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The 1977 Philadelphia Flower & Garden Show



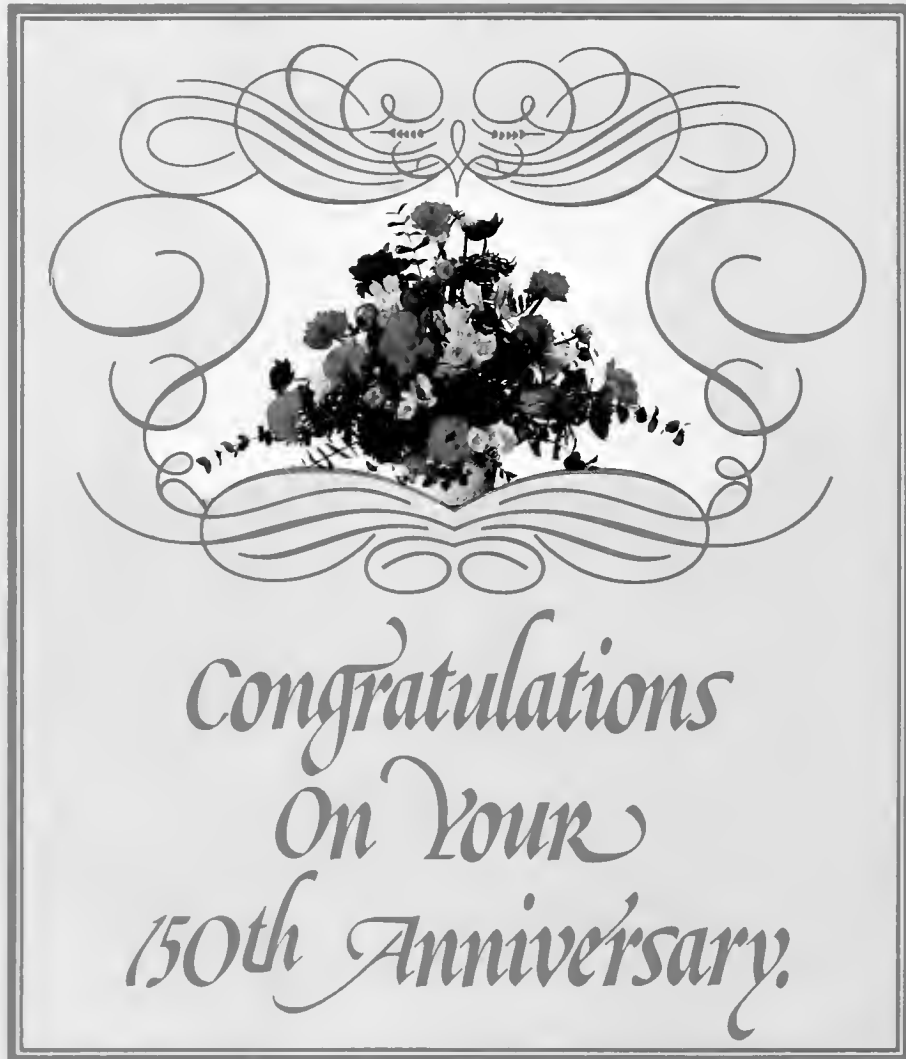
THE PENNSYLVANIA HORTICULTURAL SOCIETY

150th Anniversary

PRESENTED BY THE PENNSYLVANIA HORTICULTURAL SOCIETY

March 13 - 20, 1977 Philadelphia Civic Center \$1.00

SBZ
P. 5



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Sponsored and managed by

**THE PENNSYLVANIA
HORTICULTURAL SOCIETY**

Published by
The Pennsylvania Horticultural Society

Independence National Historical Park
325 Walnut Street
Philadelphia, Pa. 19106
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150th Anniversary

WELCOME TO THE FLOWER SHOW

The poet, William Blake, has said "To create a little flower is the labor of ages."

Horticulturists have much in common with poets. They both seem to share a passion for nature's gifts and cycles. Horticulturists exercise that passion in their gardens, on their windowsills and in parks, the wilds, and wherever plants grow.

If to create a flower is a labor of ages, to create a flower show is a labor of love. Thousands of people who love plants, and who want to share that love with each other and with people who may know deeply or who may only recently have discovered the pleasure of plants, have labored for countless hours to bring you this Show.

The sponsor of this Show, The Pennsylvania Horticultural Society, is celebrating its 150th Anniversary. The Society and I, in this very special year, are proud to aid a community of horticulturists who just before the arrival of spring proclaim exuberantly their expectation and anticipation with this Show.

WELCOME and we hope this tradition will continue to be a labor of love.

William D. MacDowell
Chairman
1977 Philadelphia Flower and Garden Show



1977 Philadelphia flower and

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A member was expelled from membership in the Society for exhibiting as his own, vegetables, at the Annual Exhibition, which he had not grown.

December, 1849

**QUEER AND
= CROOKED**
AND
WONDERFULLY BEAUTIFUL—gorgeous,
new and rare ORCHIDS.



GRAND ORCHID EXHIBITION
and SPRING FLOWER SHOW.

MABSLER'S ORCHESTRA EVERY EVENING.

Horticultural Hall

(THROAD, ABOVE SPRUCE).

March 17, 18, 19 and 20.

Past Shows

Flower Shows have grown from tiny spaces to major cultural productions.

Philadelphia was in on flower shows from the start. The shows evolved from modest but earnest events, through elegant fantasies for the affluent to a major cultural event attended by an ever-increasing number of people each year.

The first flower show in America of any size or consequence was presented by the Pennsylvania Horticultural Society in Masonic Hall on June 6, 1829. The show was then held annually in May or June until 1832, when it was changed to September to display fruit.

That first fruit show was held for one day in a room rented at Masonic Hall for \$15. Today's show covers more than three acres; the 1976 show cost \$460,000 to mount.

Buried in the thousands of plants you are seeing, who can be sure what new and history-making introduction modestly blooms. At the 1832 PHS show, Mr. Poinsett introduced the "new Euphorbia, with bright scarlet bractees, or floral leaves," which is now our Christmas favorite.

"There is always something new at these shows," said a pundit in 1892, as he discussed the appearance of cactus in the show the previous year: "those

queer and crooked denizens of the deserts of Arizona and Mexico and other parts of the world," which almost "took the town by storm."

Revolution and evolution blended as technology slowly changed the illumination of the exhibit halls of the 1855 tents lit "with nearly 400 burners from splendid chandeliers," to modern lighting. Changed, too, is the debilitating environment where numerous visitors "often crowded the hall to excess, notwithstanding the extreme heat (1892)" to today's ultra-cool, plant-centered environment.

Air-conditioning, a present day convenience, is taken for granted at the show, but the heat played havoc with aesthetics as one 1884 account noted: "The display of fruits filled all the tables and was of excellent quality. The hot weather of the first three days caused it to rot badly, but upon the whole it was a large and creditable display."

Several notions emerge after skimming the history of past shows: one is that the people who were horticulturists were generally affluent, were dedicated to horticulture and went to great lengths to follow that pursuit. You might say they were dogged in their

continued



SCENE AT THE CHRYSANTHEMUM SHOW IN HORTICULTURAL HALL

HORTICULTURAL HALL (BROAD ABOVE SPROCE)

GRAND ORCHID SHOW AND EXHIBITION OF SPRING FLOWERS

OPENS TUESDAY EVENING MARCH 29th at 8 P.M. —
CLOSES FRIDAY EVENING APRIL 1st at 10 P.M. —

continued

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mission. One Pennsylvania Horticultural Society Flower Show Committee wrote, a little over 134 years ago, commending the exhibitors on their flowers and fruits but sternly admonished that "a Society which does not carry its views, and carry them with ardour, beyond displays of this kind, must expect sooner or later to decline and become extinct. . . . Mere displays of beautiful flowers, fine fruits and superb vegetables may at length become so uniform and so common, that the merit of producing them, like everything that is common, will be undervalued."

It's not hard to recognize some snobbery in the last part of these comments, yet in one important respect the author of those remarks was right. Flower shows must go beyond the purely decorative. And they have survived because they now serve another function. The principle purpose of the show you visit here is to combine aesthetic pleasure, recreation and education. One of the major advances in recent years has been the extensive and complete labeling of plants to familiarize the general public with all kinds of plants, common and exotic. Something else has also changed. Technology has enabled us to force plants more extensively than growers could in the past, and thus we have the added

bonus of previewing a verdant spring in early March, of seeing the glorious flowering trees, shrubs, bulbs and other plants in differing environments before nature is ready to reveal herself in the outside world.

People, however, began to campaign as far back as 1845 to have plants labeled, particularly plants not native to the area: "This portion of the exhibition might have been rendered far more entertaining and useful had every specimen been labelled, but only a few of the more prominent were so." The writer continued, grumping slightly, "Labels are prepared, but such members of the Committee as are competent to attach them are so necessarily engaged in the arrangement of the exhibition as to be unable to give it due attention."

The major reason for labeling is that people not familiar with a plant will get to know it, and if interested can note its name and check out more information at their nursery, through plant societies or through horticultural libraries.

We took delight in poring over the records of the past shows—their deficits and extravagances: "The only vegetables displayed were six eggplants by Henry A. Dreer. E. Satterthwait exhibited a large collection of pears,

apples, and peaches." And they add casually that the new seedling grape, the "Empire State, the stock of which had been sold for \$4,000, was exhibited by James H. Ricketts of Newburgh, N.Y." They rhapsodized about a table setting festooned with fruits from all over the states and then concluded, one can assume glumly, that "however, no fruit at the show was considered of quality meriting the Gold Medal."

One cannot help comparisons; often it is the differences great or subtle that ignite or reinforce the enjoyment of history. We threw up our hands when we came across the following judge's comment for the table section of a show 93 years ago: "There were four competitors for decorated dinner-table designs which showed considerable taste in their arrangement, but your committee would suggest that the effect would have been better had they not been so crowded with flowers, which left but little space for the dishes and glassware." If you wandered over to the table section of today's show you might find a similar comment or one that chides the arrangers for letting the setting dominate the arrangement. What we see is that the unifying, abiding and continuous element from show to show is pleasure in horticulture. It's here to stay.



CLIVEDEN

An oasis amid the bustling community of Germantown, CLIVEDEN, the pre-revolutionary country house of the Chew family for nearly two hundred years, stands on a six-acre glade of centuries-old trees. The house and furnishings have been given to the NATIONAL TRUST FOR HISTORIC PRESERVATION and is now open daily to the public from 10 A.M. to 4 P.M. (closed Christmas, Thanksgiving and New Year's Day).

For special group tour arrangements, call VI 8-1777 or write to 6401 Germantown Avenue, Philadelphia, Pa. 19144. Adults \$1.25; students, children, senior citizens \$0.50.



Terrariums

Nowhere is the wonder of plants more evident than in a terrarium. The mini-environment you can create has most of the elements needed to support the mightiest tree. A terrarium is simply a plant or a collection of plants in a covered translucent container. Once planted it becomes a self-contained environment, providing the moisture, light and correct temperature needed for good plant growth.

Recent interest in terrariums has reached almost explosive proportions. The materials are easy to assemble and suitable plants are becoming easier to find all the time. My own collection of terrariums includes an old fish bowl, a gallon pickle jar, an antique water bottle, and a brandy snifter.

The requirements for a container are easily met. It should be of clear or light colored glass (plastic can be used but scratches easily). It should be deep enough to hold 2 in. of planting medium and the plants. It should have a cover. Screw-on lids, pieces of glass cut to fit,

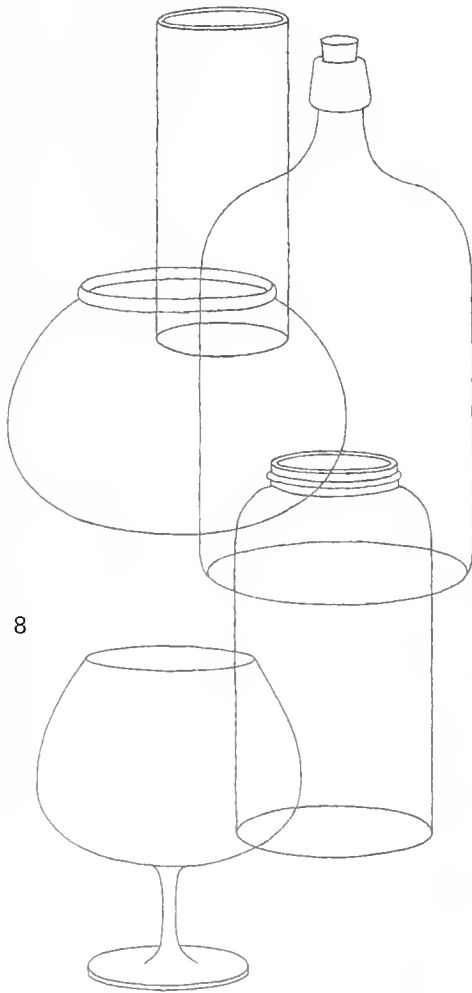
clock faces or plastic wrap all make good tops.

Once you decide on the container, it's time to think about the plants. Here are a few suggestions to keep in mind. First, consider the environment. The plants should be the kind that can tolerate humid conditions and don't need direct sunlight. Miniature and slow growing plants are best.

If you want to grow woodland plants in your terrarium, there are nurseries that specialize in wild plants for terrarium culture. Mosses, lichens, ferns, and low growing ground covers are recommended. Because they normally grow out-of-doors, woodland plants need a light and cool place to grow in your house if the terrariums are to last for more than a few months.

Plants that come from tropical and sub-tropical areas will thrive for a long time in an enclosed container. They are readily available in local greenhouses or mail order nurseries and have even recently begun to appear in 5 and 10

continued



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by Julie Morris





Terrariums continued

variety stores. However, all plants called terrarium plants may not actually be suitable. Don't buy plants with fleshy or succulent stems such as sedums or impatiens as they will quickly rot. The following are a few of the plants suitable for terrarium culture:

Tree-like:

dwarf euonymus
polyscias

Small foliage:

small leaved begonias
prayer plant
tropical ferns -

Polystichum tsus-simense

Ground covers:

selaginella
dwarf creeping fig

Flowering:

miniature African violets
miniature gloxinias (*Sinningia*)

Some others that will eventually get too big:

dracaena
episcia
saxifraga -- strawberry begonia
Australian umbrella tree seedling
finger aralia
pilea - artillery plant
ardisia
podocarpus

After you've selected the container and the plants, start assembling the materials needed for planting. These are potting soil, aquarium charcoal, decorator moss (sheet sphagnum moss), sand or perlite, and bird gravel. Paper towels and a small artist's brush may come in handy. I also use a chopstick to help in planting and arranging the plants.

making the terrarium

1. Line the bottom of the container

with moistened decorator (sphagnum) moss or moss you've collected, the green side against the glass. To moisten the moss, soak it in warm water then wring out thoroughly. Put 1½ in. thick layer of charcoal to keep the soil fresh and add a few pebbles or a handful of sand for drainage.

2. Next put in about 2 in. of potting soil mixed with some sand or perlite. This makes the medium light and porous.
3. Add some stones or pieces of bark to create a natural woodsy landscape. Push them slightly into the soil so they are partly covered.
4. Put the largest plants in first. Fill in with some smaller foliage and flowering plants and then some moss.
5. You can make a path or simulate a pond by arranging some of the bird gravel with your paint brush.
6. Deciding on the right amount of water is probably the hardest part of planting a terrarium. The soil should be evenly moist but not soggy. Because there is no drainage hole, it is important not to over-water. If you do have a flood on your hands, make a wad of paper towels and soak up all the excess water. Generally, ½ cup of water is enough to add to a quart size container. You should see a film of water on the sides and bottom of the container but not on top of the soil.

7. Once you decide that it all looks really great, wipe any stray soil from the sides of the container and put on the top. If the cover is the screw-on type, only give one turn so that some fresh air can get in. If the top is glass, put a tiny piece of clay between it and the container on either side of the top. If you are using plastic wrap, make some pin holes in it.

As long as there is moisture on the sides or top of the container you won't have to add any water. Some of my terrariums are watered only twice a year. Put your terrarium where it will be in good light or indirect sunlight. (Strong sunlight will cook it.)

Some landscape maintenance will be necessary from time to time. Every few weeks, remove the cover for a day so fresh air can circulate throughout. Dead leaves and flowers should be removed and overgrown plants trimmed.

reading:

Gardens Under Glass; The Miniature Greenhouse in Bottle, Bowl or Dish by Jack Kramer

Simon and Schuster, New York, 1969

Fun with Terrarium Gardening by Virginia and George A. Elbert
Crown Pub., Inc., New York, 1973

The Terrarium Book
by Charles M. Evans and Roberta Lee Pliner

Random House, New York, 1973



where can I buy some grass?



11

Check page 62 of the new *Philadelphia Area Green Pages*.

The Green Pages will tell you where to buy your grass, how to keep it green, and lots more. It's a Handbook of Tools, Information and Resources for the Greening of Philadelphia. The Green Pages is the Philadelphian's guide to house plants, terrariums, pruning, vegetable gardens, pests, arboretums, dried flowers, public gardens and a hundred other matters of interest to plant lovers.

The Philadelphia Area Green Pages

a bicentennial project of the Pennsylvania Horticultural Society

is available at your local bookstore for \$3.00.

Or write to the Pennsylvania Horticultural Society, 325 Walnut Street, Philadelphia, Pa. 19106. We'll mail it for \$3.50 (the extra 50¢ is for mailing costs).

plant names



The use of standardized plant names enables the same plant to be recognized the world over. Stumbling over botanical names may seem a bore, but consider how many you use without even thinking — chrysanthemum, begonia, delphinium, forsythia, geranium.

Plants of similar characteristics are grouped together in families. Within the families, there are plants having generic or surnames like *Begonia*, for example. Each of these surnames (the genus) also has with it a specific name, denoting a distinct plant (species). So, we arrive at the Binomial System, devised by Linnaeus, simply meaning that every plant is known by two names.

A third variety name may frequently be added to further describe a plant.

First or genus names may derive from Latin or other languages which describe the plant, honor ancient gods or commemorate some legend. Often, they are based on the name of the person who discovered them, or they may be used to honor someone outside the botanical field altogether. The genus *Begonia*, for example, was named for Michael Bégon, a seventeenth century governor of Canada and a patron of botany.

The second or species name is in some way descriptive of the plant, often telling you what it looks like or where

it was discovered. This information gives the gardener helpful indications of the climate or cultural requirements of the plant. For example, *Begonia semperflorens* is a plant that flowers continuously while *Begonia rotundifolia* has fat round leaves.

When both the genus and species names are used, the first letter in the genus is always a capital while the first letter in the species is small (e.g. *Begonia semperflorens*).

The following list of Latin (and occasionally Greek) adjectives and their English meanings should help to unravel some of the mysteries of horticultural nomenclature.

12

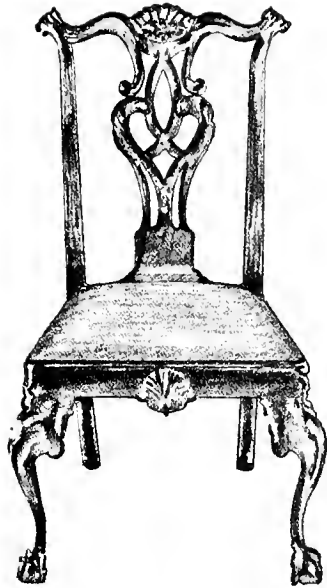
alatus — winged (branches)
albidus — whitish
albus — white
alternifolius — with alternate leaves
altissimus — very tall
angustifolius — narrow leaves
arachnoides — cobwebby
ascendens — ascending-upright leaves and branches
asper — rough
aurantiacous — orange
aureus — golden
azureus — sky blue
baccatus — berrylike, fleshy, or pulpy
bicolor — two colors
brevifolius — short leaves
caeruleus — dark blue
callianthus — beautiful flowers
calocarpus — beautiful fruit
campanulatus — bell flowered
candicans — white, clear and shiny
capitatus — rounded like a head
cardinalis — red
carneus — flesh colored
cernus — drooping, nodding
citrinus — lemon yellow
coccineus — scarlet
columnaris — upright
compactus — dense
concolor — uniform color of leaf surfaces
crenatus — scalloped
cupressus — flattened
cuspidatus — sharp tip on leaf
cyaneus — blue
dentatus — toothed
discolor — two colors as of different leaf surfaces (top and underneath)
divaricatus — spreading
fastigiatus — erect, close branches
floribundus — free flowing

floridus — full flowering
frutescens — becoming shrubby
fruticans — shrubby
fruticosus — shrubby
glaber — smooth
glaucus — bluish-green bloom on leaves or fruit
gracilis — graceful, slender
griseus — gray
guttatus — speckled
hispidus — bristly, rough, hairy
horizontalis — flat growing
humilis — low growing, dwarf
incanus — hoary white, grey
inflorescence — flower cluster
lacteus — milky white
latifolius — with broad leaves
lineatus — striped
lucidus — bright, shiny
luteus — yellow
maculatus — speckled
microphyllus — with small leaves
mallis — with soft hairy pubescence
multicolor — multicolored
nanus — dwarf
niger — black
nitidus — shining
niveus — snowy
officinalis — applied to plants of real or supposed medicinal value
palustris — of swamps
paniculatus — flowers in compound racemes
patens — spreading
pendulus — weeping
pictus — painted
plenus — full
praecox — early flowering
procumbens — flat or trailing
prostratus — prostrate, flat
pubescens — hairy, downy

pumilus — dwarf
purpureus — purple
radicans — rooting
repandens — curved, spreading
repens — creeping
rhytidophyllus — with wrinkled leaves
roseus — rosy
rubrum — red
rupestris — rock loving
sanguineus — blood red
scandens — climbing
sempervlorens — everblooming
sempervirens — evergreen
serratus — saw-toothed
sessilis — without stalk or petiole
stoloniferus — creeping roots
striatus — striped
strictus — upright
sylvaticus — of the forests
tomentosa — densely woolly
tortuosus — twisted
undulatus — wavy
variegatus — variegated
versicolor — variously colored or changing color
verticillatus — leaves or flowers encircling the stem
verruculosus — warty
villosus — soft, hairy
virens — green
viridis — green
vulgaris — common
xanthinus — yellow

Reading

A Gardener's Guide to Plant Names
 by B. Healey
 Scribners, New York, 1972



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14

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School House Road
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Charles H. Gale, Sr., Chair

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The beauty of spring is symbolized in this garden. Filled with mature flowering shrubs, trees, colorful bulbs and bubbling water, the garden also contains a sculpture area. A contemporary garden house, functional and airy, nestles in a grove of fir and willow trees. This shelter is perfect for quiet meditation or for entertaining in proximity to the garden.

HANSEN BROTHERS NURSERIES, INC.

472 South Gulph Road
King of Prussia, Pa. 19406
Gordon F. Eadie, Chair

SCENIC BEAUTY

Plants, plants and more plants are featured in this bi-level rustic setting. Found between the stone walls are assorted azalea, limber pine, Sargent crab apple, hybrid rhododendron, witch hazel, silverbell, Japanese maple and pink and white dogwood, to name but a few. The upper level features taller material at different elevations while the lower level contains a sodded area bordered by the smaller shrubbery.

HANSEN'S GROUND COVERS

1210 Greenhill Avenue
West Chester, Pa. 19380
Roland Hansen, Chair

GROUND COVER DISPLAY

"Know your ground cover" is a slogan that makes a good garden better. Three areas here display several ground covers of varying color, texture and habit of growth, with legends describing the proper use and purpose of each planting.

JUDD'S HOLLYLAN NURSERIES

516 E. Holly Avenue
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William Judd, Chair

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The ultimate mountain hideaway—including a cabin and authentic antique outhouse! This hillside residence is accented with a stream and all natural wildflowers, including azalea and mountain laurel.

16

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QUIET WATERS

A walled garden, planted with flowering crab apple trees, exbury and kerume azalea, hybrid rhododendron, American and Japanese holly, flowering bulbs and ivy ground cover. A beautiful garden; what more could be added? Water—running throughout, makes a soothing scene for the eyes and ears.

PERCY BROWN NURSERY INC.

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The problem of most swimming pools—the unsuitability of their design to a landscape—is solved here with a pool that has been designed as an integral part of the entire scene. A two-tiered cascading fountain feeds freshly-filtered water back into the pool, with a deck and walkways carrying out the natural theme through a clear epoxy paving that allows the natural color of the aggregate to show. The accompanying structure is an underground cave, man's oldest type of habitat, made modern through the use of contemporary architecture and naturalistic plantings of native plants.

POLY-EN GARDENS

103 Mt. Lucas Road
Princeton, N.J. 08540
or c/o Whitmarsh Nurseries
Plymouth Meeting, Pa.
Polly Fairman, Chair

JAPANESE WATERFALL AND POND GARDEN

Part of the pleasure of a Japanese restaurant is the scenery. This garden is filled with Oriental favorites, including black pine, Japanese maples, and Japanese iris and ferns. Interesting rocks complement a waterfall, stream and pond for restaurant guests to enjoy during lunch or tea.

ROSE VALLEY NURSERIES

684 South New Middletown Road
Media, Pa. 19063
Ben Palmer, Chair

TERRACE GARDEN

A meeting and resting spot all rolled into one. An elevated flagstone and red brick terrace is ornamented with borders of Pocono blueberries, William Penn barberries and bridal-wreath spirea. Flowering trees behind the terrace include white dogwood and Japanese cherry, in bloom, with a background of white pine, hemlock and shade trees. Carved into the stone of the terrace is a prize-winning entry from the Pennsylvania Poetry Society, to please the mind as well as the eyes.

COUNTY LINE LANDSCAPE NURSERY

805 Harleysville Pike
Harleysville, Pa. 19438
Herbert Bieberfeld, Chair

1827

Space and simplicity aren't twentieth-century inventions; these qualities also described the American garden at the time of the opening of the Pennsylvania Horticultural Society. Different from its European counterpart by the use of natural plant material and simpler design, this garden is planted with dogwood, arborvitae, mountain laurel, rhododendron and native azalea. Its uncluttered and airy arrangement permits strolling or just plain sitting.

J. FRANKLIN STYER NURSERIES

U. S. Route 1, P.O. Box 98
Concordville, Pa. 19331
Roland Taylor, Chair

A MOUNTAIN GLEN

A hill or mountain homesite calls for a special garden, such as this private hillside retreat. Flowering trees and evergreens are first planted, both for beauty and deep root systems that retain soil. Underplanting consists of hybrid azalea, rhododendron, drooping leucothoe and mountain laurel, all adaptable to the location, with native ferns as ground cover. Balance is achieved through open spaces and a small garden of sun-loving dwarf plants and perennials. Completing the mood is the calming sound of water dripping from the rocks above into a mountain pool, and a secluded spot to relax and enjoy it all.

VICK'S WILDGARDENS, INC.

Conshohocken State Road, Box 115
Gladwyne, Pa. 19035
A. F. W. Vick, Jr., Chair

THE SOUND OF WATER IN NATURE'S OWN FLORA

Amid a background of pine, hemlock, rhododendron and azalea are several pools, ponds and waterfalls, one of them 20 ft. high. The scene is enhanced with birch, dogwood, and other deciduous trees, as well as native ferns and wildflowers. Indigenous rocks, mosses and lichens add the extra touch.

WATERLOO GARDENS, INC.

136 Lancaster Avenue
Devon, Pa. 19333
Robert Jorgensen, Chair

SUBURBAN LIVING

Suburban life means outdoor life, especially in a breezy, plant-filled gazebo. This shelter is the focal point in an effective combination of annuals, nursery stock and container plants in a patio setting, providing an open interpretation of outdoor living with plants.



floral exhibitors

ALLIED FLORISTS OF THE DELAWARE VALLEY

426 Pennsylvania Avenue
Fort Washington, Pa. 19034
Robert Cullers, Chair

Staged by: LeRoy Florists
96 North York Road
Hatboro, Pa. 19040

A STROLL IN THE PARK

Walk through a garden in the company of a lovely woman and her pet, which are actually life-sized topiaries made of moss and small plants! The flowers surrounding you are fantasy flowers, large carnations made of many smaller ones. The flower arrangements in this park setting are standard arrangements that can be ordered through your local Allied Florist.

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Lafayette Hill, Pa. 19444
William H. Weber, Jr., Chair

PERENNIAL BORDER

A curved perennial border to grace any walk, with color and texture combinations to catch your eye. The flowers run from A to Z, including alyssum, shasta daisy, bleeding heart, candytuft, santolina, daisies, and various colors of liliium.

FLORISTS TRANSWORLD DELIVERY ASSOCIATION

10783 Bustleton Avenue
Philadelphia, Pa. 19116
David Lutt, Chair

FLOWERS THE FTD WAY

18

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MUEHLMATT'S GREENHOUSES

Old Marple Road
Springfield, Pa. 19064
Theodore D. Muehlmann, Chair

FUSCHIA

There's more to this mid-summer beauty than its brilliant

color, as a stroll through this display proves. A closer look at the trailing and upright fuschia shows the graceful growth patterns, delicate blossoms and color combinations.

GEORGE ROBERTSON AND SONS, INC.

8501 Germantown Avenue
Philadelphia, Pa. 19118
Bruce Robertson, Chair

A GARDEN PARTY

You're invited to the festivities in a tent filled with hanging baskets of flowers and decorated tent poles, tables and chairs. The colorful blue, peach and white decor is carried out in a house filled with flowers and plants, and a section of a garden with outside plantings, a fountain and a fence.

ROSES, INC.

1152 Haslett Road
Haslett, Michigan 48840
Dean Polites, Chair
Staged by: Polites Flowers
42 Garrett Road
Upper Darby, Pa. 19082

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Who says that roses are only for formal occasions? Every type of rose grown commercially is arranged and presented here for everyday use.

STAR ROSES

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West Grove, Pa. 19390
R. J. Hutton, Chair
Designed by: Ed Lindemann, PHS Horticulturist
Staged by: Hansen Brothers Nursery
King of Prussia, Pa.

ROSE GARDEN

Centered around two romantic gazebos separated by the Show's Central Feature are colorful beds of roses from around the world, featuring the 1977 All-America Award Winning Roses: First Edition, Double Delight and Prominent. These distinctive new selections are skillfully blended with traditional varieties to give a kaleidoscopic view of roses.

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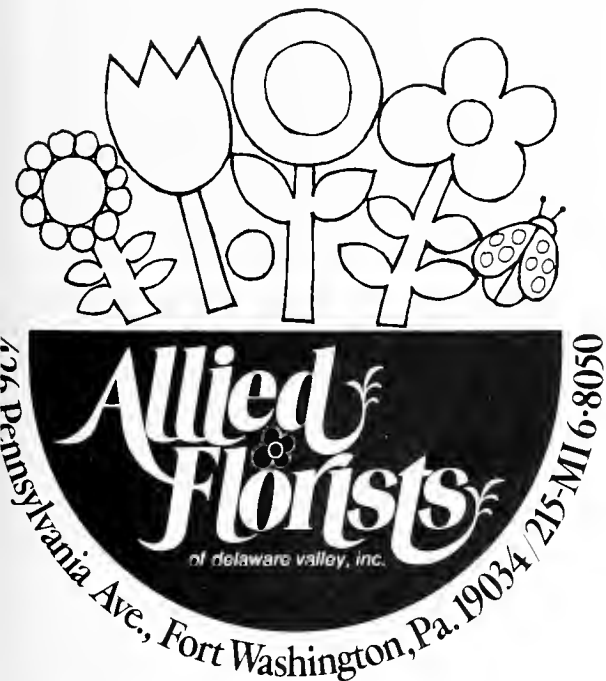
His is the knowledge and artistry of the true professional;

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Look for our symbol.

ALLIED FLORISTS SAY IT BEST

Visit Allied's beautiful floral exhibit and ask for our hint-packed
booklet that lists 250 Allied Florists dotted throughout the
Delaware Valley.





the horticourt

The dedicated horticulturist and the novice alike can learn a lot during a tour of the horticourt. The more than 1,000 plants exhibited here throughout the week represent a wide range of experience among growers. Some have been at it for more than 50-60 years, others may have begun growing seriously only in the last year or two. Before the plants were placed in the horticourt, they were examined by a passing committee, an experience that can create anxiety in the most gifted or experienced grower as well as the first-timer. Some of the plants will be easily identified; similar ones are available at the local nursery or garden center or greenhouse. Others, for example, a rare rock garden plant, can be obtained only through exchanges among a network of dedicated gardeners. You cannot tell just by looking which plants are the most difficult to grow. Often even members of the same club or group will differ about the relative hardship in producing particular plants. One plant may be valued because it was

produced on a windowsill with great effort and attention while the same plant would have been a snap to grow in greenhouse.

All of these problems are taken into consideration when the judges pass through awarding the coveted blue, red and yellow ribbons: under what conditions was the plant raised? How difficult is it to produce those conditions locally? How well is the plant groomed? Plants that have been awarded blue ribbons consistently in the past may not fare well because new and different plants are competing this year and have changed the elements of competition. Entries in the horticourt are made because competitors want to share their enthusiasm about particular plants and want to test their skills against the best growers in the area. Judging is a difficult task; there are many complex elements that go into the growing, maintenance and evaluation of the plants in each section.

horticultural classes in the horticourt

ENTERED AND JUDGED

Saturday, Tuesday and Friday

March 12, 15, 17

(Exhibitor may leave plant in place during Show or change.

All plants will be judged or rejudged on three days listed.)

Large cup narcissus, Carlton

Large cup narcissus, Kilworth

Jonquilla narcissus, Trevithian

Miniature cyclamineus narcissus

Hyacinth, Pink Pearl

Tulip, Schoonoord

Amaryllis

Any named variety of hardy bulb not listed above:

(a) miniature, (b) other than miniature

Containers under 8 inches:

Flowering or fruiting plant(s)

Foliage plant(s)

Flowering or fruiting woody plant(s): (a) trained,
(b) informal

Containers 8 inches or over:

Flowering or fruiting plant(s)

Foliage plant(s)

Flowering or fruiting woody plant(s)

Woody foliage plant(s)

Hanging container. Flowering or fruiting plant(s)
Container: (a) 6 in. and under, (b) over 6 in.

Hanging container. Foliage plant(s)
Container: (a) 6 in. and under, (b) over 6 in.

Hanging container. Specimen fern
Container: (a) 6 in. and under, (b) over 6 in.

Specimen plant grown under fluorescent light:
(a) flowering or fruiting, (b) foliage

ENTERED AND JUDGED

Saturday, March 12

(Removed Tuesday, March 15)

Window box

Botanical family

Miniature plant garden

Terrarium

Strawberry jar

Specimen begonia: (a) container 6 in. and over,
(b) container under 6 in. and over 3 in., (c) container
3 in. and under

Specimen fern: container 8 in. or over

Alpine plant raised from seed

Alpine plant raised from cutting

Specimen cactus

Specimen succulent. Container under 6 inches:
(a) flowering, (b) non-flowering

Plant material trained in three dimensions: (a) topiary
(plant grown from a single stem), (b) on a stuffed form,
(c) multistemmed plant

Herb, culinary: (a) trained, (b) informal

Herb, other than culinary: (a) trained, (b) informal

Specimen Orchid Class

Cattleya alliance

Paphiopedilum

Phalaenopsis and allied

Cymbidium: (a) standard, (b) miniature

Any other species

Miniatures (total height 6 in., not including inflorescence;
phalaenopsis excluded)

ENTERED AND JUDGED

Tuesday, March 15

(Removed Friday, March 18)

Window box

Windowsill collection

Miniature landscape

Vines or climbers: (a) ivy, (b) any other plant material

Strawberry jar over 12 in. and under 24 in. in any
dimension

Specimen gesneriad

Specimen fern, container under 8 in.

