6 Tuesdays, 7 to 9:30 p.m. Mar. 18-Apr. 29 omitting Mar. 25. Horticulture Lab, Research Center. Fee: \$37 (members, \$31). Limit, 15.

A315 **ASPECTS OF DESIGN IN BOTANICAL ART**
Prerequisite: one or more botanical art classes at the Arboretum, or permission of instructor. Proper attention to design, composition and layout can greatly enhance or diminish the products of our technique. All notable artists have developed elements of design to the point that their work is marked not only by aspects of technique but by overall design as well. In our continual journey to develop artistic technique, we sometimes neglect or lose sight of this aspect of being an artist. In this course, we will try to begin to rectify our neglect of design. We will complete specific weekly design projects, using plants and plant specimens indoors and, weather permitting, outdoors as well. Critiques and reviews will involve our own work, outdoor landscapes and plantings, and prints and paintings from the Arboretum's outstanding collection. Bring the supplies and media with which you prefer to work (except for oils, sculpture or acrylics), a sketchbook and lunch. A sit-upon and hat will be useful for outdoor work when weather permits. Leader: Nancy Hart. 7 Wednesdays, Apr. 2-May 14, 9:30 a.m. to 2:30 p.m. Botany Lab, Research Center. Fee: \$79 (members, \$65). Limit, 15.

EVENING LECTURES

All evening lectures meet in Cudahy Auditorium, Administration Building. Fee: \$3 (members \$2.50). Limit: 100.

L1 **EVERYTHING YOU EVER WANTED TO KNOW ABOUT TUBEROUS BEGONIAS** Tuesday, March 25, 7:30 to 9:30 p.m. In a semi-shaded spot, tuberous begonias provide a spectacle of large blooms all summer long. There are a few tricks one needs to know in order to achieve success with these outstanding plants. We will cover in detail how to grow plants from tubers, seeds or cuttings; soil mixes; fertilizing; siting; everything you need to know. Leader: Charles Lewsi

L2 **PLANTS FOR TROUBLESOME SPOTS** Tuesday, April 22, 7:30 to 9:30 p.m. Removal of topsoil often leaves yards with a clay hardpan with which our plants have to struggle. In addition, almost every yard has its problem places which are so wet, dry, shady, steep or rocky that they defy our efforts to establish attractive plants. And those of us on busy streets also must contend with salt spray-sometimes it is a wonder that anything grows successfully! If any of these problems have stymied you, or if you could use advice on siting woody plants and herbaceous perennials, this session will be helpful. Leader: Ann Hruska

L3 **SPRING WOODLAND WILDFLOWERS** Thursday, April 24, 7:30 to 9:30 p.m. What better way to emerge from the throes of winter than to enjoy a discussion (illustrated by color slides) of these bright, ephemeral delights of spring! We will highlight their identification, habitats, role in folklore and tips on home wildflower gardening. See wildflower class and walks in the section on "Botanical Topics" Leader: Ann Hruska.

ACTIVITIES FOR YOUNG PEOPLE

FYN2 **NATURE STUDY FOR PARENTS AND TOTS**
For children 4-5 years of age accompanied by a parent or other adult. Nature awareness activities will focus on a search for signs of spring and the nesting activities of birds. Your child will also examine birds' nests and assemble nesting materials to take home for nesting birds in your yard. Both sections meet in the West Classroom, lower level of the Thornhill Building. Leaders: Arlene Koerner & Gloria Mintern. Fee per child. \$5 (members, \$4.50). Limit: 18 children per section. Section a: Saturday, April 19 10 to 11:30 a.m. Section b: Saturday, April 26, 10 to 11:30 a.m.