Alpine cushion plant: (a) saxifraga, (b) other

Identical plants in separate containers grown as a pair
(no hanging containers): (a) flowering or fruiting,
(b) foliage

Specimen cactus. Container 6 in. or over: (a) flowering,
(b) non-flowering

Plant grown in the house, container under 8 in.

Three plants of different varieties in bloom, shown in
separate containers

Dwarf conifer (must be a natural dwarf not a bonsai)

ENTERED AND JUDGED

Friday, March 18

(Removed Sunday, March 20)

Windowsill collection

Succulent plant garden or landscape

Terrarium

Espalier: (a) flowering or fruiting, (b) foliage

Geranium. Total height of plant and container: (a) less
than 8 in. excluding flowers, (b) 8 in. or over

Forced herbaceous perennial

Rock garden plant

Plant(s) for terrace decoration: (a) flowering or fruiting,
(b) foliage, (c) cactus

Primulas. Challenge class

Novice class: (a) flowering or fruiting, (b) foliage

Plant grown in the house, container 8 in. or over

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niches in competition

A flower arrangement will draw and hold attention as surely as a painting, a piece of sculpture or a beautifully woven rug. The arrangement can be limpid or electrifying; spare or opulent. The people who compete in this section of the Show prepare for months, as an artist will prepare rough sketches, and they work under fierce pressure creating the arrangement in limited time and in a predetermined space. They choose the theme they will interpret from a number

of themes, and they decide whether they will create their arrangement in the large, medium or small niche. Most of the arrangers have a highly developed sense of line, space, color and texture. It comes from practice, working with other arrangers, reading and going to Shows, the arranger's museum. We hope these niches will heighten your appreciation for the infinite variety of flowers in every setting.

22



photos by Edmund E. Gifford, Jr.

Farmount Park Houses. First place: Mrs. Thomas E. Nott and Mrs. Henry Harris

NICHES IN COMPETITION:

1. Large niche
2. Medium niche
3. Small niche

Sunday, March 13

1. Double Exposure
2. Deja vu
3. Sea World

Monday, March 14

1. Publicity
2. Farmers Market
3. Pins and Needles

Tuesday, March 15

1. Triad
2. Riot of Color
3. Challenge Class

Wednesday, March 16

1. Curtain Call
2. Chock Full of Flowers
3. Rough and Smooth

Thursday, March 17

1. Visa
2. Art Museum
3. Fabulous

Friday, March 18

1. Pure and Simple
2. The Birds
3. Good as Gold

Saturday, March 19

1. Green on White
2. Orchidaceae
3. 3 B's (Bees, Bugs and Butterflies)

MINIATURE CLASSES

Class 141 A FAVORITE PLACE
(Contents made by exhibitor)

Class 142 A FAVORITE PLACE
(Contents collected by exhibitor)



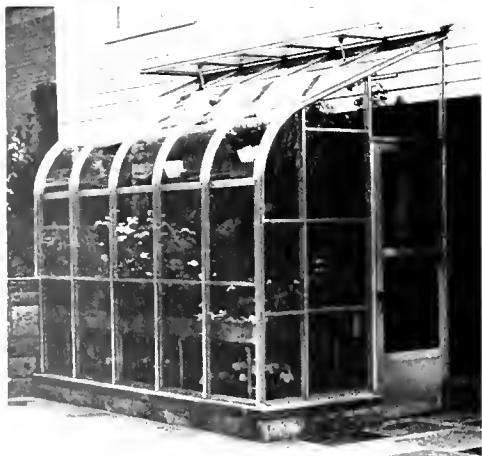
Bartram's Garden. First place: Mrs. H. B. King



It's Up to You. Challenge Class. First place: Mrs. John P. Leech



Above: new free-standing glass-to-ground Camellia
Note extra height



Above: new lean-to glass-to-ground Camellia



Above: the Window Garden

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tables in competition

IN PLACE FROM MARCH 13-20. JUDGED FOR OPENING; REJUDGED WEDNESDAY, MARCH 16.)



Table Class 132 SUNDAY BRUNCH

Garden Club of Bala Cynwyd
Mrs. Walter R. Duncan, Chair

The Greenhouse
Mrs. Morgan Smith, Chair

Green Countrie Garden Club
Mrs. Joseph Hanson, Chair

West Chester Garden Club
Mrs. Robert S. Gawthrop, Jr., Chair

Glen Valley Garden Club
Mrs. R. Arenschield, Chair

Norristown Garden Club
Mrs. Joseph Riemer, Co-Chair
Mrs. George C. Beebe, Co-Chair

Four Counties Garden Club
Mrs. H. S. Valentine, Chair

Random Garden Club
Mrs. R. C. Lynch, Co-Chair
Mrs. David Moran, Co-Chair

1976 Table: History Repeats Itself. First place: Villanova Garden Club

room sections in competition

IN PLACE FROM MARCH 13-20. JUDGED FOR OPENING; REJUDGED WEDNESDAY, MARCH 16.)

25



Room Class 131 A QUIET PLACE

Roxborough Garden Club
Vera Barnes, Chair

The Country Gardeners
Mrs. T. W. Liao, Chair

Old Eagle Garden Club
Mrs. Fred W. Recktenwald, Chair

Valley Forge Garden Club
Mrs. William M. Lemmon, Chair

The Garden Workers
Mrs. W. Blakeley Chandlee, Co-Chair
Mrs. T. Wistar Brown, IV, Co-Chair

Mill Creek Valley Garden Club
Mrs. Charles M. Fletcher, Co-Chair
Mrs. A. Carter Fergusson, Co-Chair

1976 Room: Room for an Heirloom. First place: Seed and Weed Garden Club

gardens in competition

(IN PLACE FROM MARCH 13-20. JUDGED FOR OPENING ONLY.)

Garden Class 161
SMALL GARDENS ARE FUN

The Weeders
Mrs. Robert D. Chapman, Co-Chair
Mrs. James W. Jennings, Co-Chair

The Planters
Mrs. George J. Harding, Chair

Garden Class 162
GARDEN WITH A LIFT

The Gardeners
Mrs. James F. Bodine, Co-Chair
Mrs. Andrew W. Porter, Jr., Co-Chair

Garden Club of Wilmington
Mrs. John R. S. Fisher, Co-Chair
Mrs. Ford B. Draper, Co-Chair

The Outdoor Gardeners
Mrs. David Kaufman, Chair

photo by Edmund B. Gilchrist, Jr.



26

1976 Section of a Garden Reflecting a Colonial Theme. First place: Rose Tree Gardeners.

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Chase Rosade will be demonstrating bonsai culture on an almost continuous but unscheduled basis throughout the Show. Check your floorplan for the Rosade exhibit (almost dead center about 2½ in. from the top).

demonstrations

Other demonstrations scheduled are those presented by Allied Florists and the Pennsylvania Horticultural Society. These demonstrations will be held in the auditorium behind the niche section. See A on the floor plan—extreme left about 2½ in. from the bottom of the plan.

	PHS	ALLIED FLORISTS
Sunday, March 13	10:30 AM 1:30 PM	12:00 Noon 3:00 PM
Monday through Saturday	12:00 Noon 2:30 PM 5:00 PM 7:30 PM	10:30 AM 1:00 PM 3:30 PM 6:00 PM
Sunday, March 20	10:30 AM 1:30 PM	12:00 Noon 3:00 PM

designs for pressed plant material



— and frightened Miss Muffet Away!

(IN PLACE FROM MARCH 13-20.
JUDGED FOR OPENING ONLY.)

Class 151 VIEW FROM A WINDOW

Class 152 COMPOSITION WITH AN
ORIENTAL MOTIF

Class 153 DESIGN FOR A FABRIC

1976 Design for Pressed Plant
Material: A Picture Suitable for
a Child's Room. First place:
Mrs. Lyle R. Tanner



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Pleasant Valley House contains a wide ranging collection of antiques, paintings, objects d'art, fascinating memorabilia and the architecturally renowned Oval Library and Elizabethan Room.

Open to the Public: Tuesday through Saturday 10:00 - 5:00; Sunday 12:00 - 5:00

General Admission: \$2.00 house, \$2.00 garden; \$1.00 students, 50¢ children; \$3.50 house and garden package; Special Group Rates
For Information: Call 301-557-9466, or write 3535 Jarrettsville Pike, Monkton, Maryland 21111

Directions: Exit 27 from Route 695 (Baltimore Beltway) 14 miles north of Towson on Route 146.



special exhibitors

ACME MARKETS

124 North 15th Street
Philadelphia, Pa. 19101
William Bradley, Chair

ACME EDUCATIONAL CITRUS TREE DISPLAY

Here's the story of the citrus fruits you enjoy year-round. Several groupings of trees bearing oranges, lemons, limes and grapefruits are displayed along with implements used to pick the fruit. The marketing of varieties of fruit from the tree to the store is illustrated. The overall motif is Spanish, simulating the early haciendas found near citrus groves in southeastern United States and South America.

FAIRMOUNT PARK COMMISSION

Memorial Hall, West Park
Philadelphia, Pa. 19131
Robert C. McConnell, Chair

IN THE PARK

A walk-through exhibit that recreates the beauty of Fairmount Park. The display includes azalea, dogwood and rhododendron, with a waterfall adding music. A wooden bridge connects this exhibit to the Philadelphia Zoo exhibit.

FIRE DEPARTMENT, CITY OF PHILADELPHIA

3rd and Spring Garden Streets
Philadelphia, Pa. 19123
Captain Joseph Worton, Chair

18TH-CENTURY GARDEN

Step into the past via a miniature 18th-century garden, complete with gazebo to relax and entertain colonial company. And haven't skylines come a long way from this one, painted as background?

MARTIN'S AQUARIUM, INC.

101 Old York Road
Jenkintown, Pa. 19046
Robert Weintraub, Chair

AQUA-LIFE

Plants and sea creatures combine in this exhibit, with tanks of salt- and fresh-water life both swimming and growing in the water. Included in the display is a redwood bench filled with show-quality cacti and succulents from the collection.

NEIGHBORHOOD GARDEN ASSOCIATION

c/o Pennsylvania Horticultural Society
325 Walnut Street
Philadelphia, Pa. 19106
Mrs. William P. Eckfeldt, Chair

FLOWER POWER IN THE CITY

Philadelphia's been going green and gorgeous ever since city dwellers discovered gardens. This entrance to a city house featuring window boxes and planted tire irons is guaranteed to spark any urbanite into a campaign to beautify their environment.

PENNSYLVANIA HORTICULTURAL SOCIETY COMPUTER CENTER

Jane Talarico, Horticulturist
Marian Ballard, Systems Analyst and Programmer
FINPAC Corporation

PRINTOUT FOR YOUR PLANT NEEDS

How much space do you need to grow the vegetables your

family wants? Would you like a list of specific indoor plants suited to the particular environment within your own house or apartment? What flowers should you plant to grow in your yard to give you the colors you desire? Get the answers to these and many more questions at the Pennsylvania Horticultural Society Computer Center. Are you horticulturally informed? Challenge the Datapoint computer with one of several horticultural quizzes.

PENNSYLVANIA SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS

350 East Erie Avenue
Philadelphia, Pa. 19134
Eloise G. Danenhower, Chair

THE PEACEABLE KINGDOM

Kindness to all living creatures, the philosophy of the Pennsylvania SPCA, is depicted in this idyllic scene straight out of the Old Testament (Isaiah 11:6). Its inhabitants are a lion and a lamb, lying harmoniously side by side, and the child who, as Isaiah said, will lead them to a world of love. The perennial "Happiness Flowers," playful puppies for adoption, are also on display.

PHILADELPHIA ZOOLOGICAL SOCIETY

34th Street and Girard Avenue
Philadelphia, Pa. 19104
Charles W. Rogers, Jr., Chair

JUST FOR THE BIRDS

We can all attract flies, but how does one go about attracting birds? Many plants and shrubs do the trick, and waterfowl can even be tempted to man-made lakes and ponds. There's even a shelter for growing house plants in the summer, with plant selections that attract hummingbirds.

THE CITY OF PHILADELPHIA WATER DEPARTMENT c/o Bi-Product Systems, Inc.

122 Church Street
West Chester, Pa. 19380
Frank Post, Chair

PHILORGANIC

An organic soil conditioner developed through special operations on waste water. After turning the waste into a peat-like material, Philorganic can be used in gardens, lawns and house plantings, increasing the tilth of soil, its ability to hold moisture, and enhancing plant growth.

UNITED STATES DEPARTMENT OF AGRICULTURE PLANT PROTECTION AND QUARANTINE

Room 1004, Custom House
Philadelphia, Pa. 19106
D. L. McCullough, Chair

GOTCHA—THE USDA'S TRAPPING PROGRAM

Were you punished as a child for organizing a bug collection? If so, you'll be pleased to learn that there are adults who collect for educational purposes. The USDA traps insects to determine their presence and population in a particular area, as well as to intercept new species. Several of the traps they use are displayed here, including a black light trap, gypsy moth trap, fruit fly trap and McPhail trap.

"Beauty From Bulbs"

SCHEEPERS'

Dutch "Anemone" Dahlias

Scheepers' Superior Quality Stock Imported from Holland

They are ideal as bedding dahlias. Planted in Spring. Flower all season long. As illustrations show they have a row of outer petals and the center of the blooms are filled with tufts of petals that are tube-like, for a lovely effect. Ideal for cutting and table arrangements. For garden planting space 9 inches apart. Planted one clump to a six inch pot, they make beautiful pot specimens for decorating the patio, around the pool, close to the garden seats, etc. Average height 18-22 inches. Very little care required, just water thoroughly once a week. To assure continuous flowering, old blooms must be removed as they fade.

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HONEY. Apricot, tufts lemon.

GRANATO. Orange-scarlet.

GUINEA. All Yellow.

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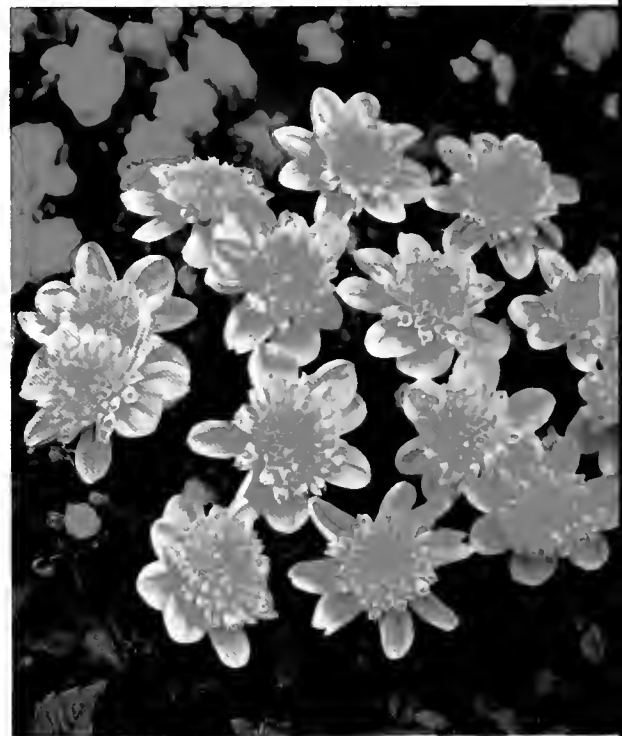
Place your order now, we will ship at proper time for planting in your climate. Full planting and cultural instructions included with each order.



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Our spring catalog "Beauty from Bulbs" listing of superior Dahlias, as well as Gladioli, Lilies, Montbretia, Begonias and other spring planting items, will be shipped upon receipt of your order, or by special request. Catalog is color illustrated.

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plant society exhibitors

AFRICAN VIOLET SOCIETY

2050 E. Orleans Street
Philadelphia, Pa. 19134
Tom Seiler, Chair

THE AFRICAN VIOLET WAY

What's to know about African violets? Plenty, as the knowledgeable African violet growers who staff this exhibit can tell you. They give ideas on propagation of the delicate flowers, answer any questions on ailing plants, and distribute "how to" sheets for propagation and joining the African Violet Society.

AMERICAN RHODODENDRON SOCIETY

Philadelphia and Valley Forge Chapters
c/o T. Stecki
Kresson-Gibbsboro Road
Marlton, N.J. 08053
T. Stecki and E. Collins, Co-Chair

KNOWING YOUR RHODODENDRONS

From gardening novice to rhododendron enthusiast, there's always something more to learn about rhododendron. A display of the various types, from dwarf through full-size specimens, emphasizes leaf forms, color variation and individual characteristics of the rhododendron family. For your questions, members of both chapters will be available to discuss cultivation, growing techniques and disease control.

AMERICAN ROCK GARDEN SOCIETY

Delaware Valley Chapter
1421 Ship Road
West Chester, Pa. 19380
William L. Collins, Chair

ROCK GARDENING IS FOR EVERYONE

Whether your garden space is a windowsill or an acre of land, you can develop a beautiful rock garden, as this display clearly shows. While the more devoted rock gardener may seek out special plants and rocks from catalogs, or even prowl around in nature's hiding spots, a novice can use plant material from a local nursery or supermarket and "shop" for rocks along the road. Gardens exhibited include a mound garden for a small outside plot and portable container gardens for those with only windowsill space, as well as photographs of large rock gardens.

DELAWARE ORCHID SOCIETY

105 Burning Bush Drive
Newark, Delaware 19711
Peggy Cavanaugh, Chair

ORCHIDS AT MIDNIGHT

The stark beauty of a single orchid on black is multiplied many times in this display, which includes specimen orchid plants of various genera. There's education, too: all plants are clearly labeled and information is available on growing orchids and membership in the society.

DELAWARE VALLEY FERN SOCIETY

c/o Mrs. George R. Shaefer
2976 Dorman Road
Broomall, Pa. 19008
Mrs. George R. Shaefer, Chair
Show Designer: Ron Goldstein

A NINETEENTH-CENTURY PARLOR

The concepts of contemporary indoor gardening are heralded in this authentic nineteenth-century parlor. The Wardian Case, dating from 1829, evolved into the terrarium; the subsequent Victorian window gardening foreshadowed today's popularity of house plants. A fern in a jar began it all.

GREATER PHILADELPHIA ORCHID SOCIETY

1806 Earlington Road
Havertown, Pa. 19083
John P. Slowik, Chair

A QUIET PLACE

Serenity and beauty are offered in this display of orchids and water. A fountain surrounded by orchids is fronted by a pool also surrounded by plants. The backdrop is filled with large house plants, and, once again, orchids.

INDOOR LIGHT GARDENING SOCIETY OF AMERICA, INC.

Philadelphia Chapter
c/o Dolores C. Peck
8813 Patten Road
Philadelphia, Pa. 19118
Mary Ebenbach, Chair
Edgar Ebenbach and Florence Gerst, Vice-Chair

SHOW 'N GROW

What a bright idea—light gardens in the home. Some favorite specimens include a light garden under a stairway, in a recreation room and part of a laundry room turned into a propagation and growing center.

PENNSYLVANIA BONSAI SOCIETY

c/o F. Chase Rosade
Box 303, Ely Road
New Hope, Pa. 18938
Ralph R. Walker, Chair

BONSAI

If bonsai is a living art form of potted trees and plants, then this display is a gallery of these miniature trees and landscapes. The trees shown are all from private collections and are some of the finest on the East Coast.

PHILADELPHIA CACTUS AND SUCCULENT SOCIETY

Morris Arboretum
Philadelphia, Pa. 19118
Henry Gisser, Chair

CACTI AND SUCCULENTS OF THE RAIN FOREST

Escape the winter chill, if only temporarily, amid cactus

continued

and succulent plants that grow in the tropical and subtropical rain forest. Enjoy a brief vacation but don't forget to study the habit of growth and variety of form of both the epiphytic and terrestrial plants.

PHILADELPHIA AREA DAFFODIL SOCIETY

c/o Charles A. Gruber
124 Lincoln Terrace
Norristown, Pa. 19401
Mrs. George R. Haines, Chair

CHANGING TIMES

While new daffodils are introduced every year, old variations do not fade away; they become tried-and-true favorites of daffodil fanciers. Both new and old are presented in a for-

mal setting, complimented by light and dark blue hyacinths and bright orange pansies. This colorful, and low maintenance, combination garden is readily changed for summer annuals.

SOUTHEASTERN PENNSYLVANIA ORCHID SOCIETY

510 Lionville Road
Downingtown, Pa. 19335
Eric E. Bittmann, Chair

ORCHIDS AT VICTORIA FALLS

A lavish display of orchids in a natural setting. A backdrop mural of Victoria Falls, as well as a tributary of the falls splashing water into a pool, suggests the important elements for the orchids's native environment.

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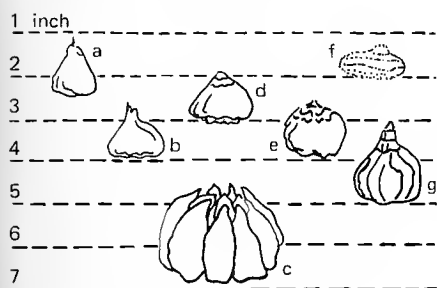
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1 Mustang Drive
Cohoes, New York 12047

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5401 Charles City Rd.
Richmond, Virginia 23231



Bulbs

Botanically, bulbs are really stems. For all practical purposes, they are sort of like onions and you plant them in the fall. In the spring you get tulips, daffodils, crocuses, hyacinths, scillas, snowdrops, and lots more if you get into them and want a lot of spring joy inexpensively. Once planted, most bulbs keep coming up year after year. But it is important to keep the foliage growing until it turns brown since it is the green leaves that enable the bulb to manufacture the wherewithal to grow and form next year's flower bud.



A Planting-Depth Guide for Bulbs

- a Snowdrop — 3 in. apart
- b Tulip — 5 in. apart
- c Lily — 6 in. apart
- d Scilla — 3 in. apart
- e Hyacinth — 6 in. apart
- f Crocus — 3 in. apart
- g Narcissus — 8 in. apart

You can bring brilliant color and fragrance to your indoor garden — be it just a windowsill — by forcing hardy bulbs into bloom in January and February. And don't limit your efforts to growing only the more frequently seen daffodils, tulips and hyacinths. Try the little bulbs like *Iris reticulata*, species crocus and species tulips, *muscaria* and *scilla*. Always buy top quality bulbs.

To force hardy bulbs, it is necessary to give them conditions similar to those in which they grow in the garden: a period of coolness and moisture for maximum root growth, followed by a gradual increase of temperature and light for blooming.

Containers may vary in size depending upon what bulbs are to be grown in them. A 7-in. bulb pan (pot) will hold only three double-nose daffodil bulbs, but the same size could hold six or more tulip bulbs or as many as a dozen *scilla* or *muscaria*. While bulb pans and azalea pots are the nicest containers for forcing bulbs, they are not the only possibilities. Decorative ceramic pots, if they have a drainage hole in the bottom, can be used. Antique brown pottery salt crocks, sometimes seen at country auctions, can be converted to suitable containers by boring a hole in the bottom.

Hardy bulbs for forcing can be potted from September to late November, but daffodils and many of the small bulbs should be prepared as early as possible since they make their root growth in early autumn. Use whatever soil mix you have on hand.

Place broken pot chips over the drainage hole and add enough soil mix so that when the bulbs are placed on it, their tips will be about 1 in. below the rim of the container. Then fill in around them with soil and press it firmly into place. When potting tulip bulbs, place the flatish side of the bulb toward the outside of the pot because the lowest leaf emerges on that side of the bulb. This helps make a more attractive pot when the tulips are in bloom.

After planting, soak thoroughly and

place in a cold (but not freezing) place (30°–40° is ideal). A trench in the outside garden, or a coldframe where they can be dug in and covered with sand or peat moss are both good. But if you are lucky enough to have a root cellar or some other place that stays cold, you can save yourself some work. Some people use their refrigerators. If you do, be sure to put the soaked plant in a plastic bag. Outside, in the trench, normal rainfall will provide adequate moisture, but in the root cellar, coldframe or other covered place, extra watering will be necessary from time to time.

Another simple method of storage we've heard about is keeping the pots (after planting and soaking) in a trash can with a 4-in. layer of sand on the bottom and 2 or 3 in. of sand between each layer of pots, covering the top of the can with another 4-in. layer of sand.

Examine the pots after eight or ten weeks; some of them will be filled with roots. When this has happened, bring them indoors for gentle forcing. Be sure they have sufficient moisture and place them first in a cool spot such as an unheated room or cold windowsill. After a week or ten days, they should be showing buds and some color. At this stage they need all the sun they can get, but cool nights. The cooler it is, the longer the flowers will last.

reading

Handbook on Bulbs
by the Brooklyn Botanic Garden
Brooklyn, New York, 1959

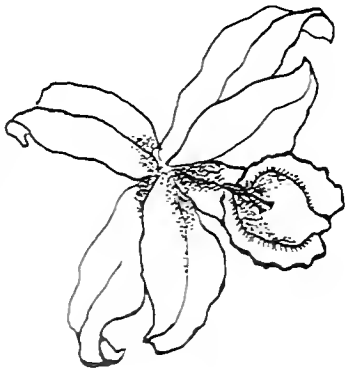
Hardy Garden Bulbs
by Gertrude S. Wister
Dutton, New York, 1964

SPRING FLOWER BULBS
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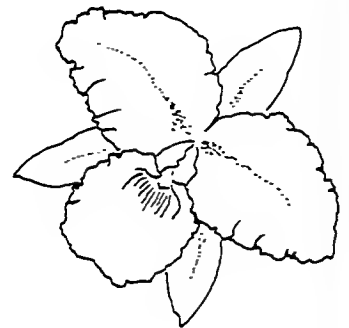
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educational exhibitors

AWBURY ARBORETUM OF THE CITY PARKS ASSOCIATION OF PHILADELPHIA

321 South 4th Street
Philadelphia, Pa. 19106
Nancy Clarke, Chair

BOG GARDEN IN WINTER AND SPRING

Horror movies have transformed marshes and bogs into mysterious and exotic places. There are, however, many plant materials that succeed under these conditions, as the dried plants in winter and perennials in early spring show in this display. A slide presentation depicts the plant species suitable to the bog at Awbury, and a self-guided nature trail to the area is available to willing explorers.

THE BANCROFT COMMUNITY

Commissioner's Pike
Mullica Hill, N.J. 08062
Serge A. Dihoff, Chair

JUNIPERS, SHAPE, COLOR AND FORM

A nineteenth-century landscape showing off the diversity of shape, color and form among junipers, using the maximum number while still keeping integrity in design. Adding the extra touch is a selection of bonsai material as well as appropriate nineteenth-century sculpture.

W. ATLEE BURPEE

300 Park Avenue
Warminster, Pa. 18974
Jeanette Lowe, Chair

BURPEE'S RESEARCH AND DISPLAY GARDEN

The exhibit shows how the Burpee Seed Co. creates new varieties or cultivars of vegetables and flowers, especially hybrids. Ways to grow them in your garden are suggested. Here you can visit the outdoor plant breeding workshop and see exactly what hybrids are; how seeds are produced for them; learn why hybrids are usually better than average, and why you shouldn't try to save seeds from them.

Other plant breeding techniques for the development of new flowers and vegetables are also shown. Samples of some of Burpee's finest marigolds, beans, lettuce, summer squash, tomatoes and other plants are included, using the conventional linear methods as well as other space-saving techniques for growth.

DELAWARE VALLEY COLLEGE OF SCIENCE AND AGRICULTURE

Doylestown, Pa. 18901
John C. Mertz, Chair

PLANT PROPAGATION: HOW AND WHY

Why have the techniques used in plant propagation evolved? Can you do-it-yourself? Find the answers through exhibits and demonstrations, explaining how to manipulate moisture, temperature, light, and hormones during propagation. The exhibit shows how you can use materials on hand to propagate plants with the best results.

FRIENDS HOSPITAL

Roosevelt Boulevard and Adams Avenue
Philadelphia, Pa.
William S. Hall, Chair

160 YEARS OF HORTICULTURAL THERAPY AT FRIENDS HOSPITAL

Horticultural therapy has changed from its earliest form as occupational activity in 1817 to its present professional status as a means to achieve therapeutic goals. Friends Hospital, the first mental institution in the United States to use horticulture as a therapeutic activity, presents the development of this therapy through graphics and audiovisuals, with examples of specific projects and how they serve the particular needs of patients.

IKEBANA INTERNATIONAL

Philadelphia Chapter
220 West Rittenhouse Square, Apt. 19C
Philadelphia, Pa. 19103
Ruth H. Dillon, Chair

THE WAY OF FLOWERS

From the sixth century to present, ikebana, the art of Japanese flower arrangement, has been a popular method of decoration. An exhibit to interest the beginner as well as the ikebana expert includes authentic examples of the classical Rikka of the 15th century, the Moribana (low-bowl), introduced in 1900, the contemporary free-style of 1926, and the modern avant-garde form. Members of Ikebana International who participate are qualified by many years of study under Japanese Masters of the three dominant schools.

INTERNATIONAL SOCIETY OF ARBORICULTURE

Pennsylvania-Delaware Chapter
26 East Mill Road
Flourtown, Pa. 19031
Edward Martin, Chair

TREE CARE EXHIBIT

Choosing and planting the right tree is worth the effort only when its care and maintenance is continuous. In treating a tree for Dutch elm disease, the Elm Research Institute prescribes inserting vents every six inches apart at the base, with connecting tubing attached and a pressure sprayer for forcing the chemical into the sap stream. This demonstrated method can also be used for the control of other insects. Also on display are six cavity logs showing how to treat tree cavities and wounds. Manikin treemen in proper dress show the correct tools and safety features for climbing trees.

MERCER COUNTY COMMUNITY COLLEGE

P.O. Box B
Trenton, N.J. 08690
Matthew S. Rosen, Chair

A GARDEN FOR ALL SEASONS

The time-honored landscape goal, a garden for all seasons, is visually translated with the help of a coordinated assortment of herbaceous and woody plant materials. Strolling through the garden, one sees the visual centers of interest shifting anew each season.

educational exhibitors

MORRIS ARBORETUM

9414 Meadowbrook Avenue
Philadelphia, Pa. 19118
Paul W. Meyer, Chair

ARISTOCRATS FOR A SMALL SHADY GARDEN

Have a small shady area to plant and don't know what to use? The secret is selecting plant species that are in scale with the surrounding area, tolerant of shade, and attractive throughout the year. Examples that satisfy these criteria are displayed here in a well-designed landscape setting.

PENNSYLVANIA NURSERYMEN'S ASSOCIATION

E-1 Region
Jeffrey Bieberfeld, Chair
County Line Landscape Nursery
805 Harleysville Pike
Harleysville, Pa. 19348
Staged by: Scott Drahos
Heyser Landscaping Inc.
400 North Park Avenue
Norristown, Pa. 19401

EXECUTIVE OFFICE ATRIUM

A woodland haven in a busy office? The potential of commercial landscape design is seen in a year-round vista in a small area for an executive office. River cobbles depict a dry stream bed, while plant material, including ground covers, shrubs and small flowering trees, are arranged on mounds of topsoil mix. The total effect is a creative blending of textures, techniques and materials.

THE PENNSYLVANIA STATE UNIVERSITY EXTENSION SERVICE

Cooperative Extension Service
The Pennsylvania State University
400 Markley Street
Norristown, Pa. 19401
Professor James K. Rathmell

LANDSCAPING WITH SHADE LOVING PLANTS

Do shade areas present problems in your landscape? Which plants will grow in the shade? Plants adapted to shady environments are illustrated by deciduous and evergreen woody specimens as well as colorful flowering annuals and perennials. Using properly selected broadleaf material around the home and under high shade areas, the exhibit carefully blends some of the new varieties of impatiens and begonias into the total landscape plan.

Yes, shade areas can be landscaped.

THE PENNSYLVANIA TURFGRASS COUNCIL, INC.

20 Tyson Building
University Park, Pa. 16802
Don Pakkala, Chair

YOUR TURFGRASS ADVISOR

Everything you always wanted to know about turfgrass and more. A photomural of turf scenes and samples of turfgrass varieties share the spotlight with an educational slide show. Local County Extension Agents and Turfgrass Council personnel will be available to answer questions and distribute Extension publications and soil test kits.

ROSADE BONSAI STUDIO

Box 303, Ely Road
New Hope, Pa. 18938
F. Chase Rosade, Chair

A QUIET PLACE TO WORK

A total bonsai experience that includes sight and sound: exhibits and demonstrations. A Japanese garden house contains a bonsai display with a small garden outside, and an expert works on and talks about the art of these miniature trees throughout the show.

TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION

Department of Horticulture and Landscape Design
Meetinghouse Road
Ambler, Pa. 19002
Glenn Geer, Chair

AMAZING CAREERS

A trip through a maze—popular landscape element of the past—highlights the many career avenues in horticulture and landscape design. At each turn is an opportunity for horticulturists. The center is decorated with a colorful display where you may pause before finding your way out.

UNIVERSITY OF DELAWARE HORTICULTURE CLUB

c/o Dr. R. W. Lighty
Room 165, Agricultural Hall
University of Delaware
Newark, Delaware 19711
W. Gary Smith, Chair

A GEODESIC GARDEN VILLA: ADAM AND EVE IN 20TH CENTURY PARADISE

A well-planned landscape design doesn't just appear. This project, developed by students of landscape architecture, illustrates the process of design from the conception of an idea to the presentation of the landscape model.

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what is fertilizer?

Fertilizers are often called plant food, but that is something of a misnomer. Plants do not eat ready-made food the way animals do. They manufacture the bulk of their own food through a process called photosynthesis, in which the green leaves combine carbon from the carbon dioxide in the air with hydrogen from the water in the soil to form carbohydrates. The energy required to break down the carbon dioxide and water into their component parts is supplied by sunlight. In a very real sense, sunlight is the most important factor in plant growth. No amount of fertilizer can replace it.

The carbohydrates formed by photosynthesis are stored in the stems, roots and seeds in the form of starch and provide all the "food" plants need. Incidentally, the carbohydrates (starches and sugar) formed in green plants by the process of photosynthesis are the basic food for all animals, including man.

So — what's fertilizer? It contains some of the elements plants need in order to transform simple carbohydrates into the more complex substances that make up the various plant tissues.

There are ten elements of major importance: oxygen, hydrogen, carbon, nitrogen, potassium, phosphorous, calcium, magnesium, sulphur, and iron. Plants get the first two, oxygen and hydrogen, from the water that they take from the soil, since these are the elements that make water (H₂O). The third, carbon, comes from the carbon dioxide in the air and enters the plant through pores in the leaves. The other seven are absorbed in dilute solution through the roots and are what we put in the soil when we "fertilize." Note, however, that a plant cannot use extra nitrogen or potassium or phosphorous unless it is actively making carbohydrates through photosynthesis. It is photosynthesis, not the amount of fertilizer, that determines how fast a plant is growing.

There are also a dozen or more minor or trace elements (boron, man-

ganese, aluminum, copper, zinc, etc.) needed in very small amounts which are also absorbed in water through the roots. Most of these are found to a sufficient extent in water, but so-called "complete" fertilizers also contain them to be on the safe side. Virtually none remain in the soil of potted plants after several weeks of daily watering. Again, the important thing to remember is that none of these elements can help a plant that does not have enough air or water, or sunlight, or is sick, or bug-ridden, or dormant.

What's the difference between organic and inorganic or chemical fertilizer? Principally, the form and availability to the plant. The organic fertilizers — dried blood, bone meal, manure, etc. — have to be broken down into simple forms of nitrogen, potassium, phosphorous, etc., by soil microorganisms before they can be dissolved in water and taken up by the plants. The microorganisms can only function when the soil temperature exceeds 70°, and even then the process may take days or weeks. On the other hand, chemical fertilizers are manufactured in forms that can be utilized by the plants immediately.

As far as the plant is concerned, there is no difference between organic and inorganic fertilizers. No one has ever been able to differentiate between nitrogen, potassium and phosphorous from inorganic sources and the same elements from organic sources when they are at the stage at which plants can use them.

So, if you're not mixed up by now, take the advice of the Pennsylvania Horticultural Society and get yourself a box of "complete" water soluble fertilizer and use it, *according to the directions*, on plants that are growing actively and are in sun or very good artificial light. Note that unless under artificial light, nothing grows much from October to March. There just isn't enough sun.





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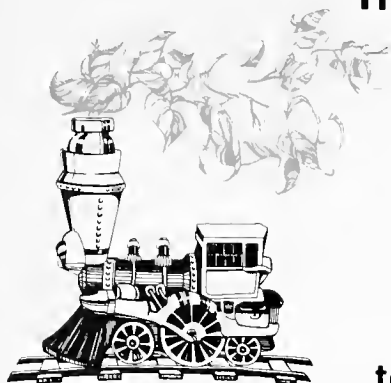
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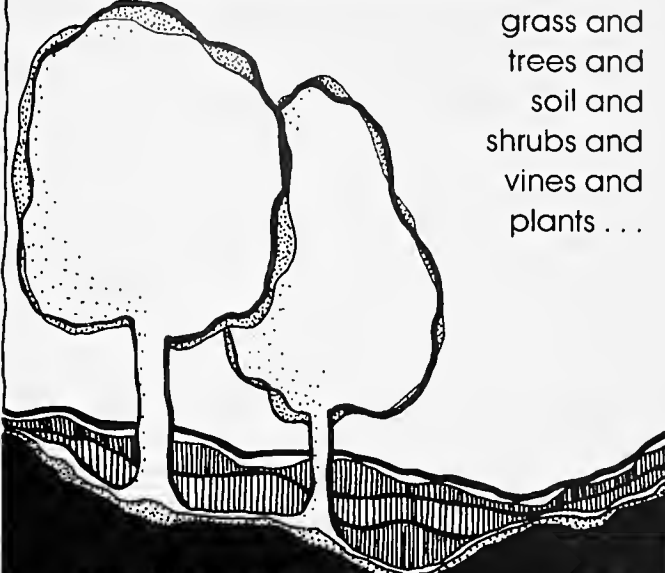
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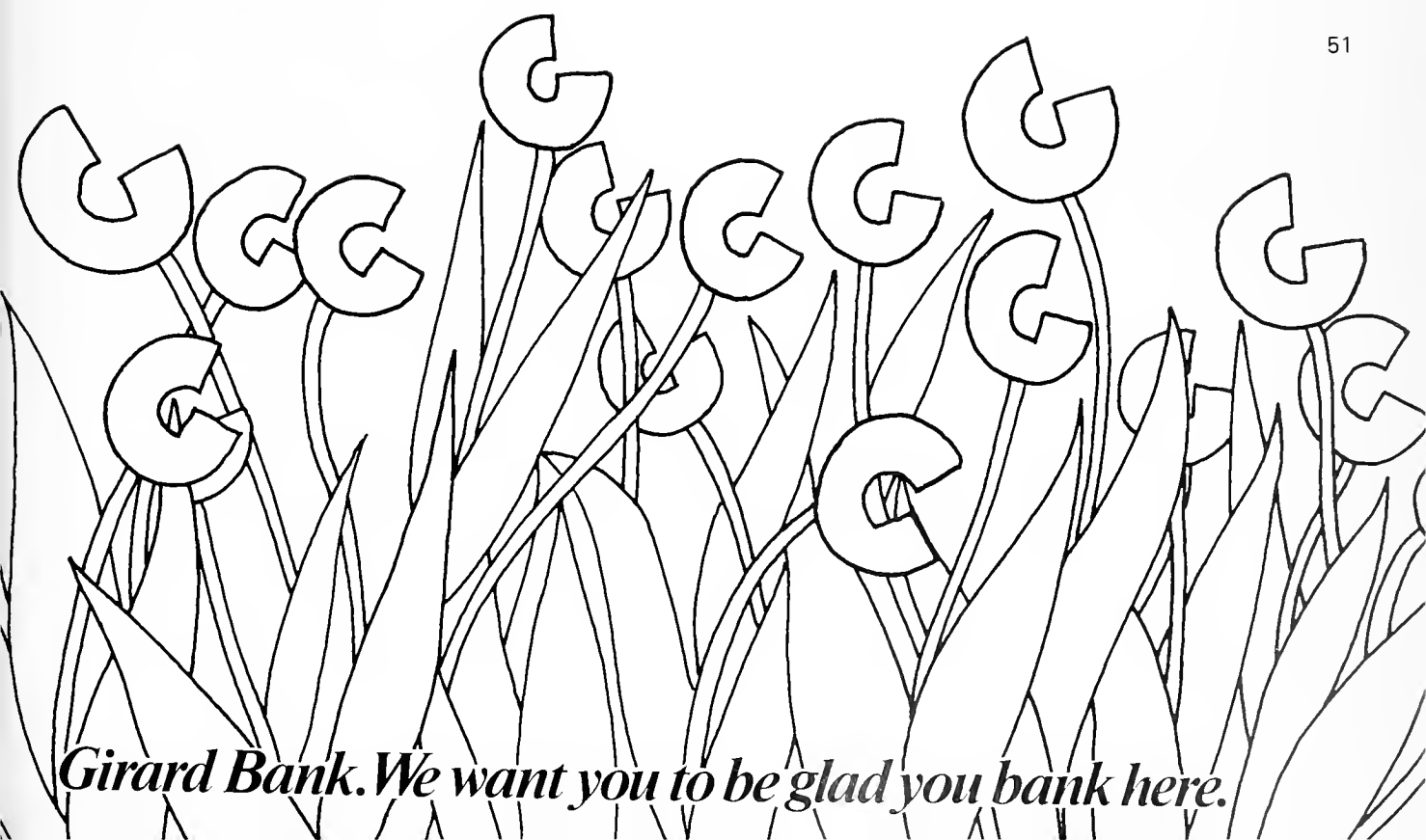
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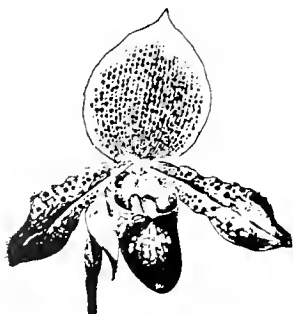


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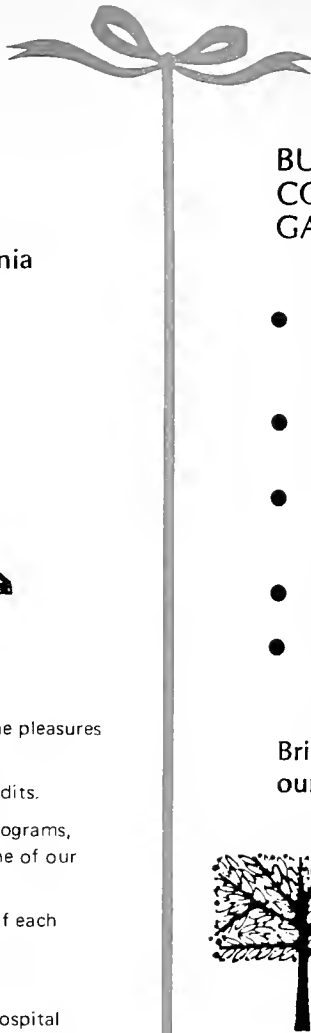
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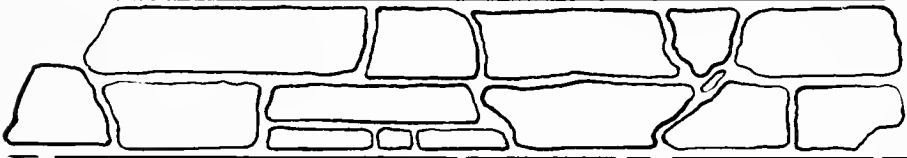
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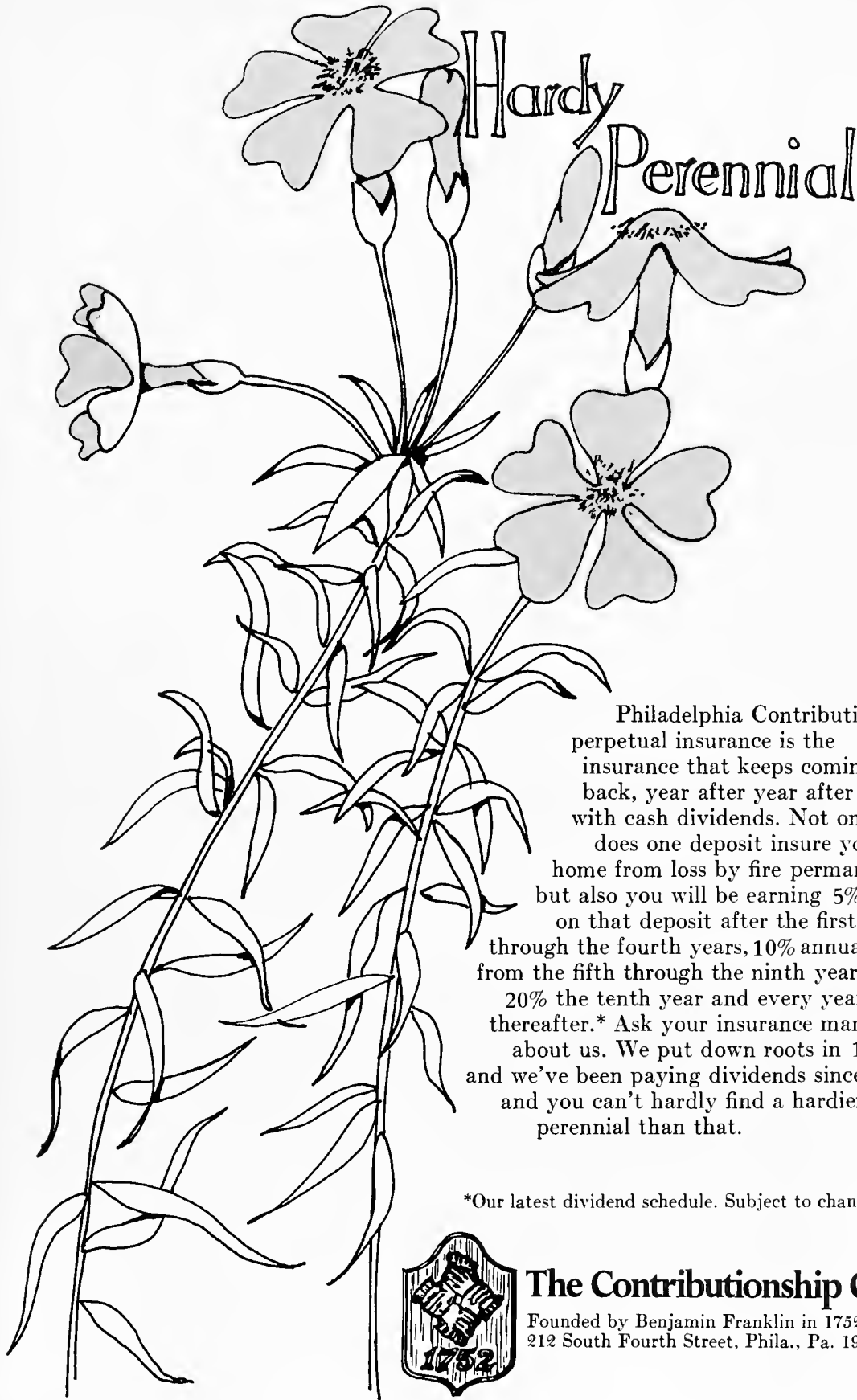
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SHOW

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March 5-12, 1978, Philadelphia Civic Center \$1.00

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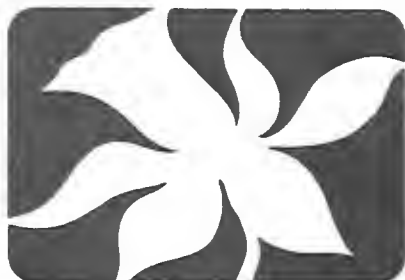
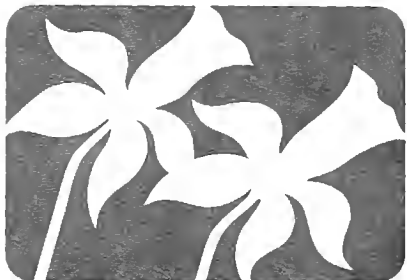
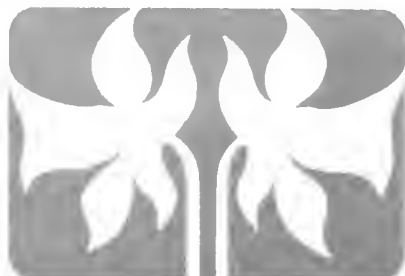
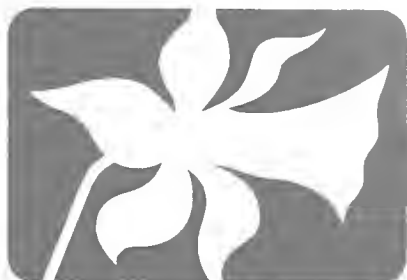
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In the beginning . . .

was hardly anything. Set up usually starts 10 days before the Show.

photos by Steven Goldblatt



Four hundred truckloads of gravel, rocks, sand and railroad ties arrive.

No stone is returned.



GETTING THE SHOW TOGETHER

BUILDING FROM THE GROUND UP

You've arrived at the Show and every stamen and pistil is in place. If only God can make trees, we have hurried them into bloom. And we can astonish at this dismal tail-end of winter with the stunning yellows, red and purples that have been determinedly nurtured into bloom.

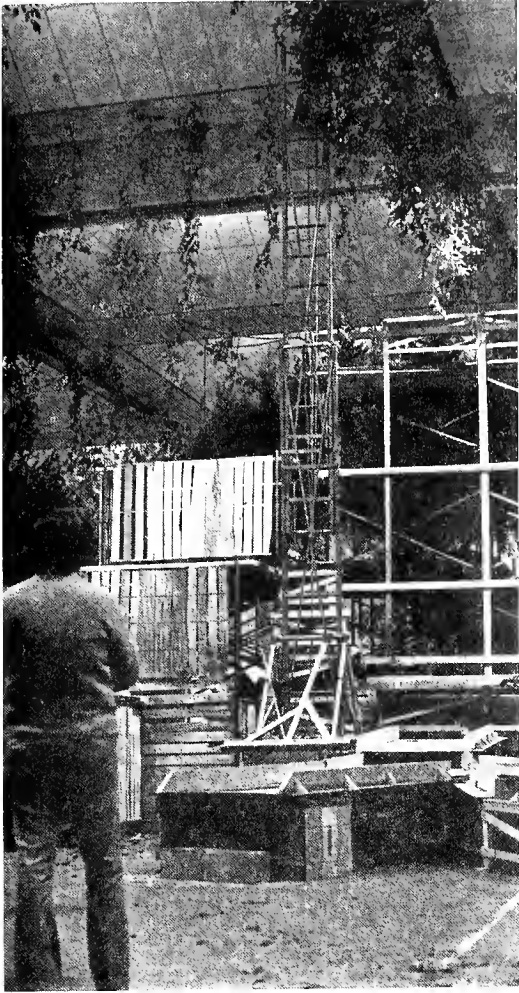
Creation on these five acres goes back more than 14 months ago. In January 1977 the first design or floor plan was completed. It went through 13 revisions until it worked to everyone's satisfaction.

Bulbs for the more than 14,000 tulips, hyacinths and daffodils that you see spread throughout the Show were ordered from Holland in June, planted in September and moved into a greenhouse for forcing in early February.

The schedule for all of the competitive classes (arrangement and horticulture) was drawn up in April, worked over, revised and finally mailed in September.

The nurseries were moving trees indoors in November to force for the

Understructure for a mountainside.



While scaffolding is used for the larger hills, bales of straw, fruit boxes or easily-made platforms are used for the lower contours. Then, over an economical mulch, such as peat moss or wood chips, potted or bare rooted plants are bedded or sod is laid. About 18,000 sq. feet of sod and 1,000 cubic yards of mulch are used.



beautiful gardens you see around you.

Beginning in January, many of the niche arrangers were meeting to practice their craft under simulated Show conditions.

On February 24 we moved into the Civic Center.

Four hundred truckloads of gravel, rocks, sand, railroad ties and trade booth materials arrived; three more vans were required just to ship the materials for the niches.

Miles of cable were laid, carrying an electrical load amounting to 30,000 kilowatt hours, enough to supply five average Philadelphia homes for a year.

Enough smilax for an entire production of *Gone with the Wind* was hung.

Almost 1,500 people have worked on this Show—horticulturists, nurserymen, carpenters, guards, ticket-takers, students, people from arboretums, colleges, universities, the City. Some because it was their job; some because plants are their life and it's the biggest thing going in plants at this time of year. Not many of us can resist it.



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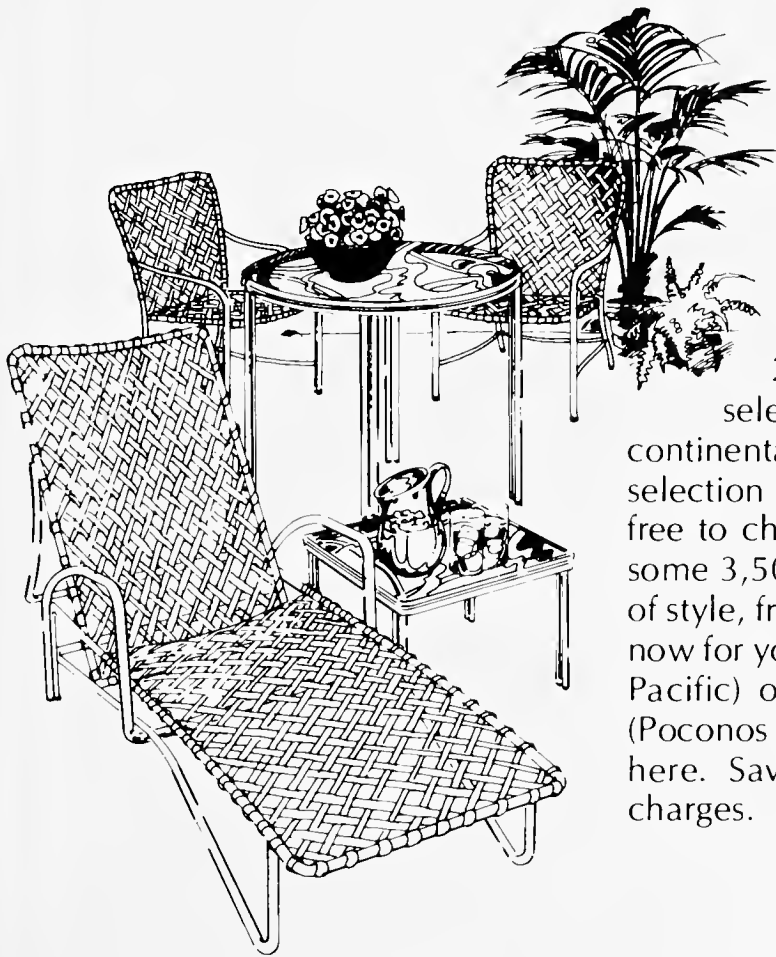
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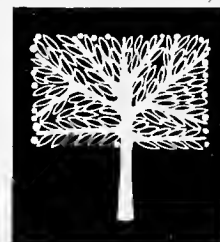


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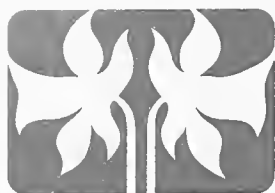
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Judging at the Show

Before the doors close for the last time on the 1978 Flower & Garden Show, the Pennsylvania Horticultural Society and various other horticultural and gardening groups will have awarded more than 1,200 ribbons and 100 prizes to exhibitors. This is unquestionably the most massive distribution of horticultural honors on the East Coast. It may well be the largest in the nation.

The logistics are impressive. Every competitive class is judged by a panel of three experts. Special awards involve as many as 12 judges. All judges must be qualified. Insofar as possible, all judges of competitive classes must come from far enough away so that they will not recognize the entries or guess the identity of the exhibitors. There must be sufficient turnover to prevent accusation of favoritism. Finding and recruiting 100 or more people who meet these criteria is a monumental task.

When the full array has been assembled, a second challenge presents itself. Each judge must be assigned to a panel, each panel must be assigned to a group of classes or exhibits, and information about the classes or exhibits must be sent to the people concerned. On the opening day the judges must be organized and deployed, each panel accompanied by a clerk to record its awards, so that when the signal is sounded, everyone is ready to go.

In this case, "going" doesn't involve much motion. What it involves is intense

concentration. Typically, a panel is faced with from two to six classes, each with seven or more entries. Within the space of two hours, the judges must consider each entry in relationship to all the others and arrive at a consensus as to which deserves the blue ribbon, the red and the yellow and how many honorable mentions there should be, if any. The rules require the judges to focus on all aspects of the entries and in most cases, to assign point scores to each aspect. The number of discriminating choices that have to be made under the pressure of a tight schedule is staggering.

Finally, the job is done (although it will be repeated on a smaller scale several times during the week). The clerks have tallied the results and placed the ribbons and awards. The Show is opened to the public, and a second round of judging begins. This time it is

Nurseries are awarded up to 40 points for design, 15 for use of color, 20 for condition and quality of plant material, 15 for educational value and 10 for labeling.

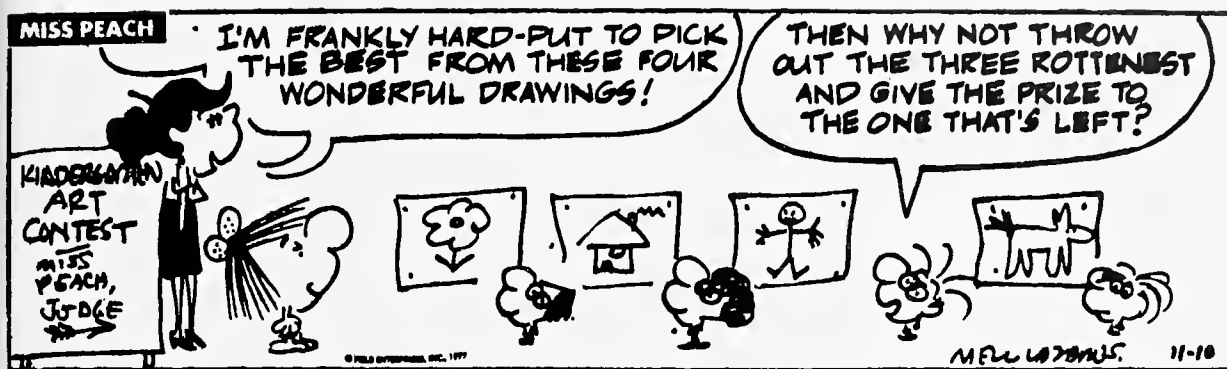
a judging of the judges or, more accurately, a judging of their work. Blue ribbon winners can generally be expected to applaud the judging unreservedly.

Those awarded red ribbons are a bit more restrained, but still generally commendatory, unless their hearts were set on blue. And so it goes, down to the also-rans and their friends, who, understandably, feel the judging left something to be desired. Good sportsmanship is the order of the day, but inevitably there are a few who question the whole procedure.

Their questions are phrased in a variety of ways, but all point to a central and critical issue: How can the judges say that one entry is better than another? Isn't it just a matter of taste? Or worse, of whim?

The answer is yes and no. Yes, judging is an exercise of choice flowing from the individual judge's perceptions and values. Judges are human and taste is personal. Good judges will disagree. The same entry might well receive a blue from one panel and an honorable mention from another.

On the other hand, no, the awards are neither capricious nor meaningless. On the contrary there is a remarkable uniformity in judging. Good growers earn honors year in and year out, despite the fact that all entries are judged anonymously. The best exhibits are often so clearly superior that no one can quarrel with the awards. In short, the ribbons and prizes mean a great deal, and there is much to be learned by studying them. Careful observers will find that after a few shows their preferences will be more in accord with the judges: They will have learned to



MISS PEACH by Mell Lazarus. Courtesy of Mell Lazarus and Field Newspaper Syndicate.

identify an outstanding entry when they see one.

This brings us to the most intriguing question of all. How do the judges tell a blue ribbon entry from an honorable mention? The answer varies depending upon the kind of exhibit you are talking about. There are at least three categories with quite different standards and philosophies of judging.

The Artistic Classes. This group includes flower arrangements, niches, rooms and table settings. They are the most common and widespread area of competition in American horticulture. Virtually every flower show has some form of contest in flower arranging. Every garden club has frequent lectures and workshops on the subject. The number of books, magazine articles, demonstrations and displays almost passes belief. As a result, there are rules and standards governing every aspect of a flower arrangement and (to a lesser degree) place settings. There are schools for judges and prescribed levels of accomplishment before a judge is fully accredited. While selecting a winner still requires a discerning eye and good taste, the judge can usually point precisely to the outstanding features of one entry or the flaws in another. Insofar as possible the judging is systematic and objective.

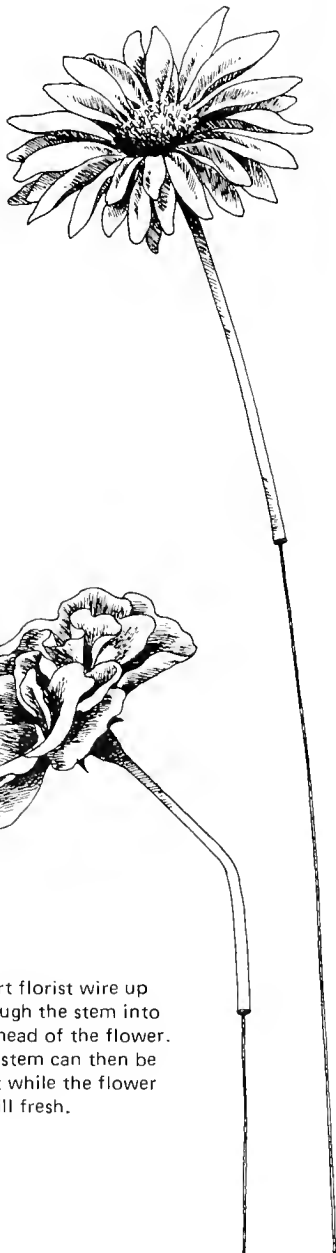
The Horticultural Classes. These are the classes for flowering and fruiting plants, hanging baskets, terrariums, window boxes, topiary collections, bulbs, etc. They are different from the artistic classes in one major respect. Whereas you will see just as outstanding flower arrangements in other shows as in ours, you will probably not see such outstanding horticultural entries. Our horticultural classes are the most varied, and the quality of our entries is the best. That means instead of following rules and point schedules worked out by others, we must develop our own. Instead of being able to call on a ready supply of trained judges, we must locate expert growers and persuade them to try their hand at judging. Sometimes it proves impossible to find an outsider who is as skilled and knowledgeable as our own exhibitors, and there is always the problem of differing climatic conditions. As a consequence, judging in these classes is less systematic, more subjective, and somewhat less satisfactory. Nevertheless, as we accumulate experience and refine our schedules, the results are becoming more acceptable to the competitors.

General Classes. Into this category fall gardens, terraces, nursery exhibits, plant societies and educational exhibits. They are divided into four groups (educational, floral, landscape and special), each of which has its own scale of points for judging. For example, nurseries (which comprise most of the landscape group) are awarded up to 40

points for design, 15 for use of color, 20 for condition and quality of plant material, 15 for educational value and 10 for labeling. In addition, the entrants submit statements of the message their exhibits are intended to convey. The result is that each exhibit is measured, not against the others, but against a point scoring schedule that includes its own stated objective. The highest scoring entry in each group receives a Flower Show Award. The next highest receive Awards of Merit. Others receive Flower Show Trophies. The thing to remember is that all have been deemed worthy of display. This in itself is an accomplishment to be proud of.

The only exceptions to the judging procedures set forth for the General Classes are the Garden Club Gardens. There are six this year and they are judged competitively. There will be a blue ribbon given for first, a red for second, a yellow for third and a white for honorable mention.

One final point remains to be made. There is no mystery about the judging. The exhibitors are supplied with the same point score schedules as the judges. Every entrant knows exactly what the judges will be looking for and what values they will place on each feature. As far as is humanly possible, the process has been made fair and equitable. When injustices occur (as they occasionally do) we ask all concerned to remember: To err is human; to forgive, divine.



Insert florist wire up through the stem into the head of the flower. The stem can then be bent while the flower is still fresh.

photo by Edmund B. Gilchrist, Jr. • drawings by Julie Baxendell



Dried flower arrangement by Katherine B. King

CUT AND DRIED

a no-nonsense approach to dried flower arrangements

by Katherine B. King

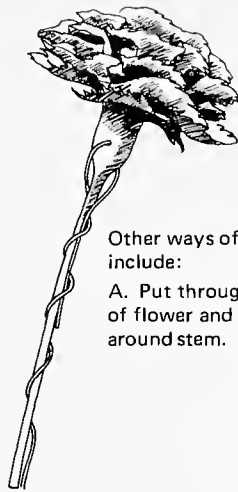
One February our wonderful local florist was featuring some very large, very yellow daffodils; red, red roses; yellow and white freesias; white ranunculas; and beautiful delphinium, all flown in from Holland. They were irresistible; I bought some. A month later they were still irresistible. And I was fortunate enough to win a blue ribbon for the bouquet at the Philadelphia Flower and Garden Show. Of course, it was in the **dried flower arrangements** section of the Show. In May, the same arrangement won a silver bowl for the outstanding blue ribbon winner in the Chestnut Hill Flower Show.

I first started drying flowers several years ago when I came upon a can of silica gel (commercially called Flower Dri) in a florist shop. Silica gel is a desiccant, a substance that has a great affinity for water. I took some home and began to play with it. Through trial and error I have learned to dry almost all varieties of flowers—delphiniums, anemones, euphorbias, freesias, ranunculus, tulips,

lilacs, geraniums, daisies, roses, daffodils, passion flowers, clematis, chrysanthemums, zinnias, azaleas, rhododendrons, lilies-of-the-valley, lilies, gladiolus, salvias, hydrangeas. I have not been able to dry successfully gardenias, petunias or the foliage of begonias and geraniums.

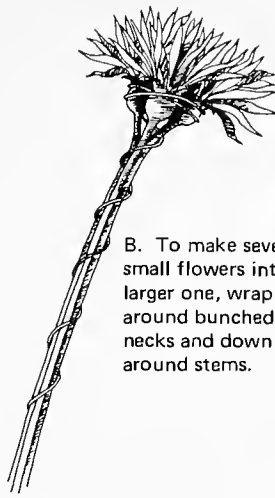
One thing to bear in mind before starting is that flowers shrink when dried. So you will need more dried flowers than fresh to make a bouquet of equivalent size. Many flowers darken when dried, so you will have to experiment with color; e.g., a pink rose may turn mauve, when dried. You will often have to select a flower several shades lighter than the color you want in the final arrangement. You can only develop good colors through practice.

All flowers to be dried should be absolutely fresh whether picked from your garden or purchased at a florist's shop. It is a good idea to dry flowers in several stages; get some buds, some partially open, some fully open and some with foliage.

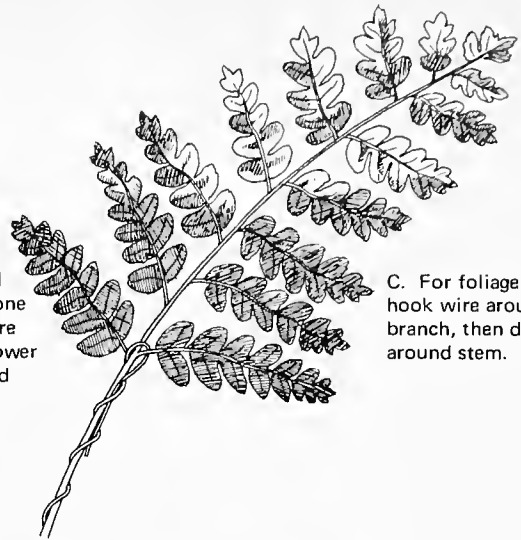


Other ways of wiring include:

A. Put through neck of flower and wrap around stem.



B. To make several small flowers into one larger one, wrap wire around bunched flower necks and down and around stems.



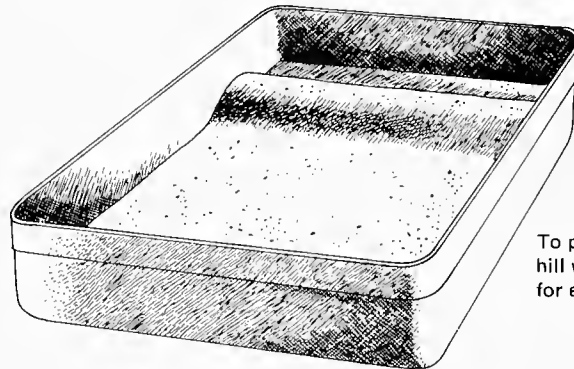
C. For foliage or ferns, hook wire around a branch, then down and around stem.