YN211 **SPRING IN THE WOODLANDS**
An invitation for your child to enter the world of unfurling leaves and blooming wildflowers. Emphasis will be on learning the names of common plants, examining their forms and learning how they grow. Each child will start a project on plant growth to be taken home for further enjoyment. Both sections meet in the West Classroom, lower level of the Thornhill Building, from 9:30 a.m. to noon. Leaders: Alice Burkman, Mary Rice & Sue Schuler. Fee: \$6 (members, \$5). Limit, 20 per section. Section a: Grades 1 & 2; Saturday, May 3 Section b: Grades 3 & 4; Saturday, May 10

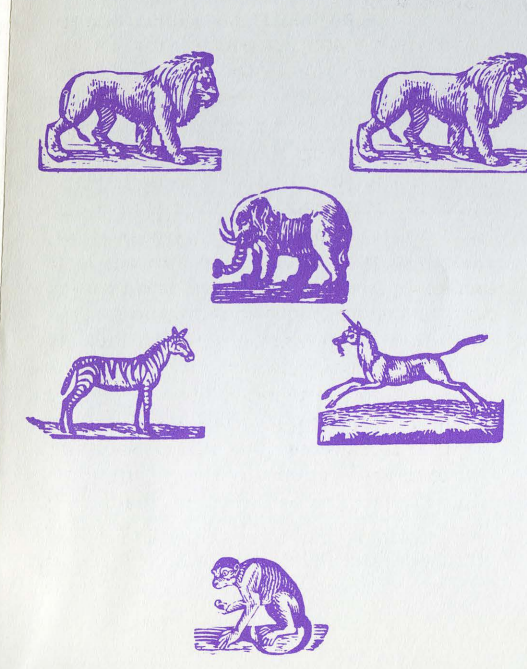
YN216 **SPRING IN THE WETLANDS**
An invitation for your child to listen for spring songs of frogs and toads, and to search for tadpoles and other aquatic creatures that live in ponds. Children will learn and play a food web game that they can later share with their friends. Extensive wading is not foreseen, but boots or a change of shoes and socks may be desirable, as we will be observing from the edges of ponds. Both sections meet in Godshalk Hall, Thornhill Building, from 9:30 to noon. Leaders: Liz Bacon, Sally Grunsfeld & Marj Walls. Fee: \$6 (members, \$5). Limit, 20 per section. Section a: Grades 3 & 4; Saturday, May 3 Section b: Grades 1 & 2; Saturday, May 10

YN15 **WETLANDS WADE**
For inquisitive, active 5th-graders through Junior Highs. Join us as we explore the Arboretum's wetlands and their inhabitants. Be ready to observe, capture and release a variety of wetland creatures. Also, be prepared with your lunch, old sneakers for wading, and a change of shoes and socks. Leaders: Mary Hason & Helen Pierce. Saturday May 17 9:30 a.m. to 2 p.m. West Classroom, lower level of Thornhill Building. Fee: \$10 (members, \$8.50). Limit, 20.

FOR COLLEGE CREDIT

COOPERATIVE BOTANY PROGRAM
COURSE: WOODY PLANTS OF THE WESTERN GREAT LAKES REGION
Studies of the development and composition of the woody flora of the western Great Lakes region. Emphasis will include recent vegetational history, ecology and field recognition of native woody plants. Two semester hours of upper level undergraduate credit. Prerequisite: a course in general botany. For registration information, contact the Biology Department Chair at any participating college or university. Participating schools are: Aurora University, College of St. Francis, Concordia College, Judson College, Lewis University, Mundelein College, North Central College, North Park College, Olivet Nazarene College, Rosary College, St. Xavier College, Trinity Christian College, Wheaton College. For further information on this course and other courses in the Cooperative Botany Program, contact Ross Clark at the Arboretum. Instructors: Arboretum staff. Mondays, 7 to 9 p.m., Mar. 24-May 12, omitting May 5, plus two weekend field trips. Botany Lab, Research Center.