To do the job, you will need florist wire in several sizes, floral tape, floral clay, a wire cutter, tweezers, a sheet of styrofoam, scissors, boxes with tight lids (I use 14" x 11" x 4" plastic sweater boxes) and a small soft paint brush. For the drying, I use silica gel. Silica gel's capacity to rapidly absorb moisture from flowers is analogous to that of quick freezing food: the rapidity with which the absorption occurs is a factor in preserving color. Slow drying or air drying causes fading. The thirsty white powder has small blue crystals in it. A two-pound can from the florist costs about \$6.00, but it is reusable indefinitely. As the powder absorbs moisture, the blue crystals turn pink indicating that it can absorb no more moisture. If you put the silica gel in the oven at about 350° for an hour or so the crystals will turn blue again and can be reused. **Don't use it unless the crystals are blue.**

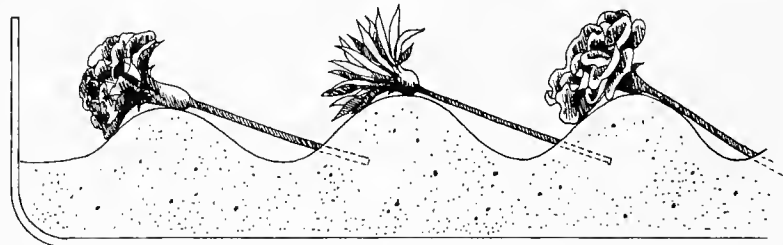
Before drying, flowers must be wired because they are very fragile once dried. Keep as much of the stem as possible. I force the florist wire up the center of the stem, just into the flower head. Once wired, the stem can be bent into a natural curve or kept straight and will dry that way. After the flowers and foliage are wired, lightly cover the bottom of the box with silica. When I've done that, I then make a small hill on which to place the calyx (or neck of the flower) facing upward as it grows. I do this for each flower head until no more flowers can fit in. The individual hill is created so that the flowers will not be flattened by the weight of the powder.

When the hills are complete, I carefully pour more powder around the flowers, letting it fill all the spaces between. It is important to completely bury the flowers, but also to be sure

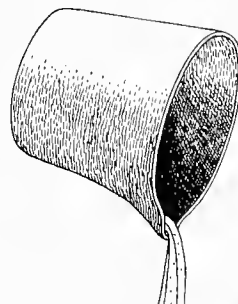
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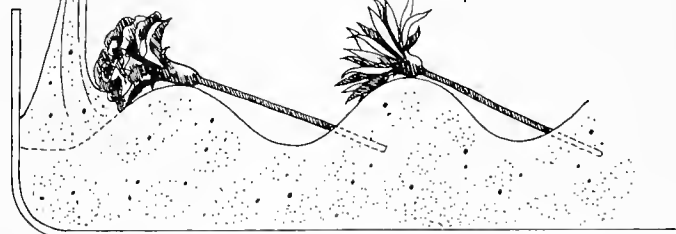
To prepare the box, form a hill with the silica powder for each row of flowers.



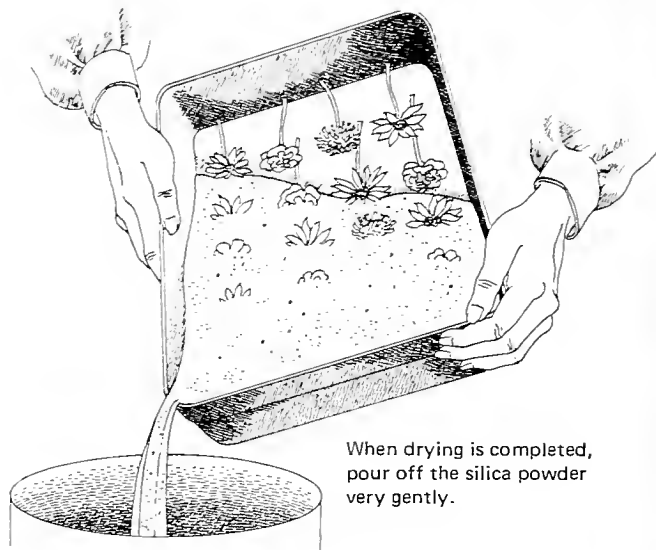
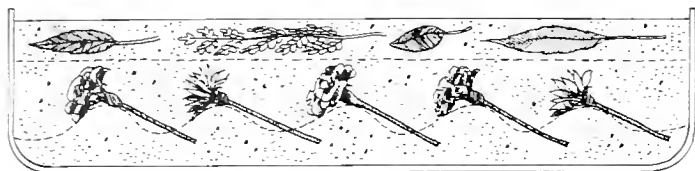
Seen from a side view, the flowers rest on their necks on top of the hills, one row behind another.



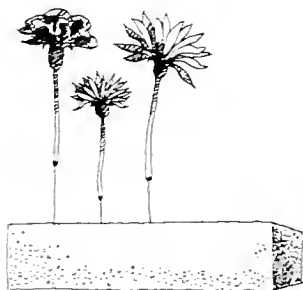
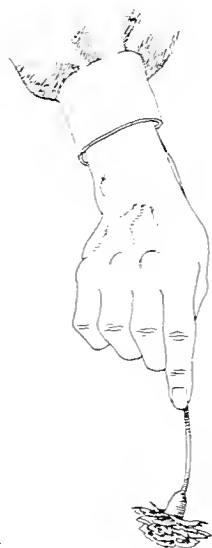
When flowers are all arranged, cover them completely with the silica. Pour it in slowly and carefully so that it fills in around flower without changing its shape.



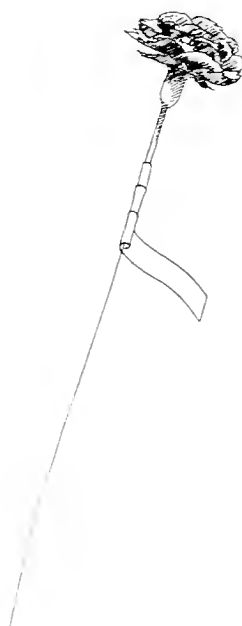
If the box is deep enough, flat foliage like leaves and ferns can be put in another layer on top of the flowers.



When drying is completed, pour off the silica powder very gently.

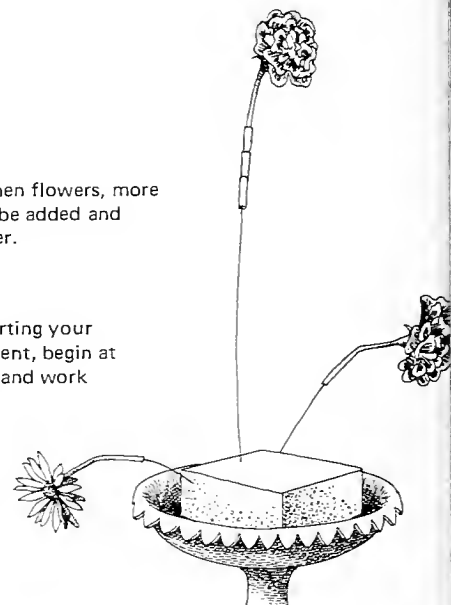


As soon as each flower is uncovered, pick it up carefully by its stem and stick it into the styrofoam for temporary safekeeping.



To lengthen flowers, more wire can be added and taped over.

When starting your arrangement, begin at the back and work forward.



they keep their shape. Put the lid on the box. If the lid is not tight, tape (masking or scotch tape) around it and put it in some out of the way, dry place. Small, fragile flowers will take two to three days. Most other flowers will take five to seven days. When you think they may be thoroughly dried, carefully pour off a little of the powder and gently touch the petals of the first exposed flower. If it feels even slightly limp it is not dried; rebury it for a day or two. If it feels crisp it is done and all powder should be poured off. The excess powder can be tapped off. You may need to remove stubborn powder with a paint brush.

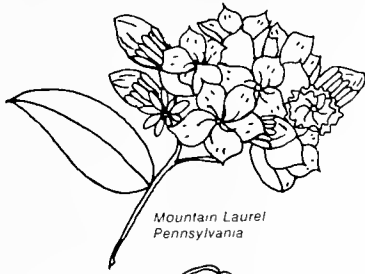
It is best to put the same type of plant material in the same box, foliage either on the bottom or the top. If both large and small flowers are put in

the same box, the smaller, more quickly dried ones can be put on top after the larger ones have been buried. If the box is deep enough several layers can be put in as long as each is completely buried. The top layer can be removed in a few days and the rest left to dry.

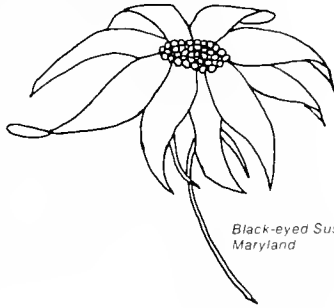
Now that your flowers are all dried, the real fun starts. They are already wired and will, unlike fresh flowers, stay where you put them. After all powder is off, you may want to spray lightly with waterless hair spray or clear plastic. Select your container; imbed a pin point holder in floral clay in the bottom of the container; firmly anchor a piece of styrofoam cut to fill the vase. The wired flowers can be poked into the styrofoam. If you find you need more height, just add more wire. If you need less, just shorten the wired

stem. Start the arrangement at the back and work from back to front so you don't knock the fragile flowers. As the arrangement begins to fill out, it helps to put the wired stems into the styrofoam with the tweezers so there is less danger of bumping the flowers already in the bouquet. Foliage can be used to hide wires. If some petal should fall off your most beautiful bloom don't be discouraged; you can easily glue it back on with Elmer's glue or Sobo glue and no one will be the wiser.

Don't be discouraged if some of your first efforts are less than perfect. Some things will dry nicely and some will not. With silica gel to play with we no longer have to think of dried arrangements in terms of pods, wheat, or dried grasses. Drying flowers is great fun — I hope you will try it.



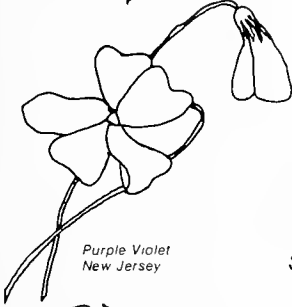
Mountain Laurel
Pennsylvania



Black-eyed Susan
Maryland



Trailing Arbutus
(Mayflower)
Massachusetts



Purple Violet
New Jersey



Dogwood
Virginia

serving the thirteen original states...

and the

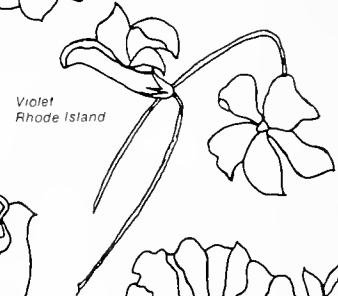
world



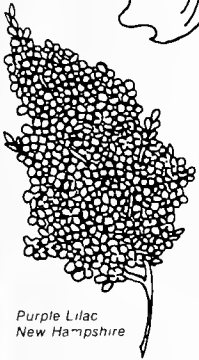
Peach Blossom
Delaware



Dogwood
North Carolina



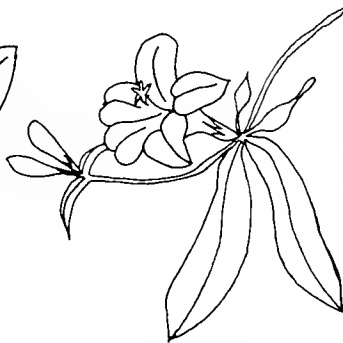
Violet
Rhode Island



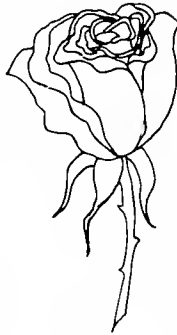
Purple Lilac
New Hampshire



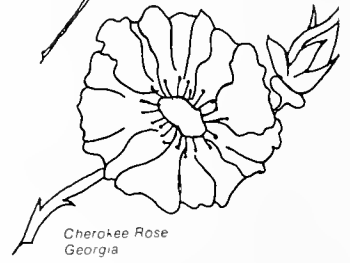
Mountain Laurel
Connecticut



Yellow Jessamine
South Carolina



Red Rose
New York



Cherokee Rose
Georgia

Alexander & Alexander

Insurance Brokers/Agents
and Consultants

225 Public Ledger Building
Philadelphia, Pennsylvania 19106



THE HORTICOURT

Last year almost 1,100 greenhouse or houseplant entries were made in the horticultural classes by 196 exhibitors; 103 of the exhibitors were new to the Show. A special competitive spirit, camaraderie and sharing develops between the Horticulturist exhibitors that extends beyond the Show.

Each horticultural class or category has a personality of its own. For example, this is the first year the bulb section will be self-judged. That is, the people making the entries will judge themselves. The decision came when the exhibitors in that category persisted in their view that no one could judge the conditions and circumstances under which their plants were grown as well as they could.

If you visit this section of the Show year after year, you will find that significant horticultural trends can be noted: for example, a couple of years ago, beautifully designed terrariums were the rage; another year the skillfully and meticulously constructed topiaries were paramount. Last year plants that drew the strongest current of interest were the

alpiners, particularly those grown from seed.

That is not to say that any of these sections do not continue each year to draw interest, but it would be possible for scholars to extrapolate some general conclusions about horticultural interests at a given time by charting the type of entries in this section over a decade or the next 25 years.

Other exhibits that are generally popular in this section of the Show are the miniature landscapes and the challenge classes, where participants are each given the same kinds of plants or bulbs simultaneously and produce significantly different results at Show time.

This section encourages the neophyte and reaffirms the commitment of the amateur exhibitor and visitor to the Show. One of its educational benefits, and until recently unique to the Philadelphia Show, is the clear and accurate labeling of each plant. For many it is the first opportunity to encounter beautifully grown and unusual plants outside of books or pictures.



photo by Edmund B. Gilchrist, Jr.

horticultural classes in the horticulturist

ENTERED AND JUDGED

Saturday, March 4; Tuesday, March 7; Friday, March 10
(Exhibitors can enter plants listed in this section on one or all of the dates listed.)

Forced and shown in 3-in. pot
Miniature trumpet narcissus, Little Beauty

Grown and shown in 6-in. pot
Amaryllis

Forced and shown in an 8-in. bulb pan

or 8-in. azalea pot

Trumpet narcissus, Golden Harvest

Large cup narcissus, Armada

Tazetta narcissus, Cragford

Hyacinth, L'Innocence

Tulip, DeWet

Any named variety of hardy bulb not listed above: (a) minor or miniature, (b) narcissus, (c) hyacinth, (d) tulip, (e) muscari, (f) crocus, (g) other

GENERAL HORTICULTURAL CLASSES

Containers under 8 inches:

- Flowering or fruiting plant(s)
- Herbaceous foliage plant(s)
- Flowering or fruiting woody plants(s): (a) formal, (b) informal
- Woody foliage plant(s): (a) formal, (b) informal

Containers 8 inches and over:

- Flowering or fruiting plant(s)
- Herbaceous foliage plant(s)
- Flower or fruiting woody plant(s): (a) formal, (b) Informal
- Woody foliage: (a) formal, (b) informal
- Hanging container. Flowering or fruiting plant(s)
Container: (a) 6 in. and under, (b) over 6 in.
- Hanging container. Herbaceous foliage plant(s)
Container: (a) 6 in. and under, (b) over 6 in.
- Hanging container. Specimen fern
Container: (a) 6 in. and under, (b) over 6 in.
- Specimen plant grown under fluorescent light:
(a) flowering or fruiting, (b) foliage

ENTERED AND JUDGED

Saturday, March 4

(To be removed Tuesday, March 7)

- Window box (rejudged on Tuesday)
- Botanical family
- Miniature plant garden (minimum of three plants)
- Strawberry jar
- Terrarium (to be removed on Friday)
- Specimen begonia: (a) flowering, (b) foliage
- Specimen fern: (a) hardy, (b) tender
- Specimen cactus. Container under 6 in.: (a) flowering, (b) non-flowering
- Specimen succulent: (a) flowering, (b) non-flowering
- Plant material trained in three dimensions: (a) topiary (plant grown from a single stem), (b) on a stuffed form, (c) multistemmed plant
- Rock garden plant raised from seed by the exhibitor
- Rock garden plant raised from cutting by the exhibitor
- Herb culinary: (a) formal, (b) informal
- Herb, other than culinary: (a) formal, (b) informal

SPECIMEN ORCHID CLASS

To remain in place throughout the Show

- Cattleya alliance
- Paphiopedilum: (a) hybrid, (b) species
- Phalaenopsis alliance
- Vanda alliance
- Odontoglossum alliance
- Cymbidium: (a) standard, (b) miniature

- Dendrobium
- Epidendrum
- Oncidium
- Any other species not listed

BONSAI

The bonsai will be critiqued but not judged and will remain in place throughout the Show.

ENTERED AND JUDGED

Tuesday, March 7

(To be removed Friday, March 10)

- Window box
- Windowsill collection (sunny)
- Miniature landscape
- Strawberry jar
- Specimen gesneriad
- Specimen begonia: (a) flowering, (b) foliage
- Specimen fern: (a) hardy, (b) tender
- Specimen cactus: (a) flowering, (b) non-flowering
- Specimen succulent: (a) flowering, (b) non-flowering
- Vines or climber(s): (a) ivy, (b) any other plant material
- Rock garden cushion plant: (a) saxifraga, (b) other
- Specimen bromeliad
- Plant grown in the house (container under 8 in.):
(a) flowering and fruiting, (b) foliage
- Three plants in bloom
- Identical plants in separate containers: (a) flowering or fruiting, (b) foliage

ENTERED AND JUDGED

Friday, March 10

- Windowsill collection (shady)
- Succulent plant garden or landscape (containing minimum of three plants)
- Cyclamen challenge class
- Terrarium
- Specimen begonia: (a) flowering, (b) foliage
- Specimen geranium: (a) less than 8 in. excluding flowers, (b) 8 in. or over
- Herbaceous perennial in bloom
- Novice class: (a) flowering or fruiting, (b) foliage
- Espalier: (a) flowering or fruiting, (b) foliage
- Rock garden plant
- Dwarf conifer
- Plant grown in the house (container 8 in. or over):
(a) flowering or fruiting, (b) foliage
- Plants for terrace decoration (in a single container):
(a) flowering or fruiting, (b) foliage, (c) cactus or succulent
- Plants for terrace decoration (trained on a form)
(a) flowering or fruiting, (b) foliage



SPECIAL EXHIBITORS

ACME MARKETS, INC.

124 N. 15th Street
Philadelphia, Pa. 19101
William G. Bradley, Chair

TROPICAL FRUITS OF THE AMERICAS

Baskets full of luscious tropical fruits—papayas, Persian limes, mangoes, avocados, and bananas—encourage you to make believe you're in a thriving marketplace in the sunny tropics. Fifty fruit-bearing pineapple plants are all around and just yonder is a cottage made of natural material. Look for small signs telling the history of each plant.

CONCERNED AREA RESIDENTS FOR PRESERVATION OF TINICUM MARSH (CARP, INC.) and LEAGUE OF WOMEN VOTERS OF DELAWARE COUNTY

P.O. Box 131
Glenolden, Pa. 19036
Jean Diehl and Rosalie Peirsol, Co-Chairs

TINICUM MARSH: A TREASURE CHEST IN OUR BACKYARD

America's first national environmental center and the last tidal marsh in Pennsylvania still needs financial support in order to annex more land. The marsh plants gathered here are some you've probably passed driving on I-95. See what else you've blindly whizzed by; take a few minutes with the continuous slide show of Tinicum's treasures.

FAIRMOUNT PARK COMMISSION

Horticulture Division
Memorial Hall, West Park
Philadelphia, Pa. 19131
Robert C. McConnell and William E. Mifflin, Co-Chairs

THE COVERED BRIDGE

Covered bridges are getting rarer all the time, but there's one for Philadelphians to cross on the Forbidden Drive of Wissahickon Park. Hemlocks, wild daisies, ferns, white azaleas and rhododendrons make up a true-to-nature setting for a painted mural of this historic bridge in a valley declared a national historic landmark by the National Park Service.

MARTIN'S AQUARIUM

101 Old York Road
Jenkintown, Pa. 19046
Joel Zisholtz and Robert Weintraub, Co-Chairs

THE QUIET WORLD BENEATH THE SEA

Meet nature's underwater handiwork which is seldom seen by terrestrial beings. Here is an extraordinary walk-through view of aquariums decorated in a natural underwater setting using native aquatic plants, driftwood, sea anemones, and

corals from the world over.

MEADOWBROOK FARMS

Meadowbrook, Pa. 19046
J. Liddon Pennock, Jr., Chair

AN ARCADE OF HANGING BASKETS

The 1978 Philadelphia Flower and Garden Show's architectural centerpiece is overflowing with begonias, fuchsias, and marguerites. Topping off the arcade are containers of topiary-like plant materials.

THE PENNSYLVANIA SOCIETY FOR THE PREVENTION OF CRUELTY TO ANIMALS

350 East Erie Avenue
Philadelphia, Pa. 19134
Eloise G. Danenhower, Chair

NOAH'S ARK ON MOUNT ARARAT

No doubt about it, Noah put some thought into the irreversible problems of animal extinction. Today, PSPCA is equally concerned with saving endangered species and preventing overpopulation. Peek through this grounded ark's porthole and find a litter of playful puppies needing a home. Hope is a dove with an olive branch and a rainbow.

PHILADELPHIA FIRE DEPARTMENT

Third and Spring Garden Streets
Philadelphia, Pa. 19123
Captain Joseph G. Worton, Chair

FIREFIGHTING HISTORY COMES ALIVE

Picture yourself at Fireman's Hall amid none other than Fire King roses. Charming models of antique pumbers and a bronze statue of a fireman holding a hose that actually squirts water takes you back in time and suggests a trip to the Philadelphia Fire Department's museum.

ZOOLOGICAL SOCIETY OF PHILADELPHIA

34th Street and Girard Avenue
Philadelphia, Pa. 19104
Charles W. Rogers, Jr., Chair

FROM AZALEAS TO ZEBRA FINCH

Flora and fauna were made for each other, and the Philadelphia Zoo likes to think of itself as a zoological and horticultural oasis in the big city. To illustrate its point, this exhibit brings together a trio of fascinating elements: A pair of unicorns by sculptor Henry Mitchell prance amid begonias and evergreens; finches warble in the plant-filled tropical house; and colorful ducks paddle in a pond reflecting the neighboring azaleas and rhododendrons.



JOIN SOCIETY
GROW WITH SOCIETY

The Pennsylvania Horticultural Society

Some Upcoming Spring Activities

- Field trips to three botanic gardens in New York and Philadelphia
- A garden tour in Washington, D.C.
- Short courses in flower arranging and bonsai at our headquarters in Independence National Historical Park
- Garden, greenhouse and indoor garden visits in the Delaware Valley
- A 10-day trip to California
- An evening at the zoo

You Just Missed These Activities

- Our trip to Egypt
- Harvest Show
- Holiday Show
- Pressed plant workshops
- Wreath clinic
- Three session container gardening course
- Collecting trip to Pine Barrens and much more

Some Other Benefits

- Largest horticultural library in Delaware Valley
- Monthly newsletter about horticultural activities
- Bimonthly, 32-page, four color magazine, *Green Scene*
- Free ticket to Flower & Garden Show and Harvest Show
- Horticultural Hotline

19



Detach and Return

APPLICATION FOR MEMBERSHIP

Membership Year, Jan. 1 - Dec. 31

- | | |
|---|--|
| <input type="checkbox"/> STUDENT MEMBERSHIP \$ 7.50 | <input type="checkbox"/> CONTRIBUTING MEMBERSHIP . \$ 35.00 |
| <input type="checkbox"/> ANNUAL MEMBERSHIP \$15.00 | <input type="checkbox"/> SUSTAINING MEMBERSHIP . . \$ 50.00 |
| <input type="checkbox"/> FAMILY MEMBERSHIP \$20.00 | <input type="checkbox"/> LIFE MEMBERSHIP \$300.00
(one payment) |

NAME

ADDRESS

CITY

STATE

ZIP

Please make checks payable to: THE PENNSYLVANIA HORTICULTURAL SOCIETY



PLANT SOCIETY EXHIBITORS

AFRICAN VIOLET SOCIETY OF PHILADELPHIA

2050 East Orleans Street
Philadelphia, Pa. 19134
Tom Seiler, Chair

GROWING STAGES

This exhibit follows the growing stages of the African violet. Society members will be on hand to answer questions and advise fellow African violet lovers.

AMERICAN RHODODENDRON SOCIETY

Philadelphia and Valley Forge Chapters
Kresson-Gibbsboro Road
Marlton, N.J. 08053
Ted Stecki and Ed Collins, Co-Chairs

RHODODENDRONS IN THE GARDEN

See how exotic rhododendrons and azaleas can be. The variety here ranges from dwarf to full-size specimens that might impress the rhododendron buff as well as the casual onlooker. Members of this organization are available to discuss techniques of planting, pruning, cultivation, and disease control.

AMERICAN ROCK GARDEN SOCIETY

Delaware Valley Chapter
1421 Ship Road
West Chester, Pa. 19380
William L. Collins, Chair

A ROCK GARDEN

Here is a rock garden in progress, showing the stages of construction and planting. A cut-away view reveals what materials should be under and around the rocks and how to position them to the plants' advantage. Separate displays feature samples of basic building materials and plant propagation. For the landless, ARGS provides information on how to make a mini rock garden in a container.

DELAWARE VALLEY FERN SOCIETY

2976 Dorman Road
Broomall, Pa. 19008
Mrs. George R. Shaefer, Chair

WHY FERNS?

Consider adding ferns to your indoor and outdoor gardens; they will add variations in size, form, and texture to your garden pattern. Planted in the correct way and in the suitable place, a fern is a permanent garden plant. We are showing you the nature of a few of the estimated 10,000 members of the fern "family."

GREATER PHILADELPHIA ORCHID SOCIETY

1806 Earlington Road
Havertown, Pa. 19083
Carole J. DeHart and John Slowick, Co-Chair

LIVING WITH ORCHIDS

Orchids are among the most demanding flora you'll ever

invite home to stay. This exhibit shows how they can be grown under lights and in an attractive greenhouse. For starters, look for paphiopedilum and phalaenopsis under lights and cymbidium in the dining room.

HERB SOCIETY OF AMERICA

Philadelphia Unit
c/o Pennsylvania Horticultural Society
325 Walnut Street
Philadelphia, Pa. 19106
Mrs. Bernard W. Fox, Chair

HERBS ARE FOR EVERYONE EVERYWHERE

Versatile—that's herbs. They are adaptable to a contemporary or traditional setting, will thrive in shady areas as well as sunny spots. Herbs can be grown informally or trimmed into hedges and topiaries, can be large trees, shrubs or creeping mats. When space or inclination dictates, herbs can be successfully grown in pots and hanging baskets indoors and out. See if you aren't convinced that herbs are an important adjunct to landscape design as well as a tasty addition to soups and stews.

INDOOR LIGHT GARDENING SOCIETY

2050 East Orleans Street
Philadelphia, Pa. 19134
Tom Seiler, Chair

INDOOR GARDENING STYLES

A darkened room with vignettes of styles of gardening under fluorescent lights make up this walk-through exhibit. It will perk up the mind as well as the eye.

PENNSYLVANIA BONSAI SOCIETY

Chase Rosade
Box 303, Ely Road, R.D. 1
New Hope, Pa. 18938
Ralph R. Walker, Chair

BONSAI EXHIBIT

Patience, ingenuity, and creativity are the bywords of the bonsai artist. This increasingly popular form of Japanese horticulture ranges, as this dazzling display shows, from *mame* with trees that are perhaps no taller than three inches to the windswept style to the fairly large, formal, upright trees. All of these specimens come from area private collections.

PHILADELPHIA CACTUS AND SUCCULENT SOCIETY

Morris Arboretum
9414 Meadowbrook Avenue
Philadelphia, Pa. 19118
Henry Gisser, Chair

CACTI AND SUCCULENTS IN THEIR NATURAL ENVIRONMENTS

Natural habitats for cacti and succulents take the stage here. Supporting roles are played in appropriate places by a wide range of environmental variables: temperature, light intensity, relative humidity, liquid water availability, to name a few.

PHILADELPHIA AREA DAFFODIL SOCIETY

124 Lincoln Terrace
Norristown, Pa. 19401
Barbara W. Haines, Chair

LILLIPUTIAN LANDSCAPE

Miniature daffodils capture the imagination just as Lilliputians caught Gulliver. Shown off by dwarf evergreens and other compact, ground-hugging plants, these cheery blooms would attract admiring glances at an apartment entrance or on a terrace. As a raised bed, this diminutive landscape could be maintained with ease by a handicapped person. A host of seasonal flowering plants will keep this garden colorful.

SOUTHEASTERN PENNSYLVANIA ORCHID SOCIETY

510 Lionville Road
Downingtown, Pa. 19335
Eric E. Bittmann, Chair

BEAUTY OF THE PAST

Ole! Visit a cool and tranquil corner south of the border. A hacienda is the background for a burst of orchids that have long since taken over this garden. A silver stream gurgles its way through the scene.

Pachysandra
Ivy, Vinca
Euonymus

In Variety

hansen's
Ground Covers

West Chester, Pa. 19380
215 436-5543

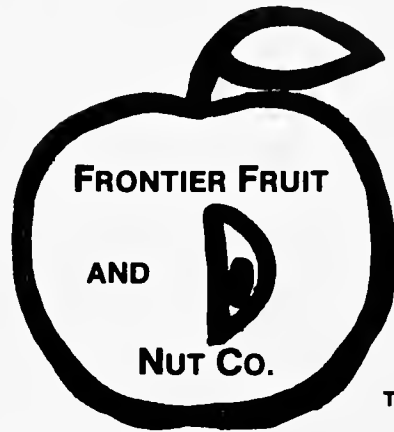
BONSAI SHOP



Community Arts Center

414 Plush Mill Road • Wallingford, Pa. 19086

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Apples, Apricots, Pineapple, Dates, Raisins,
Coconut
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Almonds, Cashews, Filberts, Walnuts, Peanuts,
Sunflower Seeds. All raw and unsalted.
- C. Pro Mix - 3 lbs. \$11.75
Bananas, Raisins, Walnuts, Peanuts. A quick
energy snack anytime. Fantastic!
- D. Hollywood Mix - 3 lbs. \$11.75
Fruits and Nuts with Coconut
- E. Apricots - Whole and sun-dried \$3.98 lb.
- F. Pineapple Rings - Honey-dipped \$3.98 lb.
- G. Apples - Unsulfured and naturally delicious . . \$3.98 lb.
- H. Banana Chips - Crispy and light \$3.98 lb.
- I. Papaya - A tropical delicacy \$3.98 lb.

21

- A. ___ lbs. \$ ___ D. ___ lbs. \$ ___ G. ___ lbs. \$ ___
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FLORAL EXHIBITORS

ALLIED FLORISTS OF DELAWARE VALLEY

426 Pennsylvania Avenue
Fort Washington, Pa. 19034
Robert Cullers, Chair
Staged by: William R. Taylor
Penny Hill Flower Shop
1521 Concord Pike
Wilmington, Del. 19803

TODAY'S FLOWER SHOP

Stop and think for a moment about a world without flowers. And then how nice it would be if bouquets and planters were part of each of our daily lives. A foray into this contemporary flower shop with a full range of services and a section of quality European merchandise makes it possible.

FLORISTS TRANSWORLD DELIVERY ASSOCIATION

10783 Bustleton Avenue
Philadelphia, Pa. 19116
Alfred Lucchine, Chair (Alfred of the Sheraton)

A CAROUSEL OF FTD

Festive flowers for festival days or every day. Extra special arrangements to enhance your holiday table or quality standard bouquets for that quiet dinner for two are on the FTD carousel. What you see is what you get when you wire flowers through FTD.

C. DEAN POLITES FLORAL COMPANY, INC.

42 Garrett Road
Upper Darby, Pa. 19082
C. Dean Polites, Chair

DINNER PARTY

This appetizing dining room conjures the splendor of the Victorian era, in part, by using authentic period pieces. A three-layered centerpiece, in proportion to the large-scale table, artfully combines Rubrum lilies, roses, and dripping green grapes. A mirror doubles our appreciation of a dried flower arrangement set against it.

ROTHER-WOLTEMATE FLOWERS

345 East Mount Airy Avenue
Philadelphia, Pa. 19119

FLOWER SHOP OF YESTERDAY

See what a flower shop would have looked—and smelled—like in the early 1900's. The flowers and plants may be familiar, but antique accents and turn-of-the-century designs should recreate the feeling of a bygone era.

GEORGE ROBERTSON AND SONS, INC.

8501 Germantown Avenue
Philadelphia, Pa. 19118
Bruce Robertson, Chair

TROPICAL PARADISE

Transport yourself to this tropical paradise. Step onto an island beaming with unusual and striking tropical flowers, a smattering of orchids among them.

ROSES, INC.

315 Byberry Road
Hatboro, Pa. 19040
Lewis D. Reininger, Chair
Staged by: LeRoy's Flowers
16 North York Road
Hatboro, Pa. 19040

ROSES, AMERICA'S FAVORITE

The new and the old are happily married here: The newest commercially available roses and a sense of days gone by in America. Antiques and memorabilia, such as a player piano and old sheet music of rose-y song, accent a sea of roses of all colors, sizes, and stages of development.

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AFRICAN VIOLETS AND GESNERIADS

- ★ SEE OUR BOOTH AT THE FLOWER SHOW
- ★ VISIT OUR FASCINATING GREENHOUSES
- ★ WRITE FOR COLOR CATALOGUE (15¢)

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Huntingdon Valley, Penna. 19006

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THE GREEN PLANET



SPECIAL EDITION VOL. 1 NO. 4 ★ September 1, 1975 ★

★ PRINTED BY THE PLANT PLACE 2109 WALNUT STREET PHILADELPHIA 364-683

Now Every Day's A Field Day At Plant Place Greenhouse



40% Discounts, Cameraderie, Draw Plant Lovers To Roxborough

A few short months ago the Plant Place opened its commercial greenhouse to the public, and announced a 40% across-the-board reduction on retail prices there.

Things haven't been the same since!

Any day of the week, you can find scores of Delaware Valley green-thumbers and their families browsing through the sprawling Roxborough greenhouse. It's been rumored that the much-advertised 40% figure is a conservative one, with discounts often ranging even lower. This would certainly account for the enthusiastic crowds.

"Sometimes it feels like we're having a community get-together in the country," marveled Plant Place owner Gary McClain. "People have the best time wandering up and down the aisles, telling plant stories to perfect strangers, getting dirt on their shoes!"

For all the high-spirited informality, it's still the prospect of saving a bundle that has people coming back to the greenhouse on a regular basis. Besides the staggering inventory of plants of all sizes and descriptions, there are loads of accessories, pots, hangers, plant foods and literature.

For anyone who brings in a sickly plant, a free "outpatient" plant clinic is on hand to bring it back to health. And real bargain hunters can always save 50% on the Special of the Month!

McClain likes to feel he's made a real contribution to solving the nation's economic woes. "For us, business is great," he beams. "So much for recession! For our customers, the savings are great. So much for inflation!" It's an arrangement that suits area plant lovers just fine.

23

Every day is a good day to save 40% and have a grand old time plant shopping at the Plant Place Greenhouse, down Seville St. at 5500 Ridge Ave., in Roxborough. (Lost? Call 487-1515.) Open 8 to 5 daily. The 21st & Walnut St. store open Mon. thru Sat., 9 to 5. Sundays, noon to 5.

The largest Sunflower on record measured 8 feet across from petal to petal. Source: The Pinnochio Book of World Records.

Interested in Orchids?

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The Southeastern Pennsylvania Orchid Society



An organization dedicated to increasing the pleasures of orchid growing.

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Monthly meetings combine informative programs, plant displays, and sociability. Come to one of our meetings for your own preview.

Meetings are held the second Wednesday of each month at

The Nurses Auditorium of Bryn Mawr Hospital
Bryn Mawr, Pa. 8:00 P.M.
For further information call 688-1237.



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- discover marine life forms at Shark River
- collect wild, edible plants in Montgomery County
- observe the effects of geologic forces at Valley Green
- enjoy the tropical climate of Longwood Gardens Conservatory

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19th & the Parkway, Phila., PA 19103 (215) 299-1054

Contributed by the Women's Committee of the Academy of Natural Sciences



EDUCATIONAL EXHIBITORS

W. ATLEE BURPEE COMPANY

300 Park Avenue
Warminster, Pa. 18974
Jeannette Lowe, Chair

BURPEE'S GARDEN FOR ALL AGES

Vegetable and flower gardens cultivated by gardeners at three stages of life. A child's garden can be fun as well as educational if pole beans are coaxed into wigwam forms and a sandbox is converted to a planter box. American marigolds flourish in the adult's greenhouse; outside, fine varieties of flowers and vegetables grow in conventional rows, and other methods make the best use of available space. The retiree's garden is an extension of a patio with easy-to-reach-and-care-for raised beds and containers.

THE BANCROFT COMMUNITY

Rt. 581, Commissioners Pike
Mullica Hill, N.J. 08062
Jon R. Tullis, Chair

SOW IT SO IT GROWS!

Start with the right tools and techniques for building or renovating your lawn. A display of a good cross section of implements stored in a tool house in this garden area is a springboard to exhibits on seeding, patching and sodding.

DELAWARE VALLEY COLLEGE OF SCIENCE AND AGRICULTURE

Doylestown, Pa. 18901
John C. Mertz, Chair

A FLOWER IS . . .

Just what is a flower? It is more than a color, more than a shape. See the delicate structure of blossoms; learn the function of each part. Discover how plants know when to bloom, how they reproduce. Representatives are on hand with information on planning a continuously blooming, glorious garden.

FRIENDS HOSPITAL

Roosevelt Boulevard and Adams Avenue
Philadelphia, Pa. 19124
Nancy Schmale, Chair

PLANT MATERIALS THAT PROVIDE SENSORY STIMULATION

Horticulture Therapy is an unusual and important program at Friends Hospital where plant materials provide stimulation to all five senses. Discover the benefits of activities that increase our awareness of the green world around us.

IKEBANA INTERNATIONAL

Philadelphia Chapter
c/o Mrs. George B. Zurheide
670 Bair Road
Berwyn, Pa. 19312
Mei Liao and Ellen C. Widmayer, Co-Chairs

FRIENDSHIP THROUGH FLOWERS

Immerse yourself in a centuries-old Japanese art form, Ikebana and its three major schools. The first, Ikenobo means Temple by the Pond; it traces its origins back to royalty

and is the most formal and highly developed of the three styles. Ohara, established by a master of that name about 80 years ago, depicts, like Ikenobo, traditionally and conservatively nature's glory and reality. Sogetsu reflects Western influences and more freely interprets the general tenet that the flower arrangement must convey a sense of harmony between nature and humanity.

HOMELAND INDUSTRIES, INC.

271 Devoe Street
Brooklyn, N.Y. 11211
Barry J. Piesner, Chair

HYDROPONICS/MODULEPONICS

See what gardening of the future will be like in this introduction to the use of hydroponics. An attractive display of a variety of plant material grows here in the moduleponic system: Completely automatic gardening with timing controls to regulate the supply of air, nutrients, and light. This system is designed for indoor and outdoor use.

INTERNATIONAL SOCIETY OF ARBORICULTURE

Pennsylvania-Delaware Chapter
P.O. Box 84
Catasauqua, Pa. 18032
Edward Martin, Chair

TREE CARE

Protect your trees and nurse them when wounded is the message here. Trees that lean or have poor crotch formations are prone to break during heavy ice, snow and wind storms. As demonstrated here, properly installed cables can prevent that. Cavities caused by poor pruning, or a blow from a car or lightning must be treated by one of several methods shown in this exhibit. Tree-climbing tools and apparatus, including durable, rubber-soled shoes that won't damage the tree's bark, will be on display.

MERCER COUNTY COMMUNITY COLLEGE

P.O. Box B
Trenton, N.J. 08690
Matthew Rosen, Chair

A GARDEN FOR THE SENSES

See, touch, taste, smell, say the plants in this exhibit. Savor the taste of peppermint and sweet birch, for example. Stroke the winged wahoo and sniff the Dutch hyacinth and star magnolia. Every garden should be so sensual.

MORRIS ARBORETUM

9414 Meadowbrook Avenue
Philadelphia, Pa. 19118
Paul W. Meyer, Chair

ROOTS

Although roots are critical to a tree's life and vigor, they are probably its most neglected part. This exhibit graphically examines the functions and needs of roots as well as horticultural practices that inspire healthy root growth.

PACIFIC TROPICAL BOTANICAL GARDEN

P.O. Box 340
Lawai, Kauai, Hawaii 96765
Mrs. C. Madison Riley, Jr., Chair

A TROPICAL GARDEN FOR THE NATION

A potpourri of tropical flowers and fruits from this private, nonprofit organization points out some possible ethnobotanical uses. Get acquainted with this unusual garden's programs, publications, and grounds development.

PENNSYLVANIA HORTICULTURAL SOCIETY

325 Walnut Street
Philadelphia, Pa. 19106
Ed Lindemann, Chair

PHS SOLAR GREENHOUSE

This new concept in greenhouse construction and maintenance with emphasis on energy conservation was designed and engineered by Jerry Olkus. Summer and winter settings show this unique greenhouse's workability and versatility. During warm weather, it's a screen room; for the length of the coldest months, it's solar heated. Graphics show the practical features of how a solar heating system works.

THE PENNSYLVANIA STATE UNIVERSITY

Cooperative Extension Service
University Park, Pa. 16802
James K. Rathmell, Jr., Chair

CONTAINER GARDENING

Plants in containers have a special decorative appeal. But there's an art to matching the container to the chosen plant and then placing them in a suitable spot. Container gardening offers every gardener a chance to be creative.

PHILADELPHIA ELECTRIC COMPANY

4040 Chestnut Street
Philadelphia, Pa. 19104
Warren E. Baumgartner, Chair

LAND USE UNDER TRANSMISSION LINES

We of the 20th century cannot do without electric transmission lines and this exhibit has some bright ideas about how to use the land beneath those lines. Scale models offer agricultural, nursery, and recreational alternatives, all of which are backed up by photographs and additional applications.

PHILADELPHIA WATER DEPARTMENT

c/o Bi-Product Systems, Inc.
122 S. Church Street
West Chester, Pa. 19380
Frank Post, Chair

PHILORGANIC

Philorganic is an organic soil conditioner developed through special operations on waste water. After turning the waste

into a peat-like material, Philorganic can be used in gardens, lawns and house plantings. It increases the tilth of the soil, its ability to hold moisture and promotes plant growth.

PENNSYLVANIA NURSERYMEN'S ASSOCIATION

E-1 Region
Martin Brooks, Chair
235 Cherry Lane
Doylestown, Pa. 18901
Staged by: Jack Roth and Gerhard Hansen
Gardens of Paradise
R.D. 2
Paradise, Pa.

DRY STREAM: SOLVING A DRAINAGE PROBLEM

Here's a practical leap over that hurdle called poor drainage. A garden and dwarf conifers eliminate repeated erosion and flooding in a rolling plot.

ROSADE BONSAI STUDIO

303 Ely Road, R.D. 1
New Hope, Pa. 18938
F. Chase Rosade, Chair

BONSAI: FROM START TO FINISH

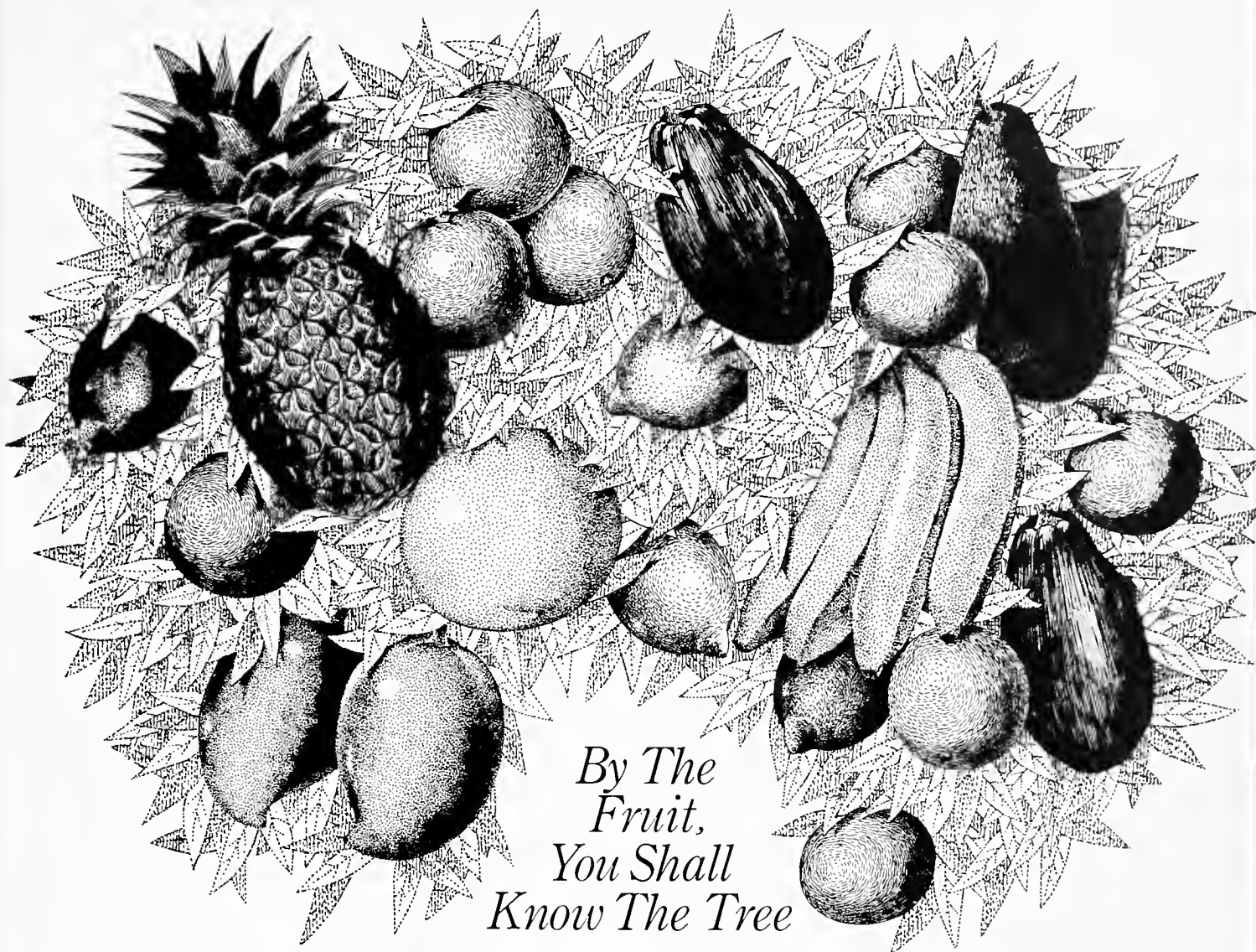
Some of the mysteries of bonsai may be solved for you here. Trace the juniper through its painstaking development — from cutting to pruning and wiring to potting. Watch an expert at work on a juniper in training.

TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION

Department of Horticulture and Landscape Design
Meetinghouse Road
Ambler, Pa. 19002
Glenn B. Geer, Chair

ORIGINS OF ORNAMENTAL PLANTS

The plants we take for granted may have come from exotic far away places. Take the Amanagowa cherry from Asia and the Blue Atlas cedar from North Africa, for example. Compare the Japanese yew with the less common English weeping yew. North America has its fair share of native plants, including the white pine and the *Magnolia grandiflora*. This display also celebrates the achievements of several plant explorers, among them the 18th century American botanist John Bartram, who exchanged plants with his English friend and colleague Peter Collinson.



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You Shall
Know The Tree*

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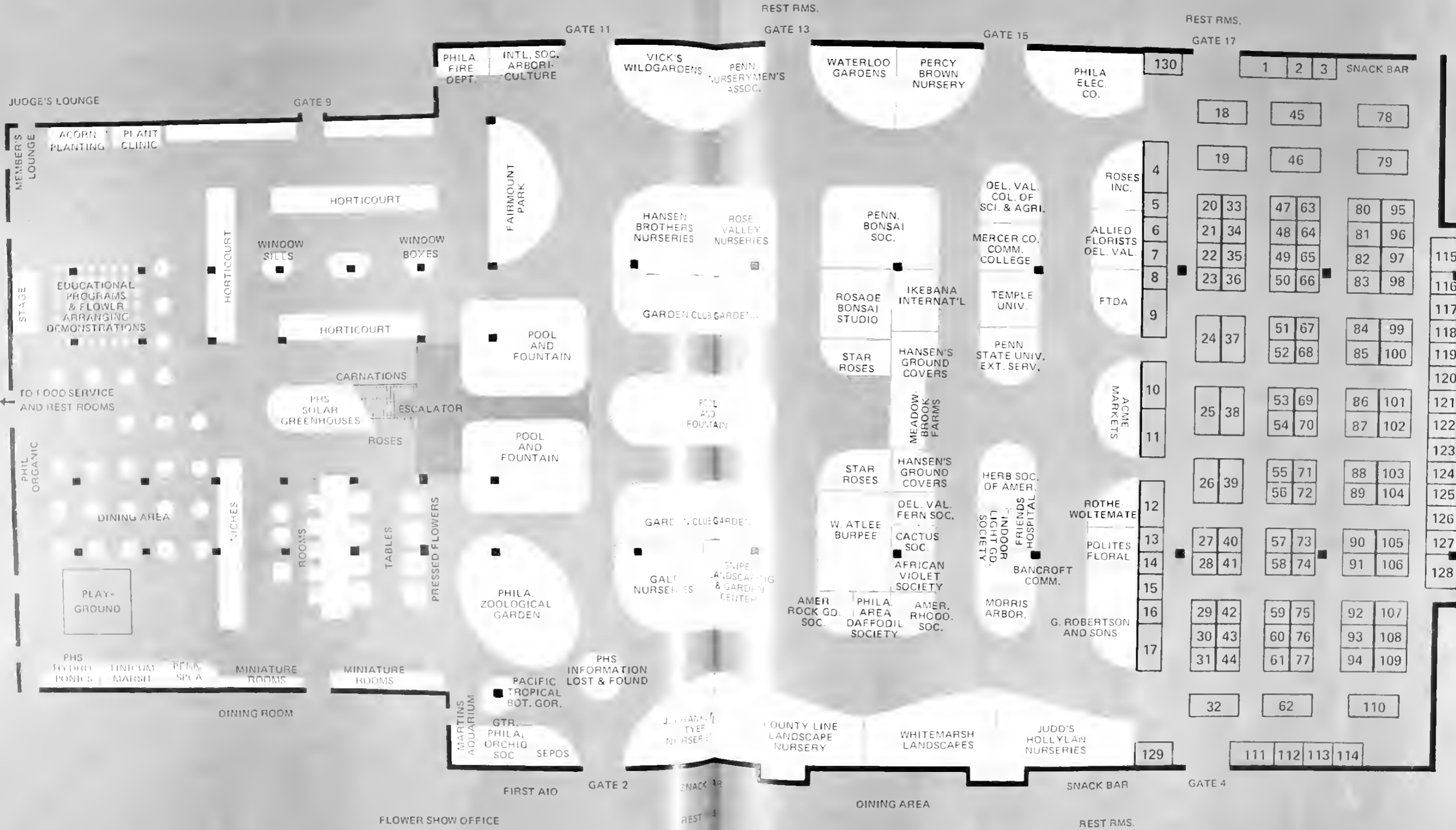
Come soon, and find the tropical fruits you saw at our Flower Show exhibit . . . and more! You'll find a tremendous variety of fine fruits and vegetables from all over the America's . . . plus a vast array of healthy, flourishing plants . . . we're a lot more than people may expect.

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29	42		59	75		92	107
30	43		60	76		93	108
31	44		61	77		94	109
32			62			110	
129			111	112	113	114	

See Exhibitor's Index on page 56.

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NURSERY EXHIBITORS

COUNTY LINE LANDSCAPE NURSERY

805 Harleysville Pike
Harleysville, Pa. 19438
Herbert Bieberfeld, Chair

DINNER AT EIGHT

Glamour comes to the garden set for a romantic evening among friends. Contemporary living calls for plenty of exposure to the outdoors, day or night, and this environment is nothing short of inviting. It's complete with a cooking grill built into the house's chimney, a trio of stepped-up decks, and a rock-ringed pool. Evergreens, birch clumps, flowering crab apple trees, dogwoods, rhododendron, azaleas, and tulips provide a rich blend of textures and colors.

GALE NURSERIES

School House Road, Box 264
Gwynedd, Pa. 19436
Charles H. Gale, Chair

MARY'S COUNTRY GARDEN

How does your garden grow, Mary? In a formal, boxwood-edged bed that is a mass of perennial flowers punctuated with some herbs and vegetables. In the spotlight is the famous Exbury azalea, one variety of a group known as Knap Hill hybrids. A gazebo suggests contemplation, relaxation, and protection.

HANSEN BROTHERS NURSERIES

472 S. Gulph Road
King of Prussia, Pa. 19406
Gordon F. Eadie, Chair

LEISURELY OUTDOOR LIVING

Take a deep breath and relax on this brick and flagstone patio complete with contemporary outdoor furniture. Stewartia and styrax with an underplanting of cascading juniper and cotoneaster fill several free-form stucco planters. Overhead are staggered hanging baskets.

HANSEN'S GROUND COVERS

1210 Greenhill Avenue
West Chester, Pa. 19380
Roland Hansen, Chair

SPRING RETURNS

A fragrant carpet of approximately 2,000 lilies of the valley make a sumptuous ground cover. White azalea and rhododendron add variety within the same color scheme.

JUDD'S HOLLYLAN NURSERIES

516 East Holly Avenue
Pitman, N.J. 08071
William Judd, Chair

THE COUNTRY BLACKSMITH

The vigorous drama taking place inside this fiery old forge only enhances the rugged majesty of its natural surroundings. A three-tiered waterfall tumbles this way and that until it flows into a pool that forms a suitable environment for ferns and swamp hyacinths. Off to the other side, six-to-eight-foot tall unusual varieties of azalea (Glacier, for example) and rhododendron soar up a steep mountainside.

PERCY BROWN NURSERY, INC.

Box 119 E, R.D. 3
Birdsboro, Pa. 19508
Galen L. Brown, Chair

A TOUCH OF OLD GRANADA

A simple but striking bit of fiery Spain can enhance a Delaware Valley garden by taking a cue from that sunny land's traditional terraced garden architecture. Plants hardy to this region—geraniums, verbenas, lantanas—smile in their hanging baskets or pots, while a fountain bubbles away.

ROSE VALLEY NURSERIES, INC.

684 South New Middletown Road
Media, Pa. 19063
Ben Palmer, Chair

A TERRACE GARDEN

Practical and attractive plants that are not as popular as they might be predominate in this terrace garden. An easy-to-maintain flagstone area is cushioned by cutleaf Japanese maple and Katsura trees with the yellow Exbury hybrid azaleas and Pacific Giant primulas adding a healthy dash of elegance and color.

SNIPES FARM AND NURSERY

U.S. Route 1
Morrisville, Pa. 19067
Joan Mathias, Chair

BACKYARD ENJOYMENT

The sliding glass doors of a family room open onto a patio, which almost becomes another room and acts as a transition zone between house and greenhouse. In addition, the shaded and shrubbed patio makes the family room look and feel

continued

NURSERY EXHIBITORS continued

larger and airier. Privacy is not forgotten, however; retaining walls form a sense of seclusion as well as providing level changes.

STAR ROSES

The Conard-Pyle Company
West Grove, Pa. 19390
Richard J. Hutton, Chair

Designed by: Edward L. Lindemann, Staff Horticulturist
Pennsylvania Horticultural Society

Staged by: Hansen Brothers Nurseries, Inc.
472 South Gulph Road
King of Prussia, Pa. 19406

ROSE GARDEN

Look at all the marvelous varieties of roses available for your garden. Charisma, the All-American Award winner, is in the limelight, but the colorful and distinctive Arizona, Double Delight, Europeana, First Edition, First Prize, and Peace may steal your heart. And don't overlook a new everblooming pink shrub called Carefree Beauty™ (Variety: Bucbi).

J. FRANKLIN STYER NURSERIES

U.S. Route 1, P.O. Box 98
Concordville, Pa. 19331
Roland Taylor, Chair

A POND GARDEN

This contemporary interpretation of a Japanese pond garden takes strollers along a path that follows the edge of the reflecting pool, passes a waterfall and ascends a slope to enter a thatched roof hut. There you may survey the carefully constructed garden of contemplation. Half-buried rocks and plants selected for their form, texture, and permanence of scale underline the esthetics of the centuries-old pond garden.

VICK'S WILDGARDENS, INC.

Conshohocken State Road, Box 115
Gladwyne, Pa. 19035
A. F. W. Vick, Jr., Chair

NATURE'S GARDEN

Haven't much yard? Here's how to spruce up a dull corner of even a small bit of property. Woodsiness of the native variety is a top priority here as indicated by the waterfall, wildflowers, and logs. Indigenous trees and shrubs include dogwood, birch, evergreen, laurel, and azalea.

THE WHITEMARSH NURSERIES

7 East Stenton Avenue
Plymouth Meeting, Pa. 19462
Stanley M. Leighton, Chair

PEOPLE AND PLANTS

Plants are at home here inside and out. Flowering crab apple and pine trees, rhododendron and azalea combine for a demonstration of screen planting with a bright ground cover of ivy, juniper, and flowering bulbs. Easing the shift to the indoors and to human scale, the foyer is full of interior plants. Hanging baskets liven up the shaded dining area.

WATERLOO GARDENS

200 North Whitford Road
Exton, Pa. 19341
Roberts LeBoutillier, Chair

ORIENTAL SIMPLICITY

A wandering path through this carefully crafted tea garden, with its waterfall, rock-studded pond, and irregular terrain leads you past plantings of open trees, rhododendrons, and azaleas. Hopefully, you'll find much sought-after feelings of tranquility and gain a greater sensitivity to all that nature has to offer.

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ROOM SECTIONS IN COMPETITION

(IN PLACE THROUGHOUT SHOW. JUDGED FOR OPENING; REJUDGED WEDNESDAY, MARCH 8.)



1977 Room: A Quiet Place. First Place: Old Eagle Garden Club

Class 131 JOIN THE FAMILY.
Section of a Family Room

The Country Garden Club of Mt. Laurel
Mrs. Edward Rapkin, Chair

The Evergreens
Mrs. Stewart McCracken, Chair

The Garden Workers
Carol Thatcher, Chair

Green Countrie Garden Club
Mrs. Maurice Waite, Co-Chair
Mrs. Henry Letter, Co-Chair

Huntingdon Valley Garden Club
Mrs. John Gribbel, 2nd, Co-Chair
Mrs. Thomas Dolan, 4th, Co-Chair

Random Garden Club
Mrs. Peter M. Saylor, Chair

Wissahickon Garden Club
Mrs. James M. Stewart, Chair

Woodlea Garden Club
Mrs. Jack Music, Chair

TABLES IN COMPETITION

(IN PLACE THROUGHOUT SHOW. JUDGED FOR OPENING; REJUDGED WEDNESDAY, MARCH 8.)



1977 Table: Sunday Brunch. First Place: Random Garden Club

Class 132 WIN OR LOSE!
Entertaining after a competition.

Chestnut Hill Garden Club
Mrs. John Wright, Jr., Chair

Norristown Garden Club
Mrs. Joseph P. Lynch, Chair

Four Lanes End Garden Club
Mrs. Ronald Secrest, Chair

Suburban Garden Club
Mrs. Nelson G. Dewey, Chair

Swarthmore Garden Club
Mrs. J. B. M. Tyson, Chair

Villanova Garden Club
Mrs. Kenneth Matheson, Co-Chair
Mrs. James Waitneight, Co-Chair

Garden Club of Wilmington
Mrs. John R. S. Fisher, Chair

Wissahickon Garden Club
Mrs. Stanley W. Pearson, Jr., Chair

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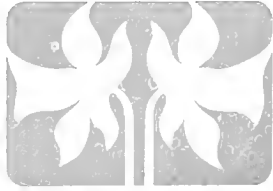
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NICHES IN COMPETITION



photos by Edmund B. Gilchrist, Jr.

1977. Pure and Simple. First Place: Mrs. H. Fox Coates

By the end of the Show, exhibitors will have prepared 147 arrangements for competition in the niche section. Planning for these arrangements begins months before the Show; special florists, growers and amateur gardeners are involved as collaborators to secure offbeat or hard to find flowers, branches and foliage from great distances. Materials are ordered to be flown in from as far away as Africa, Hawaii or Holland. It takes courage to plan on such long distance plants for arrangements because sometimes they arrive frozen and unusable. Or they may be held up by a strike, which once happened when some proteus was ordered from Africa. It was flown to California and reached here the morning the Show was to open. Some of the exotic plants, long favorites

with arrangers, are disappearing. One arranger says the euphorbia, with its elegant curve and tiny, exquisite blossoms, so perfect for the miniature niches, is terribly risky to order from Holland since its petals are often damaged in flight and the exhibitor receives only a dry stick at Show time. Problems like these test the ingenuity and nerve of arrangers. Others happily stick to the tried and true plants and find new ways to use them. Still others collect from the finest cutting gardens throughout the summer and dry their flowers as they go along. These niche exhibitors are unusually knowledgeable about horticulture and incorporate a wide range of plant materials in the arrangements.

NICHES IN COMPETITION

1. Large
2. Medium
3. Small

Sunday, March 5

1. Alpha
2. Cut and Dried
3. Adage

Monday, March 6

1. Composite
2. Busman's Holiday
3. Boxed In

Tuesday, March 7

1. Elementary
2. Jubilee
3. Where in the World?

Wednesday, March 8

1. Cinema
2. Potter's Clay, Novice Class
3. Petits Pois

Thursday, March 9

1. Cadenza
2. Mille Fleurs
3. A Touch of Glass

Friday, March 10

1. Suspense
2. Take A Chance (Challenge Class)
3. From the Bards

Saturday, March 11

1. Savoy
2. Show Stopper
3. Omega

MINIATURE CLASSES

Class 141 A Summer Place (out of doors)

Class 142 A Summer Place (indoors)



1977. Farmer's Market. First Place: Mrs. Gerard B. Palmer



1977. Sea World. First Place: Mrs. Charles E. Humphreys and Mrs. Harry Bach



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GARDENS IN COMPETITION

(IN PLACE THROUGHOUT THE SHOW. JUDGED FOR OPENING ONLY.)

Class 161 GARDEN ON THE SQUARE

Conestoga Garden Club
Mrs. Thomas J. Hamilton, Chair

Four Counties Garden Club
Mrs. Johns Hopkins, Chair
Mrs. Thomas Fisher, Co-Chair

The Garden Club of Philadelphia
Mrs. John S. Newbold, 2nd, Co-Chair
Mrs. John Chew, Co-Chair
Mrs. Robert E. L. Taylor, Co-Chair

Providence Garden Club of Pennsylvania
Mrs. Wilson M. Brown, Jr., Chair

Seed & Weed Garden Club
Mrs. William Lord, Chair

Spade & Trowel Garden Club
of Kennett Square
Mrs. Carl E. Dengler, Chair



Photos by Edmund B. Gilchrist, Jr.

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1977 Garden. Garden with a Lift. First Place: Outdoor Gardeners

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DEMONSTRATIONS

Horticultural, floral and bonsai demonstrations will be presented throughout the Show (near the Horticult—see floor plan—upper left-hand corner). *Flourish*, a musical, will also be presented in that area. See below for times.

Bonsai: Chase Rosade will demonstrate bonsai skills on an almost continuous but unscheduled basis at the Rosade Bonsai exhibit. (See floor plan.)

Flourish: A musical history of the Pennsylvania Horticultural Society will be presented on Tuesday and Thursday evenings at 7:30 pm.

	PHS (horticultural)	ALLIED FLORISTS
Sunday, March 5	10:30 AM 1:30 PM	12:00 Noon 3:00 PM
Monday through Saturday March 6-11	12:00 Noon 2:30 PM 5:00 PM 7:30 PM	10:30 AM 1:00 PM 3:30 PM 6:00 PM
Sunday, March 12	10:30 AM 1:30 PM	12:00 Noon 3:00 PM

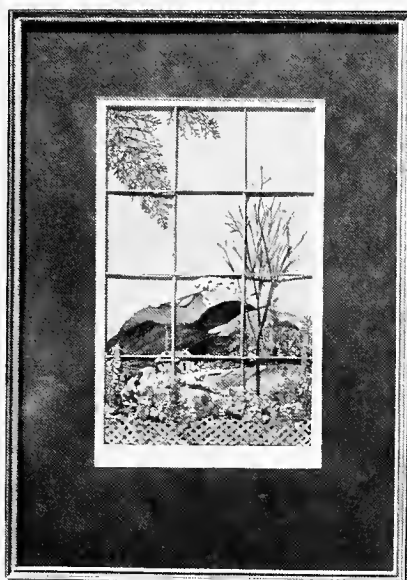
DESIGNS FOR PRESSED PLANT MATERIALS

DESIGNS FOR PRESSED PLANT MATERIAL

Class 151 Monogram

Class 152 Illustration for a Fairy Tale

Class 153 Centerpiece for a Festive Occasion



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First Place:
Mrs. Lyle R. Tanner



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Open to the Public: House: Tuesday through Sunday 12:00-4:00;
Gardens: Tuesday through Sunday 10:00-5:00

General Admission: Combination house and gardens \$4.00; Gardens only or house only \$2.50; Special Group Rates

For Information: Call 301-557-9466, or write 3535 Jarrettsville Pike, Monkton, Maryland 21111

Directions: Exit 27 from Route 695 (Baltimore Beltway) 14 miles north of Towson on Route 146.



TRADE BOOTH EXHIBITORS

Booth Number	Exhibitor & Product Exhibited	Booth Number	Exhibitor & Product Exhibited	Booth Number	Exhibitor & Product Exhibited
99	A & A Bazaar King of Prussia, PA African & Spanish Crafts	94	Computer Attractions Philadelphia, PA Computer Portraits	127	Fencing Associates Cherry Hill, NJ Fences and Decks
46	A. B. G. Company Syosset, NY Hanging Baskets & Small Potted Plants, Flowers	12	The Conard-Pyle Company (Star Roses) West Grove, PA Miniature Roses, Rose Bushes, Blue Hollies	35	Fetzer Greenhouses Hartsville, PA
78	Alten's Exotic Plants Warminster, PA Plants, Pottery, etc.	83	Cottage Crafts Malvern, PA Terrarium Miniatures, Pressed Dried Flower Pictures, Bouquets	36	Foliage plants in Decorative Containers, Small Flower Arrangements in Containers
33	American Standard Co. Plantsville, CT Ratchet Cut Pruning Tools			8	Fischer Greenhouses Linwood, NJ
112	Anchor Post Products, Inc. Yeadon, PA	21	Creative Leather Company Merchantville, NJ	9	African Violets, Gesneriads, Azaleas
113	Fencing			85	Floral Art Springfield, MA Flower Arranging Supplies
23	APPL-Q Products (Fruit Bread House) Pottsville, PA Fruit Breads	124	Jim Dalton Garden House Company Philadelphia, PA	31	Floral Centerpiece Co. Long Island City, NY Flower Holding Center- pieces, Gifts
66	Ashwood Boyertown, PA Potting Supplies, Forced Live Material, Corsages, Organically-grown Potted Herbs	125	Garden House, 3M Brand Liquid Carpet	115	Flower Hut Chalfont, PA Fresh Cut Flowers
100	Bermas Plastics Co., Inc. Long Island City, NY Aquamatic Planters	126		93	Flowers by Dotti Milmont, PA - Cut Flowers & Plants
90	Blue Tree Garden Center Norristown, PA	3	Dannon Milk Products Philadelphia, PA Dannon Yogurt	62	William H. Frederick, Inc. Philadelphia, PA Contemporary Garden Items, Outdoor Furniture
91	Hanging Baskets, Plants, Cacti, Accessories	79	Decor Shoppe Columbus, OH Floral Decorations and Accessories	110	Frontier Fruit & Nut Co. Akron, OH Dried Fruits, Nuts
5	Boccella Precast Berlin, NJ Concrete Table and Patio Block	55	Denison's Greenhouses Springfield, PA African Violets, Fertilizers, Insecticides	14	The G Boys Garden & Christmas Center Marlton, NJ House Plants
73	Brown's Miniatures Cambridge, NY Honey, Miniatures, Candles	37	Depot Greenery Telford, PA Plants, Pottery, Dried Flowers	82	Glengarry Gardens, Inc. Wayne, NJ Nature's Miracle, Potting Soil
120	W. Atlee Burpee Company Doylestown, PA	24	Edelweiss Gardens Robbinsville, NJ Orchids, House Plants, Bromeliads	86	Gravelly Clemmons, NC
121	Flower & Vegetable Seeds, Garden Products	95	Emma's Farm & Garden Center Hammonton, NJ	87	Gravelly Lawn & Garden Tractors & Attachments
122		96	Exotic House Plants, Cacti, Ferns, Baskets	101	
123		74	Encyclopaedia Britannica Chicago, IL Encyclopaedia Britannica III, Other Related Products	102	
6	Canvas Mobiles, Inc. Tallahassee, FL Canvas Mobiles			116	Great Swamp Pottery Basking Ridge, NJ Plants, Pottery, Bonsai, Sculpture
40	Caprilands Herb Farm Coventry, CT Herbs & Herb Products	16	Far Out Cactus West Chester, PA	129	Grundy's Bryn Mawr, PA Plants, Graphics, Jewelry, Baskets
41		17	Cacti, Succulents, Planters Gardens		
84	Competent Home Products Island Heights, NJ Clean Machine (Kendo)				

Booth Number	Exhibitor & Product Exhibited	Booth Number	Exhibitor & Product Exhibited	Booth Number	Exhibitor & Product Exhibited
80	H & H Sales	128	Kirkwood's Flowers	15	Pots, Inc.
81	Enterprise, FL		Mt. Wolf, PA		Hingham, MA
	English Foil Pictures, Old		Cut Flowers, Dried Flowers,		Handmade Stoneware, Pots,
	English Lavender		Helium Balloons		Windchimes, Bells
47	H & S Sales	57	Rothe-Woltemate Flowers	98	Schwarzwaldhaus
48	Philadelphia, PA	58	Philadelphia, PA		Elyhia, OH
	Jewelry		Plants and Flowers		German Handmade Wooden
45	Haarlem Bulb Co., Inc.	67	Lahr's Flowers & Gifts		Folkart, Toys, Clocks,
	Grand Island, NY		Horsham, PA		Cloth Dolls, Alpine
	Flower Bulbs & China,		Retail Items Related to		Pendants
	Plants		Florist Business	59	The "Plant" Smiths
20	Happy Glass	1	Lord & Burnham		Philadelphia, PA
	Philadelphia, PA		Irvington, NY		Unusual and Exotic Plants
	Leaded Stained Glass,		Greenhouses	60	Swiss Maid Fudge Company
	Stained Glass Planters	106	Miller's Plants	61	Akron, OH
18	Hawaiian Nurseries		Huntingdon Valley, PA		Fudge, Assorted Candies
	Brooklyn, NY		House Plants	19	Tinari Greenhouses
	Totem Pole, Ti Logs,	107	Mini Handcrafts Boutique		Huntingdon Valley, PA
	Ginger Root		Upper Darby, PA		African Violets
10	Hearts-Ease Farm &		Handcrafted Goods from	27	Tom's Garden World
	Greenhouses		Jamaica and Around the	28	McKee City, NJ
	Califon, NJ		World		Plants, Pottery, Macrame,
	Exotic House Plants and	29	Modern Products Company		Cut Flowers
	Related Products		Riverdale, NY	48	Tree of Concern
30	Hickory Farms of Ohio		French Multi Baskets		Philadelphia, PA
	Toledo, OH	11	Mostardi's Nursery &		Tree of Concern Jewelry
	Beef Stick & Cheese		Greenhouses, Inc.	49	Vegetable Factory, Inc.
111	Holland Imports		Newtown Square, PA	50	New York, NY
	Philadelphia, PA		Potted Plants, Hanging		Greenhouse
	Holland Imports		Plants, Pottery	114	Virginia Travel Council
68	House Plants & Porch	56	Muehlmann's Greenhouses		Richmond, VA
	Gardens	71	Springfield, PA		Gardens in Virginia and
	Villanova, PA	72	Plants and Related Items		Tourist Information
	House Plants & Porch	4	J. A. Nearing Company, Inc.	7	Wallingford Rose Gardens
	Gardens Magazine		Laurel, MD		Wallingford, PA
92	International Housewares		Glass and Aluminum		Hollies, Mahonias, etc.
	North Bay Village, FL		Greenhouses	75	Walpole Woodworkers, Inc.
	Non-Stick Cookware,	108	Ohio Dairyland Cheese Co.	76	Walpole, MA
	T-FAL	109	Akron, OH	77	Furniture (Cedar), Small
88	Kayak Recreational		Cheeses, Meats		Buildings
89	Manufacturing Corp.	32	The Oriental House	53	Waterloo Gardens, Inc.
103	Depew, NM		Jamaica Estates, NY	54	Devon, PA
104	Above Ground Swimming		Bonsai Plants and Contain-	69	Large Selection of Bloom-
	Pool		ers, Plants, Flower Pots	70	ing & Foliage Plants,
			and Accessories		Unusual Pottery, Fresh &
42	Kesslers Gems	25	Ott's Exotic Plants, Inc.		Dried Flowers
	Amberson, PA	38	Schwenksville, PA	51	Well-Sweep Herb Farm
	Sterling Silver Jewelry,		Plants	52	Port Murray, NJ
	Rocks, Minerals, Shells,	26	The Plant Place		Herb and Dried Flowers
	Plant Hangers	39	Philadelphia, PA	117	Westminster Export Co., Inc.
44	Keystone Paving Block		Plants		Atlanta, GA
	Company, Inc.	2	Plume Orchids		Zyliss Vise
	Philadelphia, PA		Maple Glen, PA	43	Judy Wilson Pottery
	Lockstone Paving Products		Orchid Plants		Norristown, PA
					Pottery

Common plant pests

by Ed Lindemann and Jane Pepper

To compile this list of common plant pests we reviewed the kinds of questions we've received at the Pennsylvania Horticultural Society throughout the year on the hotline and by letter. We've listed those plant pests that people seem to have the most difficulty identifying or coping with.