SCIENCE EDUCATION WORKSHOP: FIELD STUDY, PHYSICAL SCIENCES
Designed to examine selected areas within the physical sciences that are best developed through field study work. Special emphasis will be placed on the earth sciences. Class discussions and presentations will increase background knowledge and develop concepts. Field study work will explore methods, materials and techniques that complement and enrich classroom activities. Two semester hours of graduate credit, through National College of Education. Offered through the TIDE (Teacher In-service for DuPage Educators) Program. Open to certified teachers; DuPage County residents and teachers receive registration priority. For information on tuition and fees, call TIDE at 682-7166. Instructor: Carol Fialkowski. 7 Mondays, 4:25 to 7 p.m., Mar. 17-May 12, omitting Mar. 31 & May 5; Saturday field trips on April 12 & May 3. The Outpost. (Meet in Thornhill Building on Apr. 7)



REGISTRATION INFORMATION

To register, please fill out the form below detach and mail registration form with a check made payable to the Morton Arboretum in an amount appropriate to class fees. If you wish to register with another person and will accept a place in class only if the other individual is accepted, please asterisk your names. Register by the due date listed below: a lottery for oversubscribed classes will be held on that date. If you want to register after the due date, please call the Registrar (969-5682) first to see about openings and cancellations. Registration for under-subscribed classes will continue until ten days prior to the first class session at which time registration will close and classes with insufficient enrollment will be cancelled. If you want confirmation of class status please enclose a self-addressed stamped envelope with your registration. Class fees are not transferable. Refunds requested by registrants will be granted only if we receive notice 10 days prior to the start of the class. A \$5 handling fee will be retained and no refunds under \$5 will be given. The Arboretum wishes to afford all members an equal opportunity to be accepted in classes, and we will need your cooperation. If after acceptance you find

Botany courses for college credit are a regular part of the Arboretum's Cooperative Botany Program with 13 universities and colleges of the Chicago area. See the "For College Credit" section of this bulletin for current offerings.

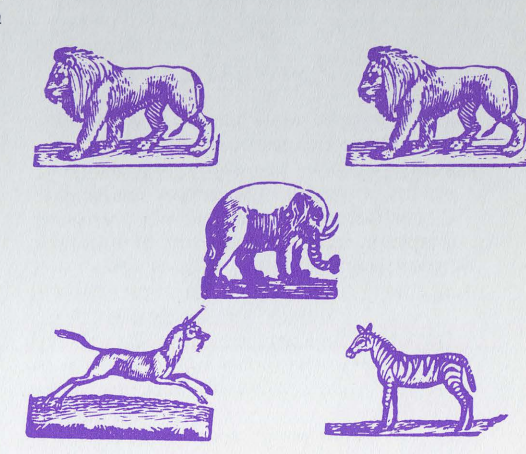
TEACHERS' WORKSHOPS

N310 **TEACHERS' WORKSHOP (FREE)** Saturday, April 12, 9:30 a.m. to noon. Teachers and other youth leaders may qualify to lead their spring field trips in selected areas of the Arboretum by attending one of these workshops. For self-guiding, one workshop-certified teacher is required for each group of fifteen students. Register by using the regular registration form, and include the name of school or organization. For further information on workshops or group visits, contact the Registrar. Section a: MEADOW AND POND. West side Arboretum locations, featuring plants and animals of wooded, open and grassy areas. Section b: TREES AND MAN East side locations, featuring tree identification and meadow and wetland areas. Section c: THE FOREST. Explorations of the Arboretum's native woodlands, recommended for older elementary-aged students and above. Workshops begin at Visitor Center Courtyard. Alice Burkman, Mary Ochsenchlager, Helen Pierce, Marj Walls.

N517 **SPECIAL TEACHERS' WORKSHOP: SPRING NATURE STUDY** Saturday, April 26, 1 to 4 p.m. This workshop is designed to help teachers plan and implement a unit centered on spring studies on the school grounds or elsewhere in the local community. We will focus on indoor and outdoor activities involving flowers and birds. Leader: Carol Fialkowski. The Outpost. Fee: \$8, includes all materials (may be tax deductible for teachers). Limit, 15.