Often it's hard to help people with their pest problems because they don't have enough information about the

problem. We suggest you begin by observing: what does the pest look like; when is it around; is it a sucking or chewing pest (chewers leave holes in the leaves, suckers discolor the leaves); is there a residue; try to describe it. You'll probably get better help also if you can provide a sample of the affected plant. Pesticides are listed by common name.

house plants

HOST	PEST	CONTROL
Common on cooler habitat plants, for example, ivy, geranium, gardenia or kalanchoe.	Aphid. Tiny white, black, light green or yellow sucking insects. They cluster on buds and new shoots.	Wash away with strong spray of water; spray with malathion.
Large potted plants that go out for the summer.	Earthworm. Same as those found in outdoor gardens. Look for droppings on surface of soil in pot.	Water with solution of one teaspoonful of permanganate of potash in enough water to create a deep pink colored solution.
Succulents are very susceptible.	Mealybug. Small white cottony looking insects found at nodes and in leaf axils.	Remove individual insects with a Q-tip dipped in alcohol. Spray with malathion.
Found on just about all house plants.	Red spider mite. Not true insect; they have four instead of three pairs of legs. Difficult to see with naked eye. Look for webbing on underside of leaf. Shake leaf over white paper. Mites that come off will create a reddish-yellow dust.	Dicofol. Once pest is controlled, bi-weekly washings will help prevent return. Keep humidity high.
Ferns and leathery leaf plants are very susceptible.	Scale. Small white or brown blister-like shield, will scrape off with fingernail. Leaves are sticky to touch.	Malathion, spray or dip.
Can be found on any container-grown plant; particularly prevalent in plants grown under lights.	Springtail. Small fast-moving insects that come to the soil surface when plants are watered.	They feed on organic matter in the soil and do not harm plants. If squeamish, spray with malathion.

ornamentals

HOST	PEST	CONTROL
All garden plants	Aphid. Assorted sizes and colors; suck juices from new shoots and buds. Appear from May till frost.	Isotox, malathion. Follow directions on the label.
All plants are susceptible.	Beetle, Japanese. Bronze colored with blue-black head. Appear anytime after mid-June.	Isotox, diazinon, carbaryl. Follow directions on label. (Control the same for all beetles on ornamentals.)

Dogwood, lilac and iris very susceptible.	Borer. Larvae inside stem or trunk and usually not seen until plant wilts. Look for holes in stem or trunk and "sawdust" residue. May appear at anytime.	Lindane spray or paste: Follow directions on label.
Azalea and andromeda are very susceptible.	Lacebug. Tiny 1/8-in. long, has lacey wings with brownish-black markings on the wings. Appears from mid-May on.	Isotox
Birch, holly, azalea, pine, spruce.	Leaf miner. Larvae feed on inside of leaf when they hatch. Appear in late spring and early summer.	Lindane. Follow directions on label.
Common on euonymous, hemlock, pachysandra, cotoneaster and many other plants.	Scale. White or brown blister or bubble-like insects, may be hard or soft with or without a dark center. Usually on leaves or along stem. May appear anytime during the growing season.	Isotox, malathion. Follow directions on label. Dormant oils used on some woody plants as control in late winter. Check label.
Rhododendron and yew are common hosts.	Weevil. Black vine weevil 3/8-in. long. Black color with ribbed wings, eats margins of leaves and destroys roots. Appear from mid-June through July.	Diazinon, carbaryl, malathion or Isotox may help control.

vegetables

HOST	PEST	CONTROL
Asparagus	Asparagus beetle. Small black beetle with three yellow squares on each wing. Larvae are olive green with black heads; they feed on new shoots in early spring.	Hand pick, dust tips with rotenone or carbaryl as soon as tips appear. Use malathion only after cutting season is over.
Beans: lima and snap	Mexican bean beetle. Yellow with black spots. Yellow larvae. Attacks plants throughout growing season.	Hand pick; rotenone or carbaryl (dust). Keep picking orange egg masses.
Cabbage (and related plants), brussel sprouts, broccoli, cauliflower, kohlrabi	<p>Aphid. Tiny green or powdery blue insects cluster on leaves and stems at anytime during the growing season.</p> <p>Cabbage worm and cabbage looper. Green caterpillar appears from June on.</p> <p>Cabbage white maggot. Feed on roots and stems. Watch for this pest early in spring when plants are first set out.</p> <p>Cutworm. Soft, flat caterpillars, cut stems off at ground level. Appear early when plants are first set out.</p> <p>Flea beetle. Tiny black beetle leaves shotgun holes in leaves. Can appear anytime during growing season.</p>	<p>Carbaryl or malathion (do not use malathion within seven days of harvest).</p> <p>Dust with carbaryl.</p> <p>Diazinon; follow label directions.</p> <p>Place stiff paper collars around young plants, bury collars 1 in. into soil or use diazinon. Follow label directions.</p> <p>Rotenone, wood ash or flour dust.</p>
Carrot	Carrot rust fly. Maggots cause deformed carrots. Usually appear in late spring and again in late summer or early fall.	Sow seed after June 1 and harvest by early September to avoid maggots. Keep garden weed free.
Corn	<p>Corn borer. Light color with small dark spots in rows. Appears early summer.</p> <p>Corn earworm. Attacks mid and late season corn.</p>	<p>Dust tassels with carbaryl as soon as they appear; repeat at three to four intervals.</p> <p>Apply mineral oil to tassels when they first appear, or dust tassels with carbaryl at two to three day intervals until silk turns brown.</p>

HOST	PEST	CONTROL
Cucumber	<p>Striped cucumber beetle. Small black beetle with yellow stripes, spreads bacterial wilt. May appear at anytime during growing season.</p> <p>Squash bug.</p> <p>Vine borer.</p>	<p>Dust with malathion or carbaryl. Start when plants are young.</p> <p>See under squash.</p> <p>See under squash.</p>
Eggplant	<p>Colorado potato beetle. Orange beetle with black stripes. May appear throughout the growing season.</p> <p>Flea beetle.</p> <p>Horn worm.</p>	<p>Dust or spray with malathion or carbaryl.</p> <p>See under cabbage.</p> <p>See under tomato.</p>
Lettuce	<p>Slug. Look for silvery trails. Damage done at night.</p>	<p>Place beer in shallow containers; slugs are attracted to beer and drown. Or use baits containing metaldehyde.</p>
Melon	<p>(Same as cucumbers)</p>	
Onions	<p>Onion maggot.</p> <p>Thrips. Suck juices from tops leaving them whitened and curled. Bulbs do not develop.</p> <p>Both pests attack bulbs after they have started to grow.</p>	<p>Diazinon</p> <p>Spray with nicotine sulfate or malathion. Do not spray within one week of harvest.</p>
Squash	<p>Squash bug. Small brown bug, spreads bacterial wilt.</p> <p>Squash vine borer. Unnoticed till vine wilts. Look for hole in stem and "saw-dust" residue.</p> <p>Both may appear anytime during growing season.</p>	<p>Hand pick adults and eggs. Bugs will collect under boards or shingles placed near plants at night and can be destroyed in the morning. Spray with malathion. Remove all old vines in the fall to prevent wintering over of insects.</p> <p>Cut bores out with a sharp knife. Try to cover damaged stem with soil to induce rerooting. Spray with methoxychlor, carbaryl or malathion at the end of June and beginning of July. Remove old vines in the fall.</p>
Tomato	<p>Cut worm.</p> <p>Flea beetle.</p> <p>Horn worm. Large 3 in. - 4 in. green worm with red horn. Watch for in mid-summer.</p>	<p>See under cabbage.</p> <p>See under eggplant.</p> <p>Hand pick. Dust with carbaryl.</p>

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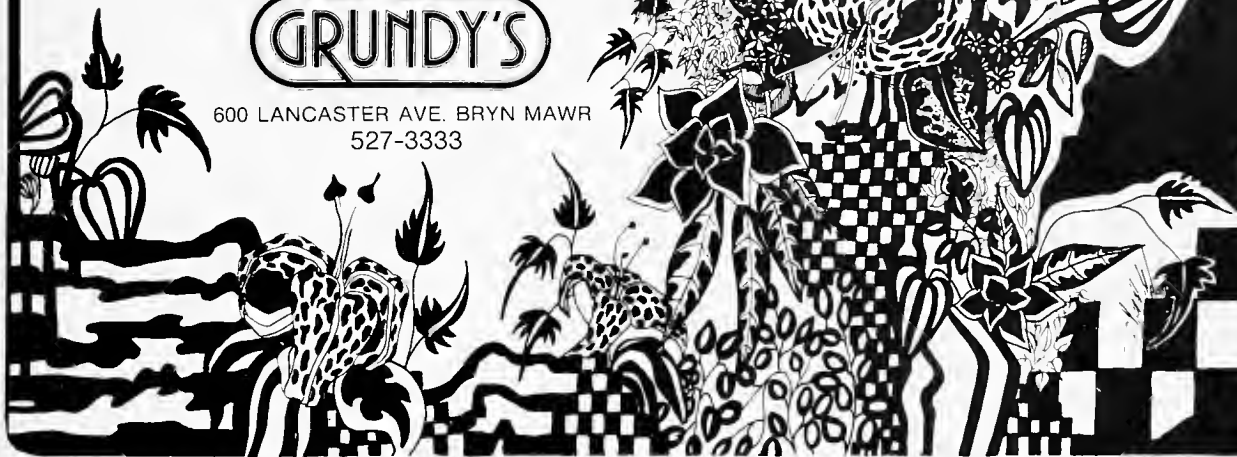
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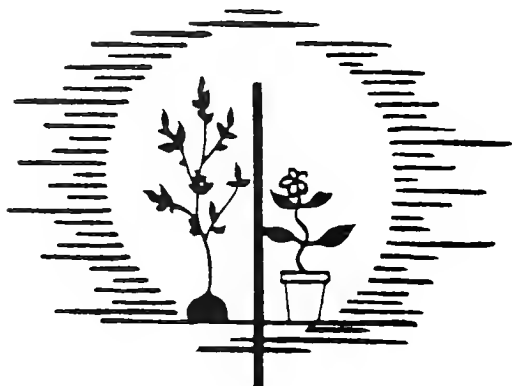
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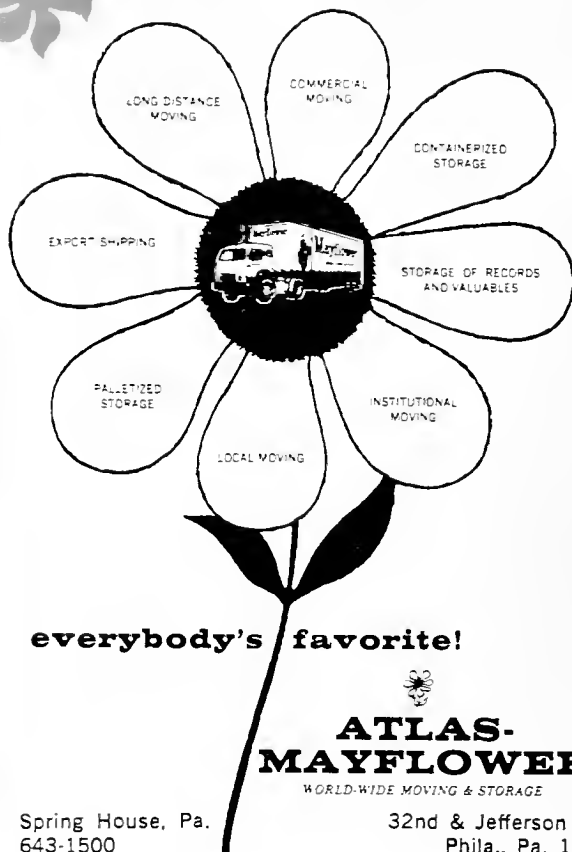
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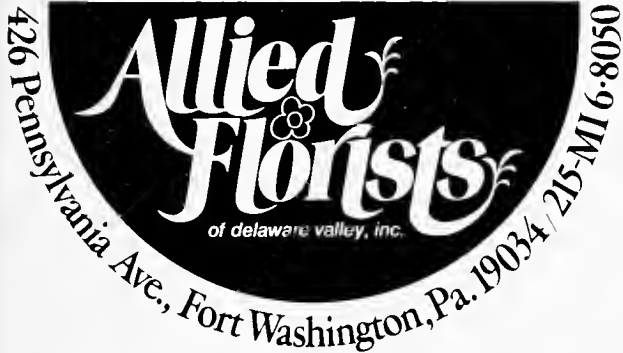
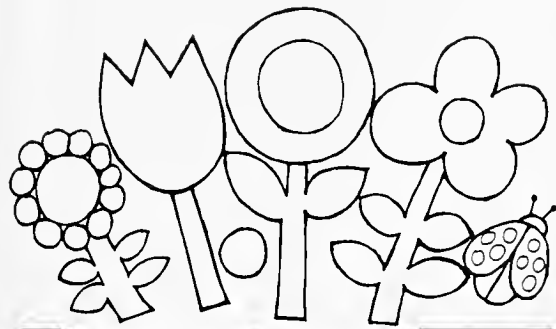
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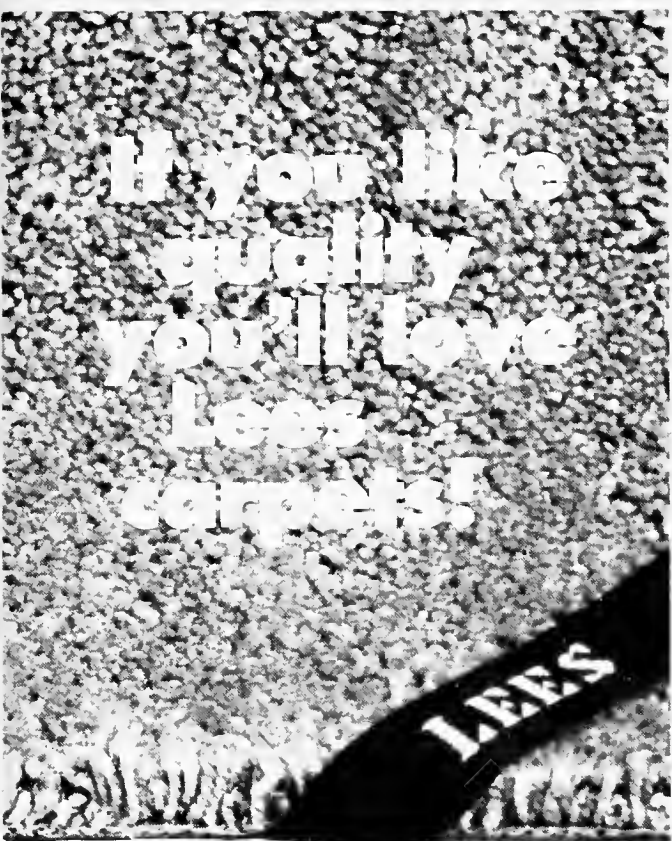
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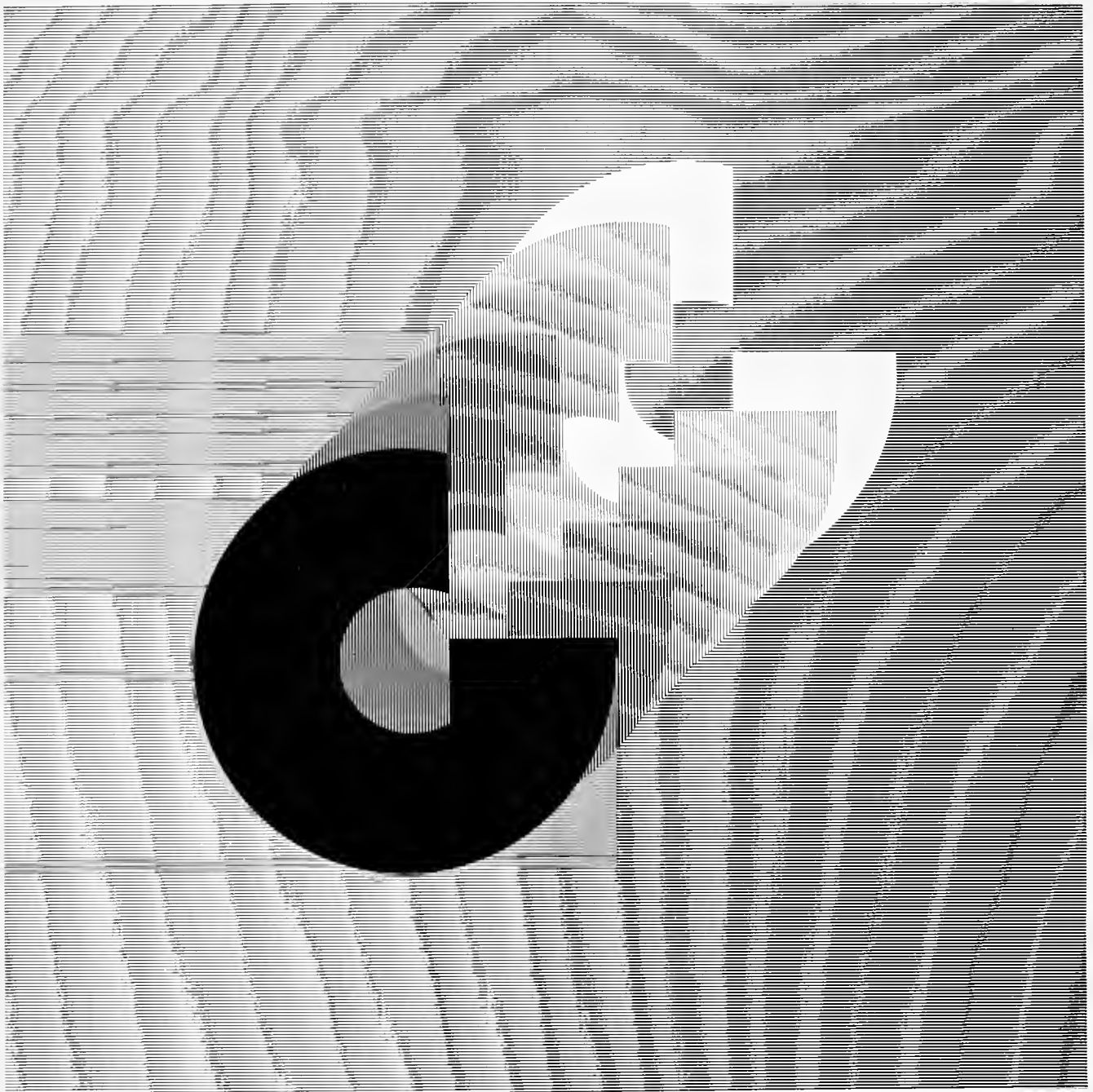
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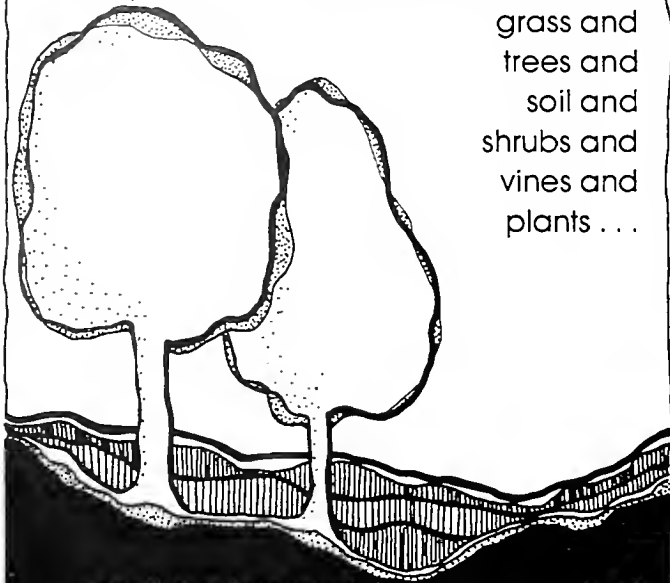
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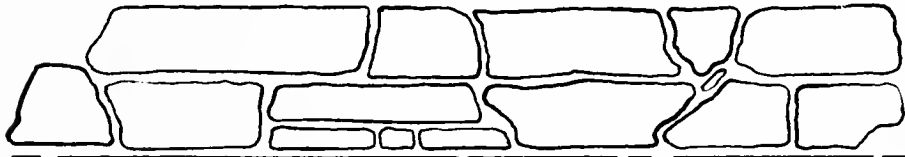
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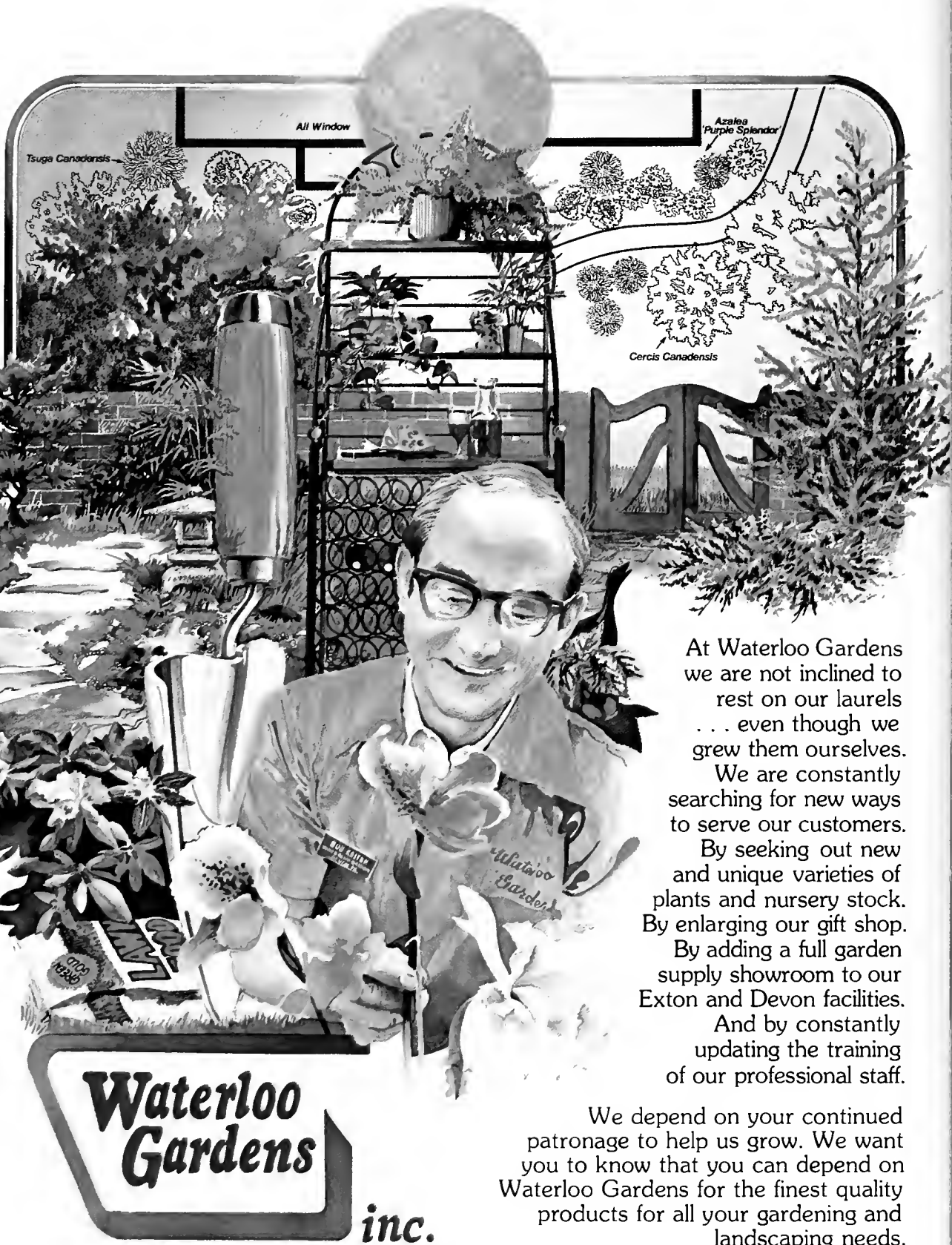
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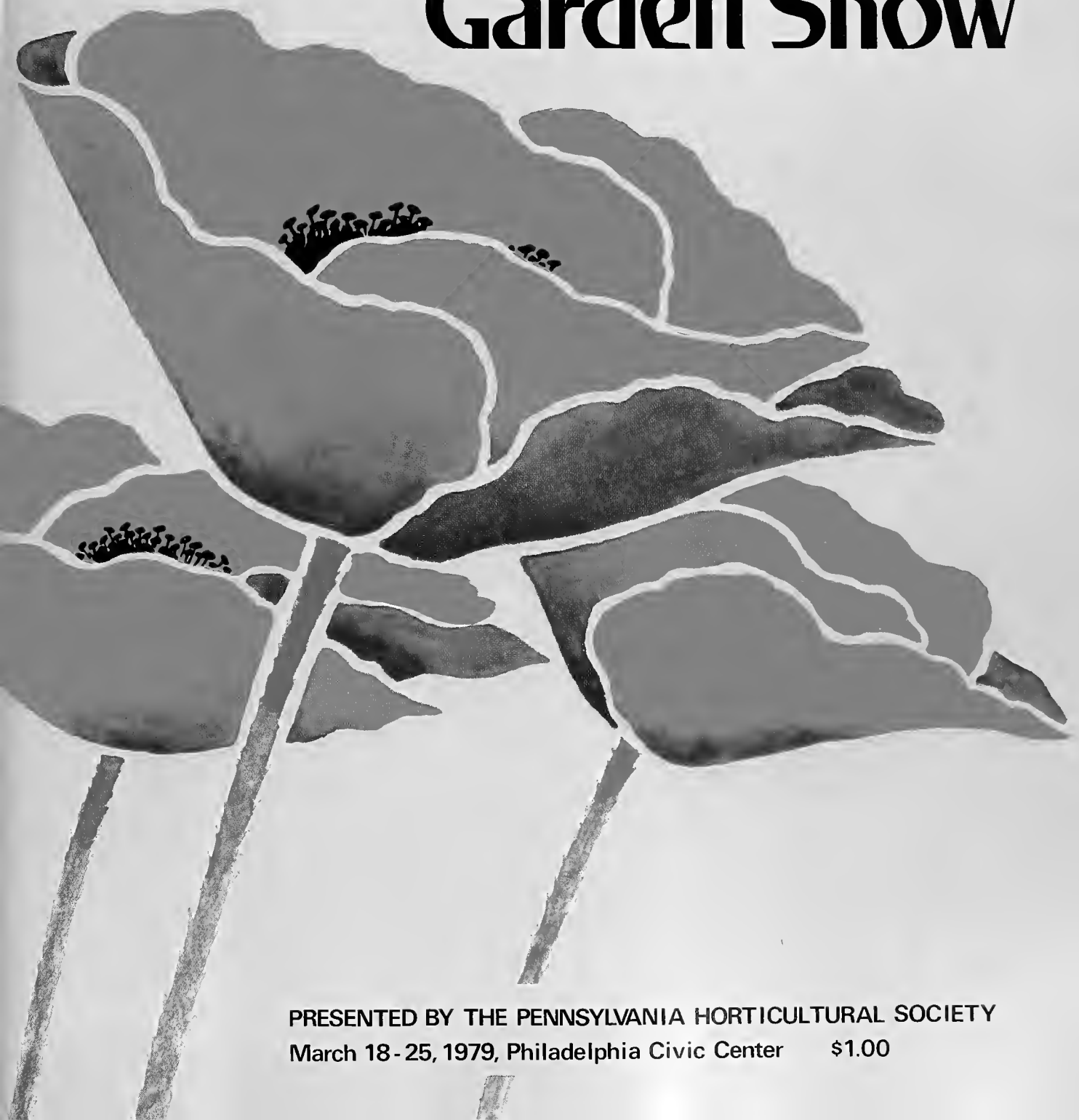
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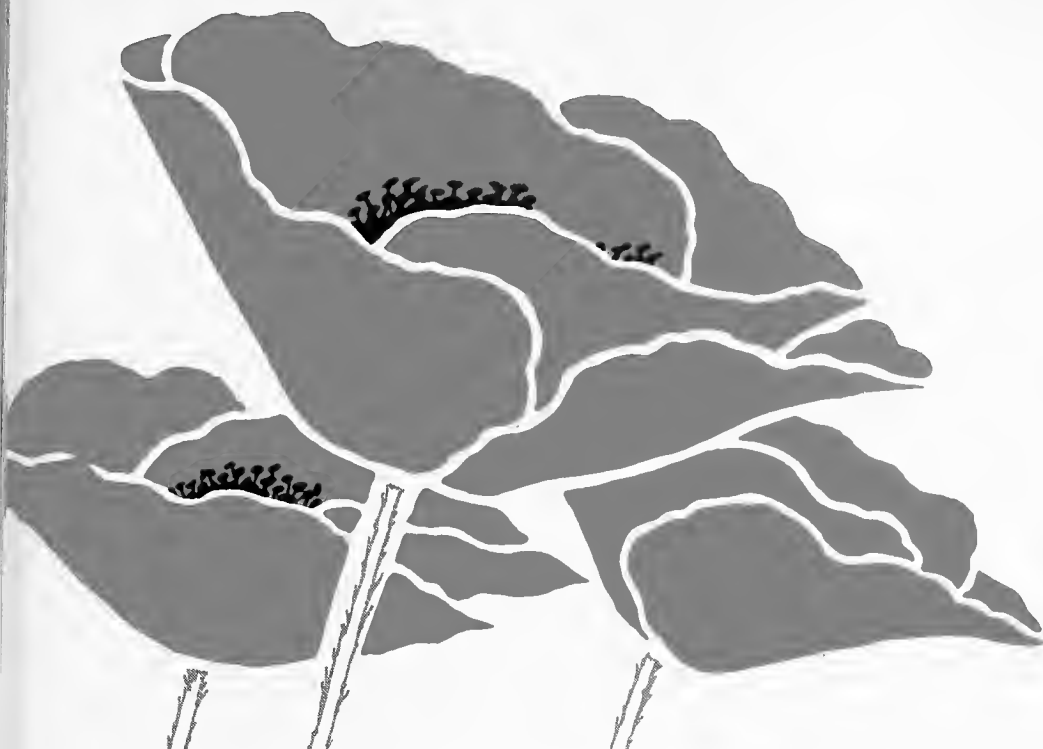


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Drawings were translated into reality: territories were chalked out with care. Smilax was hung, trees and flowers, gardens, dells and wilderness all came together. People, by the hundreds worked long, long hours and they loved it. The nurserymen, the competitive class people, the educators, the plant society members and the volunteers, all are vital to the success of the Show, which is indeed—like the first crocus—the harbinger of spring in Philadelphia.

And you, our visitors, are the reason we did it. We love sharing it with you—the knowledge, the beauty, the serenity, the hustle and bustle.

We love the glint in your eye as you come down the escalator, the look on your face as you view the dazzling vista, and the way you linger around a particular exhibit. Such things make our work meaningful. Your continued patronage makes it possible. Thank you.

Herbert W. Goodall, Jr.

Chair

Philadelphia Flower & Garden Show

1979 Philadelphia Flower and Garden Show

Sunday, March 18 to Sunday, March 25

Sponsored and managed by

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Herbert W. Goodall, Jr.
Chair, Philadelphia Flower & Garden
Show

Throughout the year Bert Goodall presides at Show meetings, encouraging good ideas and grounding bad ones. He's a sounding board for the staff, getting involved with issues as diverse as parking and public transportation, ticket prices for the Show and publicity and advertising.