A LOOK AHEAD

FIELD SEMINAR TO KENYA, late May 1987
Trips to East Africa abound, but the Arboretum is planning a unique experience for you about a year from now. We have identified a tour operator and special resource people who understand the Arboretum's philosophy and environmental concerns, to help us plan this trip. This is not just another safari to "come look at the animals." Rather, special attention will be paid to study of the vegetation and flora (and the fauna), the human cultures which are in danger of disappearing, their ecological relationships to the land, and to conservation efforts. Our tentative itinerary at this time includes game rides at Tsavo, a visit to famed Mzima Springs, time at Elsamere established by Joy Adamson at Lake Naivasha in the Rift Valley), the Moru River, observations in the Mombasa region, a hike into the high moorlands of Mt. Kenya, and more. Watch this bulletin for further details. Principal trip leaders will be Dr. Ross Clark of the Arboretum and Dr. Bob Faden of the Smithsonian Institution. If you are possibly interested in joining us for this unusual trip to Kenya, please call the Registrar (312/969-5682) and give her your name, address and telephone number, so that we may keep you informed as details develop.



EVENTS, NEWS, AND CLASSES
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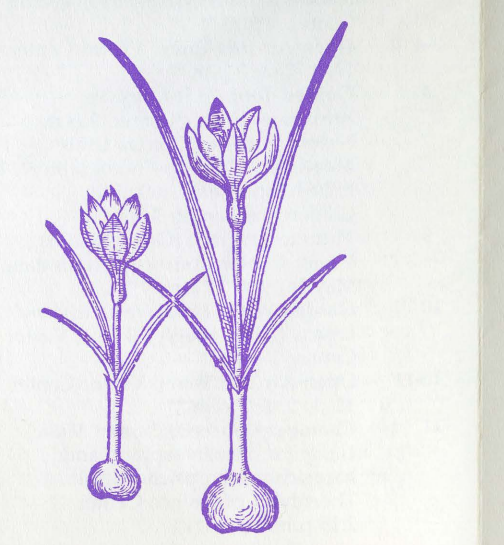
MARY HASON, Teaching Naturalist, Downers Grove
ANN HRUSKA, Horticulturist, Lisle
ARLENE KOERNER, Teaching Naturalist, Shorewood
KITTY KOHOUT, Free-lance Photographer LaGrange
GLORIA MINTERN, Teaching Naturalist, Wheaton
ANNE NORTON, Free-lance Artist, Geneva
MARY OCHSENSCHLAGER, Teaching Naturalist, Sugar Grove
HELEN PIERCE, Teaching Naturalist, Glen Ellyn
MARY RICE, Teaching Naturalist, Oak Brook
SUE SCHULER, Teaching Naturalist, Hinsdale
ROBERTA ("PEACH") SIMONDS, Botanical Illustrator Wheaton
MARJORIE WALLS, Teaching Naturalist, Geneva
IVAN WATTERS, Bonsai Artist, Chicago
CAROL WAY Teaching Naturalist, Oak Park

MEMBERSHIP

Arboretum members receive discounts for classes, lectures, and most field trips, as well as preference in registration. If you are not a member, we invite you to join us. Members also receive free admission and parking; subscriptions to the Quarterly and to Events News & Classes, invitations to special events and exhibit openings; and the opportunity to grow plants as participants in a cooperative research program. Just fill in the application below. An Arboretum membership also makes a fine gift for someone special.

MEMBERSHIP APPLICATION

Name _____ Date _____
Address _____ Daytime telephone _____
Town _____ Zip _____ Evening telephone _____
☐ New ☐ Renewal
Type of membership preferred:
☐ Individual \$25 ☐ Family \$35
☐ Contributing \$100 or more
Master Charge No. _____
Visa (BankAmericard) No. _____
Credit card expiration date: _____
Signature: _____
Is this a gift membership? ☐ yes ☐ no
If yes, from whom _____
Address _____
Town _____ Zip _____ Telephone _____
Please make checks payable to THE MORTON ARBORETUM and mail to: Membership Office, The Morton Arboretum, Lisle, Illinois 60532.



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

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EVENTS,
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