An enthusiastic horticulturist, Goodall gardens outdoors and in his greenhouse. Since PHS began to manage the Show, he's been involved with it as he says "as a basket hanger, exhibitor, chairman or vice chair."

The week before the Show, Goodall is out on the Civic Center floor during construction answering questions and helping to solve problems. He has said that the organization moves so smoothly now that if he disappeared a month before the Show it would go on without a ripple. Not so, say those who work with him; it would be akin to losing the coach and the cheerleaders at a football game.



Ernesta D. Ballard
President, Pennsylvania Horticultural
Society

Ernesta D. Ballard has exhibited in every Show since 1956. Her individual contribution has ranged from a few plants in the Horticultur one year, to a truckload in another year, from a complete educational exhibit covering 400 sq. ft. to a flower arrangement, from exquisitely grown bonsai, to group participation with her garden club in the garden class.

Ballard's nitty-gritty knowledge of what goes on at the exhibitor level expands her empathy for the problems of exhibitors and is reflected in substantial ways with directions and changes handled by many committees, e.g., the judges and awards, the problems of nomenclature, the passing committees, to name a few. Ultimately, the creative and financial success or failure of the Show is placed on her doorstep, because for the most part it is the Show that determines the fiscal operation of the Society throughout the year.

Her strongest agenda for the Show has been educational, giving the skilled growers an opportunity to share their knowledge with one another, and those new to horticulture to understand the great possibilities of horticulture, both indoor and outdoor.



BEHIND THE SCENES



Sandra Crosset Ward
Chair, Competitive Classes
Philadelphia Flower & Garden Show

Last year Sandy Ward clocked 86 miles on her pedometer during the Show. She worked approximately 11 hours a day and packed her bags, moved into the Hilton next to the Civic Center when seven inches of snow threatened to close off the roads in the middle of the 1978 Show.

During the Show her job is definitely akin to that of an executive officer of a small corporation. She's responsible for a hefty budget, and for seeing that the people managing the horticultural classes, niches, rooms, tables and club gardens get all the backing they need to get the job done. Her negotiating skills are in solid shape. She denies there are any problems, but we know that is just the tactful reply—you can't be ultimately responsible for 1,500 entries and have it all go right.

John Kistler, L.A.
Designer, Philadelphia Flower & Garden Show

This is the fourth year the Flower & Garden Show has been designed by John Kistler. A landscape architect with a highly developed spatial sense, Kistler considers his major design contribution to be an unobstructed view from the entrance and the widening of the aisles to facilitate traffic flow. Kistler also says he has worked categories of exhibitors into proximity with one another to offer visitors an opportunity for easy comparisons.

Before Kistler stamps "finished" on a design it must go through a dozen or so redrafts until everyone is satisfied with his/her position in the Show.

He is responsible for ordering the trees, shrubs, flowers and grass for the major entrance features and all major parts of the Show not handled by specific nurseries or other exhibitors.

A diplomat at large, he supervises installation of the Show and guarantees that neighbors do not aesthetically impinge on one another and that everyone meets the Show's standards of consistently appropriate design.



James P. McCarvill
Manager, Philadelphia Flower & Garden Show

Jim McCarvill has managed the Flower & Garden Show for 14 years. He can reel off attendance records for the last 13 years (60,000 in 1966 to 200,000 in 1978), rumble through balance sheets, and tell to a leaf and petal what's what in the Hall at Show time.

Jim is responsible for seeing that exhibitors with their trees, mountains and tulips are moved in without a hitch, that no one violates the union rules and most of all that peace and harmony are maintained in the eye of the construction storm the week before the Show opens. Once it is opened, he fields complaints and gets them solved: a leaking exhibit, trees are drying out, a peacock has escaped from an exhibit and a truck has encountered a roadblock on the floor that was not there on the way in.

In addition, he worries about visitors' safety, security of materials at night, whether there are enough tickets, programs, places to eat and if there's enough money to pay the bills.



GROWING TIP

All plants are fresh air bends
A few days out of doors
will make them feel very sexy.

THE GREEN PLANET

EXTRA!
EXTRA!

SPECIAL EDITION VOL. I NO. 4 ★ September 1, 1975 ★

★ PRINTED BY THE PLANT PLACE, 2100 WALNUT STREET, PHILADELPHIA 564-833

Now Every Day's A Field Day At Plant Place Greenhouse



40% Discounts, Cameraderie, Draw Plant Lovers To Roxborough

A few short months ago the Plant Place opened its commercial greenhouse to the public, and announced a 40% across-the-board reduction on retail prices there.

Things haven't been the same since!

Any day of the week, you can find scores of Delaware Valley green-thumbers and their families browsing through the sprawling Roxborough greenhouse. It's been rumored that the much-advertised 40% figure is a conservative one, with discounts often ranging even lower. This would certainly account for the enthusiastic crowds.

"Sometimes it feels like we're having a community get-together in the country," marveled Plant Place owner Gary McClain. "People have the best time wandering up and down the aisles, telling plant stories to perfect strangers, getting dirt on their shoes!"

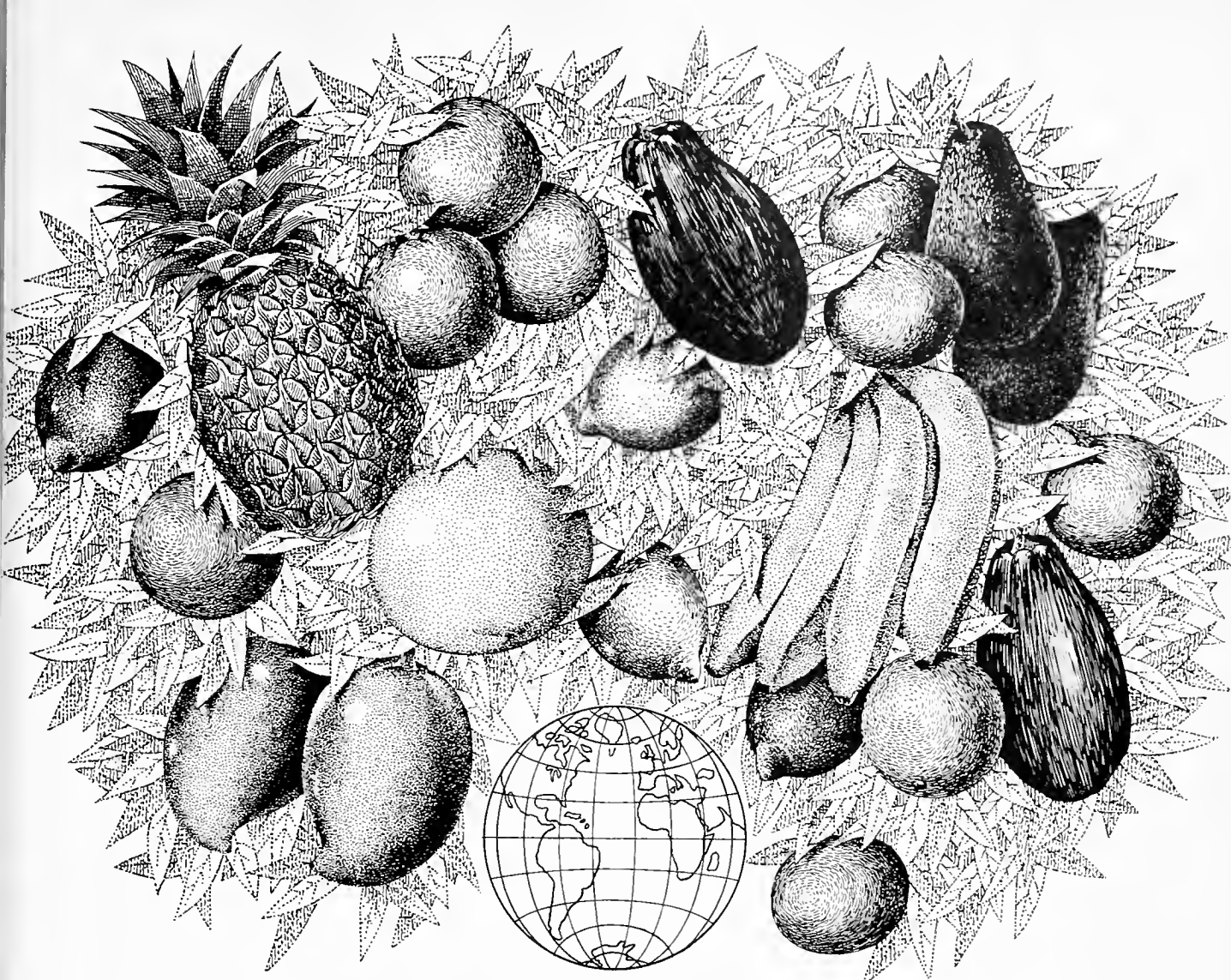
For all the high-spirited informality, it's still the prospect of saving a bundle that has people coming back to the greenhouse on a regular basis. Besides the staggering inventory of plants of all sizes and descriptions, there are loads of accessories, pots, hangers, plant foods and literature.

For anyone who brings in a sickly plant, a free "outpatient" plant clinic is on hand to bring it back to health. And real bargain hunters can always save 50% on the Special of the Month!

McClain likes to feel he's made a real contribution to solving the nation's economic woes. "For us, business is great," he beams. "So much for recession! For our customers, the savings are great. So much for inflation!" It's an arrangement that suits area plant lovers just fine.

Every day is a good day to save 40% and have a grand old time plant shopping at the Plant Place Greenhouse, down Seville St. at 5500 Ridge Ave., in Roxborough. (Lost? Call 487-1515.) Open 8 to 5 daily. The 21st & Walnut St. store open Mon. thru Sat., 9 to 5. Sundays, noon to 5.

The largest Sunflower on record measured 8 feet across from petal to petal. Source: The Pinnocchio Book of World Records.



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Too often we condemn modern technology for seeming impersonal, but the truth is, today we eat better—more interestingly—all year 'round, thanks to the super speed of transportation, controlled refrigeration, agricultural advancements and the open communication of global knowledge.

A great deal goes on behind the scenes to consistently put fresh fruit and vegetables on your table . . . and it's all a part of Acme's determination to deliver the best to what we feel are the best customers in the world.



AN AMERICAN STORES COMPANY

Why Does the Flower & Garden Show



photo by Steven Goldblatt

Extending the Show would mean replacing every bit of plant material. The cost would have to be passed on to Show visitors and ticket costs would be astronomical.

Nursery men, florists, arborists and all of the professionals that participate in the Show are heading into their big season around the time of the Show. Even two days added to the Show could drastically cut into their plans to get ready for public demand during the upcoming gardening seasons.



photo by Steven Goldblatt



photo by Edmund B. Gilchrist, Jr.

Were we to expand the Show from its present number of days, we would have to find 21 niche competitors for each additional day, plus aides and judges.

Last Only Eight Days?

Throughout the Show, at least 120 judges come from all over the country. The major part of the judging is done on the first day, but the horticultural classes are judged three times throughout the Show. The gardens and rooms and tables are judged twice and the niche classes are judged daily.

photo by Edmund B. Gilchrist, Jr.



9

Putting on a Flower & Garden Show that extends over four and a half acres is a year-long job that is budgeted at just under a half million dollars.

The unremitting labor lasts at least a month for many people.

Setting dates for the Show is a delicate job suited for a visionary. Setting it too early creates problems for the people transporting carefully forced plants through severe weather conditions that can easily wipe out the whole harvest of patiently nurtured plants. Setting it too late means that the brilliantly colorful plants inside the auditorium are more easily seen at that time in public gardens, the woods and visitors' own gardens. People who buy tickets would simply stay away.

So, the answer to the question—why doesn't the Show last longer—can be summed up: money, energy, time and

the ephemeralness of plant material.

At present the Show actually operates for nine days—eight days for the public and one day for a special afternoon preview for members and a special evening dinner preview for patrons.

Were we to go beyond those nine days, the cost of the Show could conceivably double. The Hall is rented on a per diem basis, and the additional rental would add to expenses considerably; we do not believe there would be a substantial enough increase in attendance to warrant the additional cost.

Another expense would be that almost every plant in the Show would have to be replaced sometime after the 10th day. During the Show the more tender plants are replaced two or more times; many arrangements are replaced

daily. Ticket prices would soar if all plant material had to be replaced.

Almost a bigger problem than money is people and their time and energy. At present, almost 1,000 people are directly involved in producing the Show. Many of these people are involved on a full-time basis almost two weeks before the Show and a few days after it, some 12 or more hours a day, often without a day off between. Many are volunteers who have blocked out the precious time from their professions, families or other commitments. Many of the professional horticulturists are heading into their busy seasons directly after the Show and have to shift into gear for that activity. The problem is adrenalin just goes so far; we don't think people could sustain the pace required to push the Show beyond its present time span.

●



CLIVEDEN

An oasis amid the bustling community of Germantown, CLIVEDEN, the pre-revolutionary country house of the Chew family for nearly two hundred years, stands on a six-acre glade of centuries-old trees. The house and furnishings have been acquired by the NATIONAL TRUST FOR HISTORIC PRESERVATION and is now open daily to the public from 10 A.M. to 4 P.M. (closed Christmas, Thanksgiving and New Year's Day).

For special group tour arrangements, call VI 8-1777 or write to 6401 Germantown Avenue, Philadelphia, Pa. 19144. Adults \$1.25; students, children, senior citizens \$0.50.





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- Trip to Southern Appalachians
- Trip to Washington, D.C.
- Local Garden Visit Days
- Trip to British Isles
- Botany for Gardeners

You Just Missed These Activities

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- Forced Bulb Workshops
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Some Other Benefits

- Largest horticultural library in Delaware Valley
- Monthly newsletter about horticultural activities
- Bimonthly, 36-page, four color magazine, *Green Scene*
- Free ticket to Flower & Garden Show and Harvest Show
- Horticultural Hotline

11

Detach and Return

APPLICATION FOR MEMBERSHIP

Membership Year, Jan. 1 - Dec. 31

- | | |
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| <input type="checkbox"/> STUDENT MEMBERSHIP \$10.00 | <input type="checkbox"/> FAMILY MEMBERSHIP \$30.00 |
| <input type="checkbox"/> ANNUAL MEMBERSHIP \$20.00 | <input type="checkbox"/> CONTRIBUTING MEMBERSHIP . \$50.00 |
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(one payment) | |

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An Urban Gardening Program

by Libby Goldstein
Urban Gardening Coordinator,
Pennsylvania State University
Cooperative Extension Service

The Urban Gardening Program is a people program. It was established by Congress in 1977 to help city people learn how to grow more food in their gardens and how to use those fruits and vegetables and herbs in the most nutritious ways to feed their families.

The Pennsylvania State University/Cooperative Extension Service Urban Gardening Program in Philadelphia was one of the first six such programs set up in 1977. The other cities in which the program was established that first year were Chicago, Detroit, Houston, Los Angeles and New York. In other words, since it was to be a pilot project in city gardening education, the six largest cities were selected for the first year. In 1978 ten more cities were added, among them Boston, Newark and Baltimore.

The program is administered by the United States Department of Agriculture through the Cooperative Extension Service and land grant colleges like Penn State. This means that whenever a question about gardening or food preservation or nutrition comes up that needs expert input the Philadelphia staff can turn directly to specialists throughout the University's Cooperative Extension system for advice and ideas. As it turns out it's been a two-way street. Philadelphia's gardeners grow a variety of minor crops that have been interesting to specialists and farmers alike as potential cash crops — Asian, Caribbean, and Latin American specialties in particular.

The Program divided the city into eight urban gardening areas: Northeast, Northwest, Southwest, North (east and west of Broad), South (east and west of Broad), and, of course, West Philadelphia. We have established a Demonstration Garden in each area where people can see new vegetable and fruit

cultivars, a variety of cultural methods from raised beds and wide-rows to various irrigation and drainage systems and garden structures from community built and used gazebos and barbecue pits to cold frames and rodent proof compost bins. A garden assistant is assigned to each area. Not only do the assistants garden at the Demonstration Gardens and conduct workshops and walking gardening seminars called "Walk Arounds" there, but they act as county agent to backyard, community and container gardeners throughout the area.

The garden assistants are the heart of the program. They meet with community gardeners, block groups, 4-H and other youth groups, churches and agencies almost daily to talk about producing, preparing and preserving fruit and vegetables in the city. They visit the hundreds of gardens developed by the Pennsylvania Horticultural Society and Philadelphia Green as well as independent community gardens to help people diagnose growing problems, grow more food in less space and generally exchange garden gossip. They often develop special written materials particularly for city gardeners, and they appear on area radio and TV shows to spread the gardening word.

garden phone

Everyday during the workweek and on Saturdays during the summer the assistants answer questions on the Garden Phone — 224-7870. The Garden Phone is also used by gardeners and other interested people to arrange for community meetings, workshops and other garden related educational activities.

We also publish a mostly monthly newsletter, *City Green*, which is free for the asking to any resident of Philadelphia County. *City Green* contains

growing hints, recipes, articles by gardeners and by the garden assistants.

If the garden assistants are the heart of the program, the head and hands are the Grow Patrol, men and women from all over the city who coordinate community gardens in their neighborhoods, help judge City Garden Week, translate gardening materials into Spanish, help other gardeners transport free goodies for their gardens and come up with all sorts of good gardening ideas and projects for their neighborhood. Grow Patrol members participated in special workshops in pruning trees and growing small fruit conducted by Penn State specialists in the spring as well as a wine-making workshop conducted by the Philadelphia staff. This year a whole series of workshops and seminars are planned for the Grow Patrol and some are going on right now.

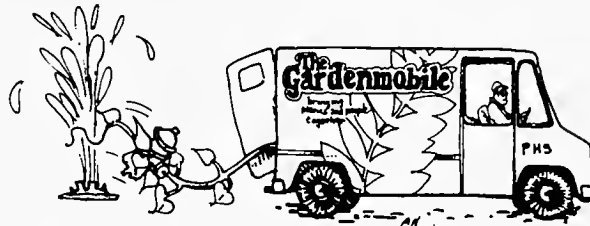
Penn State's Urban Gardening Program also sponsors two organic gardening clubs in Philadelphia in cooperation with Rodale Press's *Organic Gardening* Magazine. The Northeast Organic Gardeners have gardens at the Governor's Anti-Inflation Garden at Byberry, in backyards and even in New Jersey. Avid gardeners is an understatement. This year they are hoping to find enough land to grow some crops for sale to cooperatives and perhaps at Tailgate Markets. The Northwest Organic Gardeners have part of a community garden in Germantown as well as some ground on the Awbury Demonstration Garden. We would be glad to work with people in other parts of town who want to form organic (or not — your choice) gardening clubs in their neighborhood.

hale and hearty

Lots of people think you have to be hale and hearty to garden especially if

ARE YOU AND YOUR NEIGHBORS INTERESTED IN

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- Developing and planting a sitting garden?
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Call the Pennsylvania Horticultural Society – 625-8280.

you want to grow vegetables. That's just as wrong as it can be. Some of the older people at our David Neumann Centre Demonstration Garden (6600 Bustleton Avenue) have trouble bending, but that doesn't stop them. We've built raised beds, much like greenhouse benches, right out in the garden for them, and they garden with everyone else. Once you have growing beds like these, it's no problem to adjust their height for people in wheelchairs too, and ramps into the garden make it accessible to all.

During a Garden Tour that we and the Pennsylvania Horticultural Society co-sponsored last year ten members of the Center for the Blind garden in West Philadelphia joined us. They wanted to see other people's gardens so they could decide what to grow this year. They were particularly impressed by the Chinatown Community Garden where they found fuzzy gourd, which is really fuzzy, balsam pear, a lumpy cucurbit and yard-long beans. This year we are working with the Center's staff and volunteers to translate gardening materials into Braille and linear measurements into finger widths, handspans and other tactile dimensions.

Perhaps the most challenging aspect of the program has been advising people

to turn vacant lots with little or no soil depth and tith into productive gardens. One of the first pieces of advice is to have them contact the Pennsylvania Horticultural Society where they will get help on putting plans into action at the practical level. The Society helps with soil, fencing, cultivators, seeds, workshops, newsletters, etc. We were all aware of the social, healthful and recreational benefits of gardening, but we asked if we could really make a difference in the food budget of people who might be spending as much as 40% of their take-home pay to feed their families. It seems, at the moment, that the answer is yes. Even on community gardens where family plots are often as small as 200 sq. ft, people report substantially decreased vegetable purchases during the gardening season and the production of enough surplus to share food with neighbors and the extended family. Many people canned and froze garden produce for use during the winter and some produced enough to take them into the next gardening season. This kind of production from small gardens has come from the introduction of a variety of intensive gardening techniques and from helping people take advantage of the city's long frost-free season. The spring garden

may actually be planted in late fall so that many green crops are ready to pick in April and May. Two main season crops can be planted too, and then in July and August fall crops follow. It takes a lot of soil improvement, but it does work, and it's very exciting.

All Urban Gardening Program activities and services are open to all residents of Philadelphia County. For more information about the program, visit the Penn State exhibit here at the Philadelphia Flower & Garden Show or call the Garden Phone – 224-7870.

southeast region county agents

Berks County

James F. Haldeman
Berks County Agricultural Center
Leesport, Pa. 19533
(215) 378-1327 (8:30 to 4:30)

Bucks County

Richard A. Bailey
Neshaminy Manor Center
Doylestown, Pa. 18901
(215) 343-2800 (8:30 to 4:00)

Chester County

Robert A. Powers, Jr.
235 West Market Street
West Chester, Pa. 19380
(215) 696-3500 (8:30 to 4:30)

continued

Urban Gardening continued

Delaware County
James J. McKeehen
Toal Building
Second & Orange Streets
Media, Pa. 19063
(215) 891-2491 (9:00 to 4:30)

Lehigh County
S. Glenn Ellenberger
Room 604
Courthouse
Allentown, Pa. 18105
(215) 434-9471, Ext. 301 (8:00 to 4:30)

Montgomery County
Joseph H. Way
400 Markley Street
Norristown, Pa. 19401
(215) 277-0574 (8:30 to 4:30)

Northampton County
Charles B. Forney
Route 4
Nazareth, Pa. 18064
(215) 759-6120 (8:30 to 4:00)

Philadelphia County
William H. White
Southeast Cor. Broad & Grange Streets
Philadelphia, Pa. 19141
(215) 424-0650 (8:30 to 4:30)

new jersey county agents

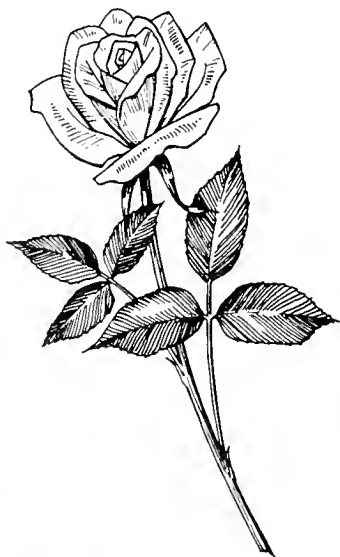
Atlantic County
Charles A. Dupras
1200 W. Harding Highway
Mays Landing, N.J. 08330
(609) 625-2203

Burlington County
Richard L. Washer
County Office Building
49 Rancocas Road
Mt. Holly, N.J. 08060
(609) 267-3300

Camden County
Leslie A. Miller
152 Ohio Avenue
Clementon, N.J. 08021
(609) 784-1001

Gloucester County
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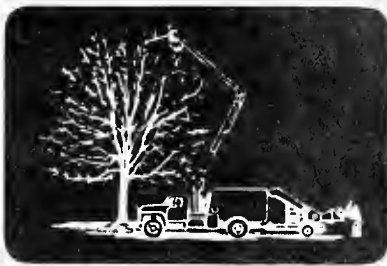
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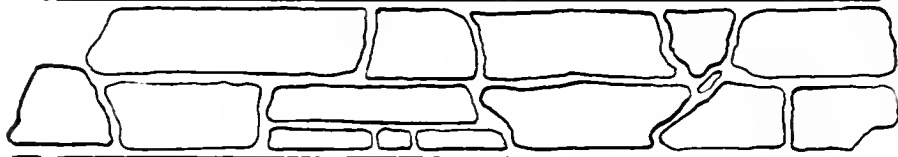
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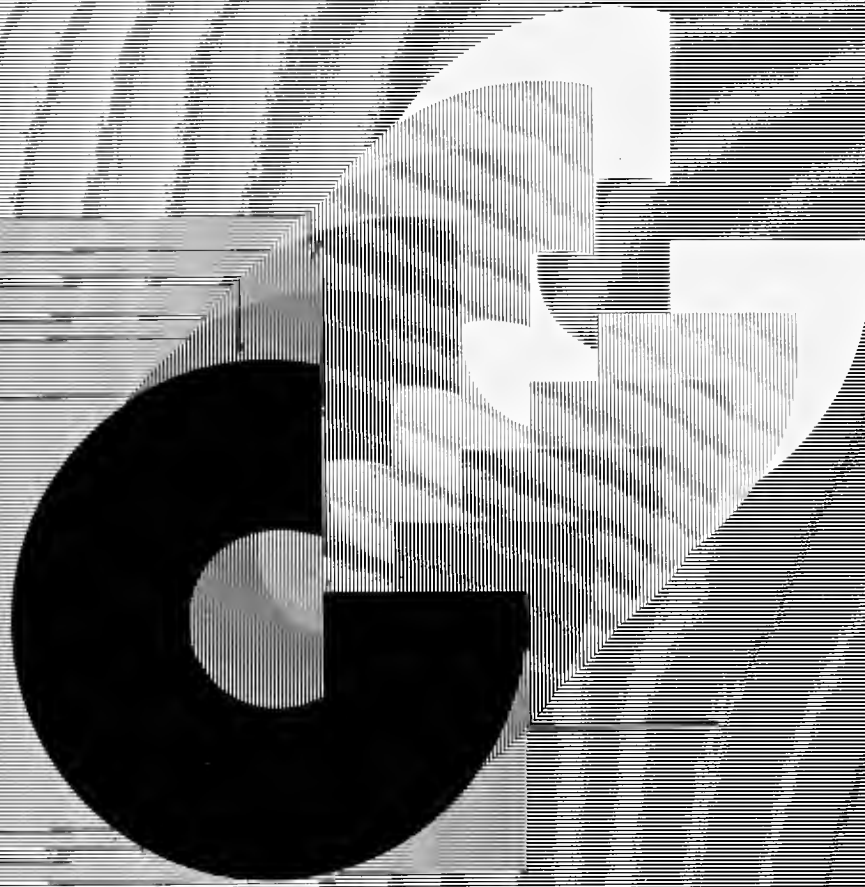
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The Horticult

A psychiatrist drops off his life-size unicorn topiary and returns to his practice; attache cases abound as a president of a securities firm, a lawyer, photographer, pediatrician, steel salesman all stop by to place their plants under the scrutiny of the passing committee and move on to their jobs. No longer is horticulture the province of only the affluent or the leisure class. For example, a surprisingly high number of orchid growers are in the health professions, and a survey of the exhibitors in the Horticult would yield a healthy representation of many different professions. You don't have to stay home all day and hold your plants' leaves to be a successful horticulturist. More and more people are adding horticulture to their avocations.

The interesting thing about these horticulturists is that they are not content just to grow plants, they want the challenge of exhibiting them with their peers and competing in the process.

The blue, red, yellow and white ribbons that you see dotting the Horticult, arrived where they are through a complex process of judging. This year for the first time you will find posted in the Horticult some of the criteria that went into the judging of these plants. Each class has its own scale of points, which add up to 100.

For example:

Hanging Baskets		Herbs
Cultural perfection	40	Condition
Floriferousness of foliage	20	Presentation (suitability of pot to plant, etc.)
Form and symmetry	20	Rarity
Color	10	Difficulty of culture
Grooming	10	Grooming
	<u>100</u>	

Listed below are some definitions of the criteria posted in the Horticult:

Cultural perfection: well grown, vigorous, compact (as compared to leggy), color and texture.

Design and Distinctiveness: originality, proportion and relationship to container, form, aesthetic appeal.

Grooming: pruning, no cut leaves; minimum visible support, cleanliness of foliage and flowers, top dressing.

The best judges are sought from all over the country and throughout the week about 32 judges meticulously check and rate competitive entries in the Horticult.

What's pleasing to the people working on getting exhibits in the Horticult is that in the last two years, close to 50% of the exhibitors have been new. That means we're serving our purpose, which is to stimulate and create interest in the art of horticulture.



18

Horticultural Classes in the Horticult

ENTERED AND JUDGED

Saturday, March 17; Tuesday, March 20 and Friday, March 23 (Exhibitor may enter plants listed in this section on one or all of the dates listed.)

BULB CLASSES

Miniature trumpet narcissus, Little Gem

Forced and shown in 8-in. bulb pan or 8-in. azalea pot

Trumpet narcissus, Beersheba

Small cupped narcissus, Edward Buxton

Cyclamineus narcissus, February Gold

Hyacinth, Delft Blue

Tulip, Peach Blossom

Amaryllis (grown and shown in a 6-in. pot)

Any named variety of hardy bulb not listed above:

Minor or miniature Muscari

Standard narcissus Crocus

Hyacinth Other

Tulip

GENERAL HORTICULTURAL CLASSES

- Containers under 8 in., one variety
- Flowering or fruiting plant(s)
- Herbaceous foliage plant(s)
- Flowering or fruiting woody plant(s): (a) formal, (b) informal
- Woody foliage plant(s): (a) formal, (b) informal
- Containers 8 in. or over, one variety
- Flowering or fruiting plant(s)
- Herbaceous foliage plant(s)
- Flowering or fruiting woody plant(s): (a) formal, (b) informal
- Woody foliage plant(s): (a) formal, (b) informal
- Hanging container. Flowering or fruiting plant(s), one variety
- Container: (a) 6 in. and under, (b) over 6 in.
- Hanging container. Foliage plant(s), one variety
- Container: (a) 6 in. and under, (b) over 6 in.
- Hanging container. Specimen fern
- Container: (a) 6 in. and under, (b) over 6 in.
- Hanging container with two or more plant varieties
- Container: (a) 6 in. and under, (b) over 6 in.

ENTERED AND JUDGED

Saturday, March 17

To be removed Tuesday, March 20)

- Window box (rejudged on Tuesday, March 20)
- A collection of ten or more plants grown by one to three exhibitors
- Miniature plant garden, a minimum of three species. Not to exceed 24 in. in any dimension.
- Strawberry jar, not to exceed 12 in. in any dimension.
- Terrarium over 12 in. and under 24 in. in any dimension. (To remain on Tuesday, be removed on Friday)
- Specimen begonia. Container 3 in. and under: (a) flowering, (b) foliage
- Specimen fern. Not higher than 10 in. including container: (a) hardy, (b) tender
- Specimen cactus. Container under 6 in.: (a) flowering, (b) non-flowering
- Specimen succulent. Container under 6 in.: (a) flowering, (b) non-flowering
- Plant material trained in three dimensions: (a) topiary (plant grown from a single stem), (b) on a stuffed form, (c) multi-stemmed plant
- Rock garden plant raised from seed by the exhibitor
- Rock garden plant from cutting; rooted and raised by the exhibitor
- Herb, culinary: (a) formal, (b) informal
- Herb, other than culinary: (a) formal, (b) informal

ENTERED AND JUDGED

Saturday, March 17

To remain in place throughout the Show)

- Cattleya and Alliance
- Paphiopedilum: (a) hybrid, (b) species
- Phalaenopsis and Alliance
- Vanda and Alliance
- Odontoglossum and Alliance
- Cymbidium: (a) standard, (b) miniature
- Dendrobium: species or hybrid
- Epidendrum and Alliance
- Oncidium and Alliance
- Miltonia and Alliance
- Miniature—any species. Plant and inflorescence not to exceed 6 in.
- Any other species not listed

ENTERED AND JUDGED

Tuesday, March 20

(To be removed on Friday, March 23)

- Window box (rejudging of Saturday exhibit. Changes may be made at exhibitor's discretion.)
- Windowsill collection, sunny window
- Miniature landscape. A naturalistic scene containing a minimum of three species. Not to exceed 24 in. in any dimension.
- Strawberry jar. Over 12 in. and under 24 in. in any dimension.
- Specimen gesneriad.
- Specimen begonia. Container over 3 in. and under 6 in.: (a) flowering, (b) foliage
- Specimen fern. Over 10 in.: (a) hardy, (b) tender
- Specimen cactus. Container 6 in. or over: (a) flowering, (b) non-flowering
- Specimen succulent. Container 6 in. or over: (a) flowering, (b) non-flowering
- Vine(s), climber(s) or creeper(s) trained on a form: (a) ivy, (b) any other plant material
- Rock garden cushion plant: (a) saxifraga, (b) other
- Specimen bromeliad
- Plant grown in the house. Flowering or fruiting. Container: (a) 8 in. and under, (b) over 8 in.
- Plant grown in the house. Foliage. Container: (a) 8 in. and under, (b) over 8 in.
- Three plants in bloom, in separate containers
- Identical plants in separate containers, grown as a pair. Container: (a) 6 in. and under, (b) over 6 in.

ENTERED AND JUDGED

Friday, March 23

- Windowsill collection, shady window
- Succulent plant garden or landscape containing a minimum of three species. Not to exceed 24 in. in any dimension.
- Primula. Challenge class.
- Terrarium not to exceed 12 in. in any dimension.

continued

GALE NURSERIES

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*A house & garden
tour to England
May 18-27*

Travel Arrangements

by

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ANYWHERE**

SOCIETY HILL TOWERS MALL
PHILADELPHIA, PA. 19106
(215) 925-2123

SEEDS for the Nurseryman and Forester

Ask for our free catalog of seed items. We also have a 14-page booklet, "How to Grow Seedlings of Trees and Shrubs," available at 25¢, which will introduce the beginner to the field of seedling culture.

F. W. SCHUMACHER CO., HORTICULTURISTS
SANDWICH, MASS. 02563



Horticultural Classes continued

Specimen begonia. Container: 6 in. and over: (a) flowering, (b) non-flowering

Specimen geranium. Total height of plant and container: (a) less than 8 in. (excluding flowers), (b) 8 in. or over

Herbaceous perennial in bloom

Novice class: (a) flowering or fruiting, (b) foliage (open to anyone who has never won a blue ribbon in the Horticultural classes of this Show)

Espalier: (a) flowering or fruiting, (b) foliage

Rock garden plant in possession of grower for at least six months.

Dwarf conifer. Must be a natural dwarf (not a bonsai). Not to exceed 15 in. in any dimension, including container.

Plant grown in the house: flowering or fruiting. Container: (a) 8 in. and under, (b) over 8 in.

Plant grown in the house: foliage. Container: (a) 8 in. and under, (b) over 8 in.

Plants for terrace decoration in a single container: (a) flowering or fruiting, (b) foliage, (c) cactus or succulent, (d) collection

Plants for terrace decoration, trained on a form: (a) flowering or fruiting, (b) foliage

Collection of three or more plants in a single container: (a) 12 in. and under in any dimension, (b) over 12 in. in any dimension

Cyclamen. Challenge class. One to three second year plants distributed by PHS in September, 1977.

LOOKING FOR THE UNUSUAL ??

TERRARIUMS

DISHGARDENS

TOPIARIES

POTS

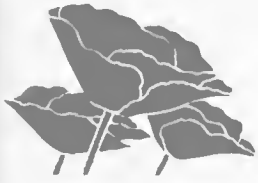
MINIATURE

PLANTED LAMPS

GREENHOUSES

WELDON NURSERY, INC.

LANDOVER & COOPERTOWN RD.
BRYN MAWR, PA. 19010



Special Exhibitors

ACME MARKETS, INC.

124 N. 15th Street
Philadelphia, Pa. 19101
John W. Bergstrand, Chair

TREASURES OF THE TROPICS

Erupting from this tropical island setting are cooling foliage and lush flowering plants worthy of this paradise. Best of all, some of these plants bear delicious fruit. Others are important to us for the synthetic products they make possible.

DIXON ESTATE

665 Thomas Road
Lafayette Hill, Pa. 19444
William H. Weber, Sr., Chair

SUMMER'S SOLITUDE

As you pass through the stately Victorian gate at the rear of this quaint garden, your attention may well focus on the rambling stone wall. It is alive with such wild plants as alyssum, artemisia, candytuft and ferns, all flourishing in its nooks and crannies. The garden's two levels boast flower beds abounding with many popular perennials and annuals. Surrounding a graceful 19th century gazebo are brilliantly colored blooms mixed in with some pastels.

FAIRMOUNT PARK

Belmont Office
West River Drive
Philadelphia, Pa. 19131
William E. Mifflin, Chair

LOGAN CIRCLE

To highlight one of the four original squares of Philadelphia by duplicating a section of Logan Circle as seen in the spring-time. By creating this model, using both plant material and artwork, we hope to show to the public the interrelationship between plants and structural objects in an urban area.

INTERNATIONAL SOCIETY OF ARBORICULTURE

Pennsylvania-Delaware Chapter
26 East Mill Road
Flourtown, Pa. 19031
Edward Martin, Chair

TREE CARE

Insects may not be among your favorite things, but think how trees must feel. Here, a half dozen trees infected by different pests help tree owners identify the culprits and examine the damage they can do. Information on insect control, including spraying (as demonstrated by a mannequin), is also available. Finally, six cavity logs indicate methods for wound repairs in trees.

MARTIN'S AQUARIUM

101 Old York Road
Jenkintown, Pa. 19046
Robert Weintraub, Chair
Collaborator: Arthur Poley, landscaper
325 Saw Mill Lane
Horsham, Pa. 19044

ORIENTAL AQUATICS

Straddling a pond and the earth is an imposing Japanese tea house filled with aquariums. The plants living both in and out of the water and the fish streaking through the pond are indigenous to the Orient. Plant kingdom representatives include cutleaf maples and evergreens; fish of the salt water variety safely swim in the tanks.

MEADOWBROOK FARM

Meadowbrook, Pa. 19046
Daniel McKeon, Chair

A COLLECTION OF HANGING BASKETS

Specimen plants cascade from baskets for a dramatic terminal feature in the Flower Show's center aisle. Gardenias are among them, being shown in this form for perhaps the first time. Other flowering and non-flowering plant materials include begonias, maples, and ferns.

PHILADELPHIA FIRE DEPARTMENT

Third and Spring Garden Streets
Philadelphia, Pa. 19123
Captain Charles A. Lewis, Chair

PHOENIX

Drawing on the ancient Egyptian religion, the phoenix (the embodiment of the sun god) here rises from the ashes before a representation of the sun temple. Semicircular beds of sunny flowers flank this bird. What a dramatic springboard for a display of the symbol of immortality, used on firefighters' emblems to this day.

ZOOLOGICAL SOCIETY OF PHILADELPHIA

34th Street and Girard Avenue
Philadelphia, Pa. 19104
Charles W. Rogers, Jr., Chair

THE PLANT ZOO

Since Pliny's Great Garden of Topiary, gardeners have trained plants of all kinds into shapes of all kinds. Bronze and stone statues of beasts stand alongside their topiary twins—living plants. Better yet, the Zoo includes a how-to display complete with plant materials, moss, and the all-important wire.



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22

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We may be a worldwide leader in insurance, employee benefits and financial services, but our homes and concerns are here. That's why we're proud to support activities that make our community better.

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Independence Square
Philadelphia, PA 19106
(215) 923-5300

**Alexander
& Alexander
The Allies**



Plant Society Exhibitors

AFRICAN VIOLET SOCIETY OF PHILADELPHIA

2050 East Orleans Street
Philadelphia, Pa. 19134
Tom Seiler, Chair

AFRICAN VIOLET SOCIETY

This eye-catching display of many varieties of African violets should provoke some compliments and some questions. Both are welcome in this atrium-type room, where society members stand ready and waiting.

AMERICAN RHODODENDRON SOCIETY

Philadelphia and Valley Forge Chapters
Kresson-Gibbsboro Road
Marlton, N.J. 08053
Ted Stecki and Ed Collins, Co-Chairs

RHODODENRONS IN THE GARDEN

Accept this invitation to the "world of rhododendron," as created by this society. Rhododendron buffs and the uninitiated alike should enjoy a close look at the various leaf forms, flower types, and growing habits of standard and dwarf size rhododendrons and azaleas.

DELAWARE VALLEY FERN SOCIETY

2976 Dorman Road
Broomall, Pa. 19008
Mrs. George R. Shaefer, Chair

HOW DO YOU MAKE FERNS?

"How do you make ferns?" asked a little boy at the 1978 Flower Show. He'll know if he returns in 1979 to see this classroom/laboratory, in which the society shows how ferns reproduce.

INDOOR LIGHT GARDENING SOCIETY

2720 Creek Road
Langhorne, Pa. 19047
Florence Gerst, Chair

UNIQUE SETTINGS FOR LIGHT GARDENS

Make your unwanted furniture and appliances into living light gardens. Look what the Indoor Light Gardening Society has done with a piano! And how about a table lamp as the basis for a light garden?

PENNSYLVANIA BONSAI SOCIETY

P.O. Box 305
Spring House, Pa. 19477
R. Luther Young, Chair

BONSAI

This educational and artistic exhibit of bonsai grown in the Delaware Valley is always a show-stopper. These dwarfed trees in carefully chosen containers range from a few inches to two feet high. Serving as accents to these majestic, trained trees are herbaceous plantings and complementary stones.

PHILADELPHIA AREA DAFFODIL SOCIETY

1747 Edge Hill Road
Abington, Pa. 19001
Mrs. George R. Haines, Chair

"DAFFODILS, NOT ONLY YELLOW. . ."

Did you know there are a dozen daffodil divisions? You see ten of the twelve here in an eye-level planting set up for better browsing. Daffodils grow in a wide range of colors, not only yellow, so posters reinforce the real thing by depicting the different shapes and forms, as well as colors.

PHILADELPHIA CACTUS AND SUCCULENT SOCIETY

83 Belair Road
Warminster, Pa. 18974
Newman C. Johnson, Chair

CACTA-MANIA

Sweeping the nation, Cacta-mania has taken root in the Philadelphia Cactus and Succulent Society. Its members are showing off their best varieties—some from germination, some full-grown—in a greenhouse setting.

SOUTHEASTERN PENNSYLVANIA ORCHID SOCIETY

510 Lionville Road
Downingtown, Pa. 19335
Honey Shattuck, Chair

ORCHID SPLENDOR IN MAYAN RUINS

The mysteries of Mayan civilization teaming with delicate orchids are hinted at here in this lush display. The orchids and foliage have overtaken the painted ruins of a Mayan temple to such a degree that the area has become one huge and wild bouquet.

23

Share the fun of growing orchids. Join . . .

THE DELAWARE ORCHID SOCIETY

Meetings are held the second Thursday
of each month.

— Memberships Welcome —

For a copy of our newsletter write:
Box 9414 Edgemoor, DE 19809

THE PHILADELPHIA UNIT HERB SOCIETY OF AMERICA

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ANNUAL HERB SALE

Thursday, May 3, 1979

Dr. & Mrs. Bryce Douglas
Kimberton, Pa.

(directional signs will be posted)



Floral Exhibitors

ALLIED FLORISTS OF DELAWARE VALLEY

426 Pennsylvania Avenue
Fort Washington, Pa. 19034
Robert Cullers, Chair

Staged by: Herbert Rothe
Rothe-Woltemate Florists
345 East Mt. Airy Avenue
Philadelphia, Pa. 19119

ALLIED GALACTIC GARDENS

In years to come, inhabitants of the planet Earth will depend even more than today on oxygen-producing plants for survival. This futuristic flower shop, constructed of gleaming chrome and mylar, anticipates the role of the 21st century florist. Look for a huge "terra-dome" amid this green and white environment.

FLORISTS TRANSWORLD DELIVERY ASSOCIATION

The Taylors of Penny Hill Flower Shop, Inc.
1521 Concord Pike
Wilmington, Del. 19803
William R. Taylor, Chair

AN OLD-FASHIONED LANGUAGE

Flowers speak an old-fashioned but enduring language—the language of love and beauty. Speaking elegantly, frivolously, boldly, the flower arrangements in this setting inspired by yesteryear are welcome gifts and decorations any time. Also

on exhibit are house plants, some of them in bloom, available throughout the free world from the 17,000-member Florist Transworld Delivery Association.

GEORGE ROBERTSON AND SONS, INC.

8501 Germantown Avenue
Philadelphia, Pa. 19118
Bruce Robertson, Chair

AN OLD WORLD FLOWER SHOP

Sensitively recreated is this old world flower shop. Its authentic accessories enhance the fresh and dried flowers and plants that were available to late 18th century lovers of things horticultural. Outside is the garden that keeps the shop well stocked and fragrant.

ROSES, INC.

841 Conestoga Road
Rosemont, Pa. 19010
William G. Giangulio, Chair

ROSES FOR EVERYONE

Who doesn't admire roses? Especially when they're massed together in tender and aromatic bouquets. There are so many varieties to choose from, so many colors and sizes. This exhibit testifies to that vibrant diversity. Roses aren't just for lovers and actresses. They're for all of us always.



From Us FLOWER LOVERS To You

It's always Springtime at your Allied Florist. His proud display of the Allied Florists' symbol means that:

- He loves flowers and plants, just as you do;
- His is the knowledge and artistry of the true professional;
- You can rely on the finest quality and service.

Look for our symbol.

ALLIED FLORISTS SAY IT BEST

Visit Allied's beautiful floral exhibit and ask for our hint-packed booklet that lists 250 Allied Florists dotted throughout the Delaware Valley.



Educational Exhibitors

AMERICAN ROCK GARDEN SOCIETY

Delaware Valley Chapter
908 Twyckenham Road
Media, Pa. 19063
Lee Morris Raden, Chair

FERNS WEST OF THE CONTINENTAL DIVIDE

The gems of the fern kingdom, says the American Rock Garden Society, are xerophytic ferns. They thrive in dry climates, especially in the American Southwest, in rocks at considerable altitude. This circular exhibit places the plants in appropriately realistic locations, all of them arid.

W. ATLEE BURPEE COMPANY

300 Park Avenue
Warminster, Pa. 18974
Jeannette Lowe, Chair

BURPEE'S SUN AND SHADE SUMMER GARDEN

Since nearly every yard has both sunny and shady areas, this display shows you how gardening in bright light and shadows can be beautiful and productive. The sunny areas glow with marigolds, zinnias, ageratum, and vegetables such as beans and tomatoes that need strong light. Blooming in dappled shade are begonias, coleus, and impatiens. A greenhouse completes this light spectrum, attractively integrated into the garden design and featuring chiefly annual plant material under different light conditions.

DELAWARE VALLEY COLLEGE OF SCIENCE AND AGRICULTURE

Route 202 and New Britain Road
Doylestown, Pa. 18901
Dr. John C. Mertz, Chair

URBAN SPRING

A small, enclosed yard behind a row house manages to create the illusion of space while maximizing the available gardening area. The plant materials here have proven tolerant to urban environmental challenges. Information is available on how to select such hardy plants, as well as on the container culture of woody and herbaceous plants.

FRIENDS HOSPITAL

Roosevelt Boulevard and Adams Avenue
Philadelphia, Pa. 19124
Mona Dwork, Chair

HORTICULTURAL THERAPY WITH ADOLESCENTS

The old and established horticultural therapy program at Friends Hospital is successful with people of all ages, but here adolescents are in the spotlight. And so are their projects—impressive objects made with plant materials and plants they've nurtured.

IKEBANA INTERNATIONAL

629 Spruce Lane
Villanova, Pa. 19085
Henrietta Mudrick, Chair

JAPAN TODAY

Flower arranging in Japan, Ikebana, is usually thought of as a very traditional, stylized art form. But the centuries-old Ikebana has not been untouched by the 20th Century. The proof is in this harmonious display, which effectively combines traditional arrangements with modern interpretations against a colorful backdrop.

LINCOLN HIGH SCHOOL

Rowland and Ryan Avenues
Philadelphia, Pa. 19136
David M. Kipphut, Chair

TECHNIQUES OF LANDSCAPE CONSTRUCTION

Small city gardens and patios can become more interesting with the proper construction techniques and a little imagination. This example brings together railroad ties, fieldstone, paving brick, slate, and other readily available materials in combinations that may start you thinking about your own backyard or deck.

MAXWELL MANSION

412 West Chelton Avenue
Philadelphia, Pa. 19144
Katie Giomi, Chair

THE VICTORIAN PLEASURE GROUND

How might a Philadelphia family's yard have looked a century ago? This handsome display is based on what records we have (particularly horticulturist-author A. J. Downing's works) of a typical middle class home in the late 20th century. Bordered by an iron fence, the greensward sets off typical features of the period: clusters of spring annuals, flowering trees and shrubs, and decorative iron garden furniture.

MORRIS ARBORETUM

9414 Meadowbrook Avenue
Philadelphia, Pa. 19118
Jane Herrman, Chair

FERNS: ENERGY PRODUCERS

Coal, one of our major energy sources, owes a lot to ferns and their primitive relatives. Here you may examine the process of coal formation in Pennsylvania during the Carboniferous period. Integrated into this presentation is information on the evolution of ferns and their continuing effectiveness as energy producers.

PENNSYLVANIA NURSERYMEN'S ASSOCIATION

E-1 Region

235 Cherry Lane

Doylestown, Pa. 18901

Martin Brooks, Chair

Staged by: Richard P. Wolff

Red Maple Nurseries

219 North Middletown Road

Media, Pa. 19063

PROPAGATION OLD AND NEW

Cloning, propagation by tissue culture that's making headlines, is just one of the dazzling techniques demonstrated in this well-lighted greenhouse. Other methods depicted include propagation by seed, by cuttings and by grafting. You can even see an expert graft one plant to another.

THE PENNSYLVANIA STATE UNIVERSITY

Cooperative Extension Service

400 Markley Street

Norristown, Pa. 19401

James K. Rathmell, Jr., Chair

TISSUE CULTURE — A COMMERCIAL PROPAGATING TECHNIQUE

Step by step you see what it takes to produce plants in a commercial tissue culture laboratory. You'll learn what plant materials are currently being propagated by cloning and future uses for micropropagation. This exhibit may take some of the mystery and science fiction out of cloning, but it won't diminish its wonder.

PHILADELPHIA ELECTRIC COMPANY

4040 Chestnut Street

Philadelphia, Pa. 19104

Warren E. Baumgartner, Chair

THE PHILADELPHIA ELECTRIC COMPANY WORKING TO MAINTAIN THE ENVIRONMENT

On the banks of the Susquehanna River in southeastern Pennsylvania is Philadelphia Electric's Muddy Run hydroelectric plant. And PECO's extensive recreational area that's open to the public. Not only has this company met federal regulations by preserving land around the Muddy Run facility, it has also upgraded the area by carving out a nature trail, administering a continuous recreational program, and

renting camp sites for a nominal fee. The display should give you an idea of the plant materials and animal life you'll encounter if you visit this preserve.

PHILADELPHIA WATER DEPARTMENT

1140 Municipal Services Building

15th and J. F. Kennedy Boulevard

Philadelphia, Pa. 19107

Frank Sense, Philadelphia Water Department, and Colleen Kelly, Bi-Products Systems, Inc., Co-Chairs

PHILORGANIC

Philorganic, the product of waste water treatment, has proven an excellent soil conditioner in the last three years. As you see in indoor and outdoor display areas and photographic presentations, Philorganic is beneficial to flower beds, lawns, trees, and shrubs. Attention, amateur and commercial growers!

ROSADE BONSAI STUDIO

303 Ely Road, R.D. 1

New Hope, Pa. 18938

F. Chase Rosade, Chair

BONSAI IN THE GARDEN

If you've always wondered how to train and care for a bonsai tree, here is your chance to see this art demonstrated and have your questions answered by an expert instructor. Because bonsai combines the horticultural with the aesthetic, the exhibit here deals with appropriate containers, stands, and tables for the dwarf trees.

TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION

Department of Horticulture and Landscape Design

Meetinghouse Road

Ambler, Pa. 19002

Glenn B. Geer, Chair

CONTAINER GARDENING

If you know what you're doing, even vegetables can be grown in containers. This display offers plenty of advice on just which flowering and vegetable-producing plants will do well in containers, how to choose the right pot and the appropriate soil mixture. It all adds up to a striking arrangement of greenery in containers that would brighten any deck.

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Mostard's offers a full selection of only the finest in brand name garden supplies, fertilizers and other products. Our Garden Shop features a distinctive array of pottery, baskets and decorative plant accessories to enhance the beauty of your plant decor both indoors and out. Remember, Mostard's staff is always ready to help you achieve the best results from everything we sell.

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Nursery & Greenhouses Inc.

We Know How To Grow

Beautiful plantings begin with the expert advice of Mostard's professional horticulturists. We'll show you how to become a "bloomin'" success by helping you select the right plants for your home landscaping needs. Choose from our large selection of healthy, quality shrubs, trees, roses and ground covers all ready to grow and to beautify your home.

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(215) 356-8035



Nursery Exhibitors

COUNTY LINE LANDSCAPE NURSERY

805 Harleysville Pike
Harleysville, Pa. 19438
Herbert Bieberfeld, Chair

SUNDAY AFTERNOON

Ah, for a lazy Sunday afternoon in the backyard "living room/dining room." This extension of the house proper shows one way to make an outdoor area more interesting: constructing different levels using decorative flagstones and bricks. They're attractive, permanent, and, perhaps best of all, maintenance-free. Sundays would be well spent in this practical, functional, and relaxing area.

GALE NURSERIES

School House Road
Gwynedd, Pa. 19436
Charles H. Gale, Chair

QUIETER DAYS

Who can resist the quaint, orderly quality of a late 19th century garden? Flowering trees, boxwood, native rhododendron, and arborvitae surround a formal flower garden of annuals and perennials. Among the bright blossoms are shasta daisies, delphiniums, hollyhocks, dusty millers, cannas, begonias, and lilies. Main Street-style, a Victorian house facade conjures further nostalgic images in the background.

HANSEN BROTHERS NURSERIES, INC.

472 S. Gulph Road
King of Prussia, Pa. 19406
Frederick F. Hansen, Chair

RHODODENDRON GARDEN

Regal rhododendrons. That's what we have here, in all their colorful splendor. Common varieties are massed to striking effect, some in the shade of popular flowering trees. This tolerance for some shade may suggest new placement possibilities to gardeners keen on rhododendrons.

JUDD'S HOLLYLAN NURSERIES

516 East Holly Avenue
Pitman, N.J. 08071
William Judd, Chair

THE ATSION VILLAGE STATION

A century ago, whistling trains stopped for passengers at this Victorian station in the Pine Barrens. Now abandoned, the wooden station lives again, if briefly, in the Flower Show. With the help of the Indian Mills Historical Society, this exhibit merges history and horticulture. Look among the blueberry, huckleberry, and wild cranberry bushes for insect-eating plants: sundew and the pitcher plant with its splendid maroon flowers.

MILL ROAD NURSERIES, INC.

357 South Gulph Road
King of Prussia, Pa. 19406
Gordon Eadie, Chair

GROWING THROUGH THE ROOF

See a greenhouse as you've probably never seen it before—looking through the roof, as you get a clear idea of its basic

structure and growth enhancing qualities. Outside, plants are thriving, too. Among the species native to Pennsylvania are the shadblow, serviceberry, azaleas, forsythia, white flowering dogwood, weeping crab apple, and purple leaf winter-creeper. Reflecting this primarily pink and white scene is a pond.

PERCY BROWN NURSERY, INC.

Box 119E, R.D. 3
Birdsboro, Pa. 19508
Galen L. Brown, Chair

PROGRESSIVE BUT NATURAL

Imagine sitting on this elevated terrace on a sizzling July afternoon. Even more cooling than the thick plantings would be the soothing water curtain, acting as a backdrop, and the water well—instant privacy and air conditioning.

ROSE VALLEY NURSERIES, INC.

684 South New Middletown Road
Media, Pa. 19063
L. Benjamin Palmer, Chair

CORNER ROCK GARDEN

Here's an attractive way to fill a troublesome corner. Start with height in the background, such as the Tanyosho pine and Hinoki cypress you see in this display. These and other evergreens in this garden will do well in the Philadelphia area, as they do here amid the (imported!) Delaware County rocks. Azaleas add dashes of living color.

SNIPES FARM AND NURSERY

U.S. Route 1
Morrisville, Pa. 19607
Joan Mathias, Chair

QUIET TIMES

The quiet times spent in a natural environment can be as cozy and relaxing as hours enjoyed before an indoor fireplace. The nearby hills and natural stone walls engulf this patio and fountain with color. In this secluded haven, the atmosphere is nothing short of romantic.

STAR ROSES

The Conard-Pyle Company
West Grove, Pa. 19390
Richard J. Hutton, Chair

Designed and staged by: L. Benjamin Palmer
Rose Valley Nurseries, Inc.
684 South New Middletown Road
Media, Pa. 19063

CLOSER TO ROSES

The design of this year's Flower Show rose garden allows you to walk right up to roses, check them over, and maybe even bury your nose in them. Among the roughly 400 rose bushes here arranged in three oval beds are the Christian Dior, the Queen Elizabeth and the Rosalynn Carter roses.

continued

Nursery Exhibitors continued

J. FRANKLIN STYER NURSERIES
 U.S. Route 1, P.O. Box 98
 Concordville, Pa. 19331
 Roland Taylor, Chair

CONTEMPORARY

As in many contemporary homes, space is at a premium in this setting. The entrance doubles as entertainment area and garden. Water, too, cleverly plays a dual role: as a mirror that creates a feeling of greater space—multiplying the size of the gardens—and as a visual and aural pacifier. Trees provide privacy, background interest and, of course, shade. Later in the season, annuals will replace the tulips.

VICK'S WILDGARDENS, INC.
 Conshohocken State Road, Box 115
 Gladwyne, Pa. 19035
 Alfred F. W. Vick, Jr., Chair

LIVING NATURALLY

The concept of natural living permeates today's thinking, but it's probably nowhere more appropriate than in garden design. This landscape scenario wraps a balconied house in a primeval environment: large trees towering over boulders, a waterfall flowing into several pools, numerous ferns, dainty

wildflowers, and native shrubs.

WHITEMARSH LANDSCAPES, INC.
 7 East Stenton Avenue
 Plymouth Meeting, Pa. 19462
 Stanley M. Leighton, Chair

AT DAY'S END. . .

Yes, a tranquil glade is possible in today's whirling urban areas. Rocks, water, and plant materials suitable to this region and selected for their low-maintenance characteristics join forces to fulfill the desire to be at one with nature.

WATERLOO GARDENS
 200 North Whitford Road
 Exton, Pa. 19341
 Roberts LeBoutillier, Chair

TRANSITION

Careful blending of the natural and man-made surroundings makes for a harmonious transition from this sunroom to the exterior garden. Celebrating the beauty of nature in this low-maintenance garden are a large topiary juniper, a thread-leaf Japanese maple, azaleas, rhododendrons, and clusters of white birch and dogwood trees.

AMERICA'S FINEST

AFRICAN VIOLETS AND GESNERIADS

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- ★ VISIT OUR FASCINATING GREENHOUSES
- ★ WRITE FOR COLOR CATALOGUE (20¢)



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Gardens in Competition

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The Garden Workers

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Mrs. David Gwinn, Co-Chair

Huntingdon Valley Garden Club

Mrs. David B. Smith, Chair

Mrs. Samuel L. Sagendorph, Co-Chair

Outdoor Gardeners

Mrs. Carl Newman, Co-Chair

Mrs. David S. Kaufman, Co-Chair

The Planters

Mrs. S. W. F. Hancock, Co-Chair

Mrs. Michael C. Mitchell, Co-Chair

The Weeders

Mrs. Rodman E. Thompson, Jr., Chair

Mrs. Robert L. Bast, Co-Chair



photos by Edmund B. Gilchrist, Jr.

1978 Garden: First Place: The Garden Club of Philadelphia

Room Sections in Competition



1978 Room: Join the Family. First Place: Wissahickon Garden Club

Class 131 TIME OFF

Bala Cynwyd Garden Club

Mrs. Adolph A. Schaefer, Co-Chair

Mrs. R. W. Honebrink, Co-Chair

Four Lanes End

Mrs. Julio E. Vassaluzzo, Chair

Audrey Secrest, Co-Chair

The Gardeners Garden Club

Mrs. Nicholas Biddle, Jr., Co-Chair

Mrs. H. Fairfax Leary, Co-Chair

Mill Creek Valley Garden Club

Mrs. Charles M. Fletcher, Jr., Chair

Norristown Garden Club

Mrs. George Yerger, Chair

Random Garden Club

Mrs. Alfred C. Borie, Co-Chair

Mrs. Edward W. Warwick, Co-Chair

Rose Tree Garden Club

Mrs. James Gassaway, Chair

Weeders Garden Club

Mrs. Mathews Williams, Chair

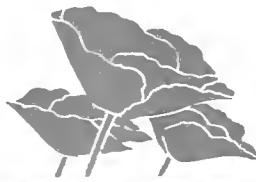


Table Settings in Competition



1978 Table: Win or Lose. First Place: Swarthmore Garden Club

photo by Edmund B. Gilchrist, Jr.

Class 132 AROUND THE WORLD

The Gardeners

Mrs. Charles L. Bolling, Co-Chair
Mrs. William P. Davis, 3rd, Co-Chair

Maple Glen Garden Club

Mrs. A. Grant Webb, 3rd, Chair

Moorestown Garden Club

Mrs. Gregory C. Nicholson, Chair

Old Eagle Garden Club

Mrs. John F. Hayes, Chair

Providence Garden Club

Mrs. Wilson M. Brown, Jr., Chair

Random Garden Club

Mrs. James W. Hovey, Co-Chair

Mrs. David Moran, Co-Chair

Seed & Weed Garden Club

Mrs. Bernard T. Converse, Jr., Co-Chair

Mrs. Henry H. Ziesing, Co-Chair

Spade & Trowel Garden Club of Kennett Square

Mrs. Carl Dengler, Co-Chair

Mrs. William Easton, Co-Chair

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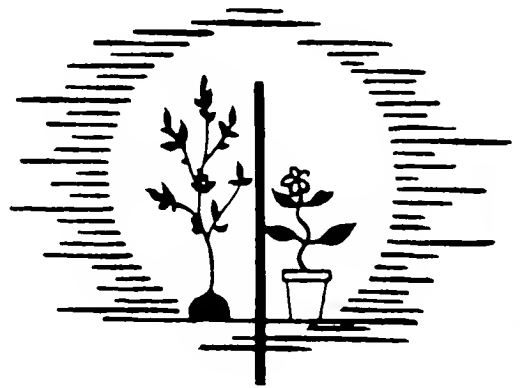
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Niches in Competition

All year long niche arrangers forage, root, acquire, borrow and invent odds and ends of material for their exhibits for this Show. They've appeared with dried bees or praying mantises, plastic tubing from a hospital operating room, a disc from a buzz saw, a copper colander, a shuttle from an old loom, rope, fish nets, driftwood, bread and eggs.

All year long, the arrangers eye carefully and assess closely the textures, colors and dimensions of the flowers, trees, shrubs or foliage they see. For line and rhythm they are partial to the euonymous, wisteria, bittersweet, corkscrew and fastigate willow. They use with assurance textures from the sturdy cactus to the delicate primrose or orchid.

Over the last several decades most arrangers moved from the opulent, lush mass arrangements of flowers to more spare, austere arrangements. An intermediate step has been the use of fewer flowers and foliage and a greater use of accessories. It's hard to say exactly whether this trend results

from aesthetics or economics. The cost of the mass arrangements is formidable today, particularly in early spring before cutting gardens yield their product. In the old days, an accessory was often one small objet d'art.

Entry rules for the niche section sternly advise exhibitors that they may not use artificial plant material or coloring or mutilate live plant material in their arrangements. Some arrangers even object to the growing use, some say overuse, of plastic accessories in the arrangements. The trend will not be reversed, but there may be a move toward more plant materials in the interpretation of the niche class.

Should one come to the Show each day, the range of styles, the spectrum of plant materials used would be a minicourse in arranging. Since the niches are changed daily the student of arranging would see 147 arrangements in the niche section only. Listed on page 37 are the titles of the niches to be interpreted.



1978: Cadenza. First Place: Mrs. William T. Baugh, Jr.



1978: Where in the World? First Place: Joanne Marie Hoelle

NICHES IN COMPETITION

1. Large
2. Medium
3. Small

Sunday, March 18

1. Geometrics. A colorful design.
2. Textures. A composition.
3. Small Wonder. A colorful, dried arrangement.

Monday, March 19

1. Shapes & Spaces. A design.
2. Animal Kingdom. Sculptured accessory required.
3. Take A Card. A composition inspired by, or using one or more playing cards.

Tuesday, March 20

1. Duet. A composition.

2. Leisure Time. Novice class. An interpretation suggesting a hobby.
3. Common Cents. A design incorporating one or more coins.

Wednesday, March 21

1. On the Job. An interpretation of a business or industry.
2. Elegant. An arrangement. Carnations to predominate.
3. The Incredible Egg. A design featuring any type of egg.

Thursday, March 22

1. Colorful Contrasts. A design.
2. Simply Beautiful. A mass

arrangement.

3. Wit and Wisdom. An interpretation of a quotation.

Friday, March 23

1. Nature's Forms. A composition.
2. Kitchen Korner. A design incorporating a kitchen utensil.
3. Sugar and Spice. A design using a spice or spices.

Saturday and Sunday, March 24 and March 25

1. Etched. A linear arrangement of dried plant material.
2. TV Time. Interpretation of the title of a TV program.
3. Orchids in Miniature.

Designs for Pressed Plant Materials

Class 141 Design for a Quilt

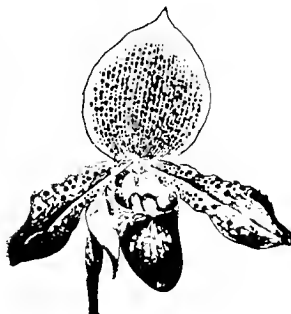
Class 142 A Mass Arrangement

Class 143 An Underwater Scene

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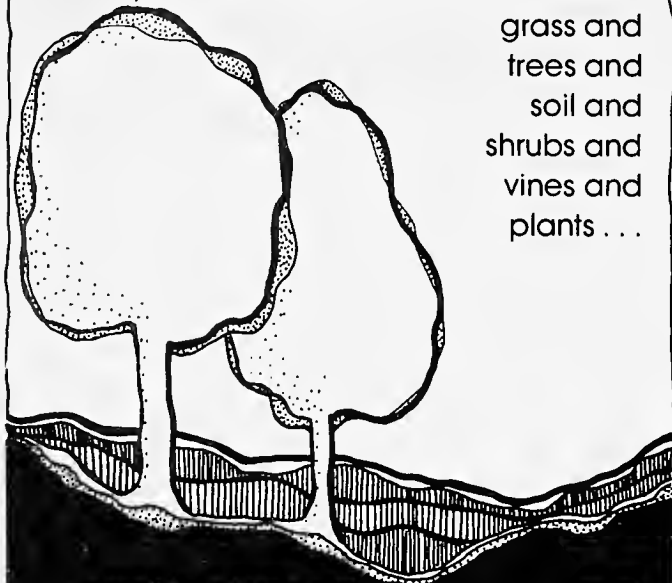
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poisonous plants

The agricultural community – more specifically the nursery and florist portion of the industry – is increasingly damaged by a proliferation of false and misleading commentary on the subject of potential hazards from plant life. The publication of half-truths and myths works a serious disservice on the general public as well.

The following statement is reprinted with permission of the American Association of Nurserymen to place this matter in an accurate and reasonable perspective.

I've been reading a number of books, magazine articles, and press releases with some really great titles – if you're a mystery story fan. Look at these:

"Deadly Harvest"

"The Sinister Garden"

"Poison in the Backyard"

"The Deadly Dozen"

Pretty scary, aren't they! These days when mass hysteria seems almost a way of life, it takes a pretty bloodcurdling title to attract attention.

And that would be all right, perhaps, except that *these* books and articles and newspaper columns aren't mystery-suspense stories. They all deal with the same subject: some plant life that grows contains substances harmful to humans under certain conditions.

That has been true, of course, since the beginning of the world – and it is a fact that every one of us must learn at about the same time we learn to live with matches, electricity, water, strange dogs and cats, traffic in the street, medicine cabinets, table salt, and any number of other elements in our environment.

But that's not the way the subject is being approached these days. The approach taken by most of the materials presented to readers makes a very strong impression that mother nature is lurking in every dark corner waiting to pounce with her green, growing weapons of death. And, unfortunately, a normally responsible news media has let its guard down and appears more

and false claims. than anxious to print such damaging **investigating the "crime"**

First, let's look at the weapon: poison.

A booklet written by a physician carries this statement: "In 1967, 2,890 poisonings by plants occurred; 2,884 of these involved children under five years of age." Think of it. 2,884 little children poisoned by plants in a single year!

The problem with this kind of statement is that it is misleading. In fact, knowing that it was written for laymen, a case can be made accusing the doctor of making a *false* statement. The fact is, the word *poison* is usually interpreted by the average reader to mean *death*. What does it mean?

The term "poisonous plant" designates many kinds of plants as well as a wide range of poisoning effects. The effects may generally be classified as: allergies; dermatitis or skin irritation; internal poisoning caused by eating plant parts; and mechanical injury from sharp prickles, spines or thorns. That's the definition in one of the authoritative books on the subject, written by a botanist and a pediatrician, James Hardin and Jay Arena.

So that's the weapon we're talking about. Plant poisons. They can make you sneeze, itch, scratch you, and some, taken in the wrong dosage, can make you sick or even kill you.

the source of the "clues"

But we need more facts, and there seems to be just one source of information on reported cases of "poisoning" from plants. That's the National Clearinghouse for Poison Control Centers in Washington, D.C. The statistical information in the books and magazine articles and newspaper releases on the subject all comes from that Clearinghouse. It was established in 1958 as the Poison Control Division of the Food and Drug Administration's office of Product Safety to collect the experiences of the hundreds of Poison Control Centers in cities all across the country and to distribute information

continued

The Case for the Guilty Garden

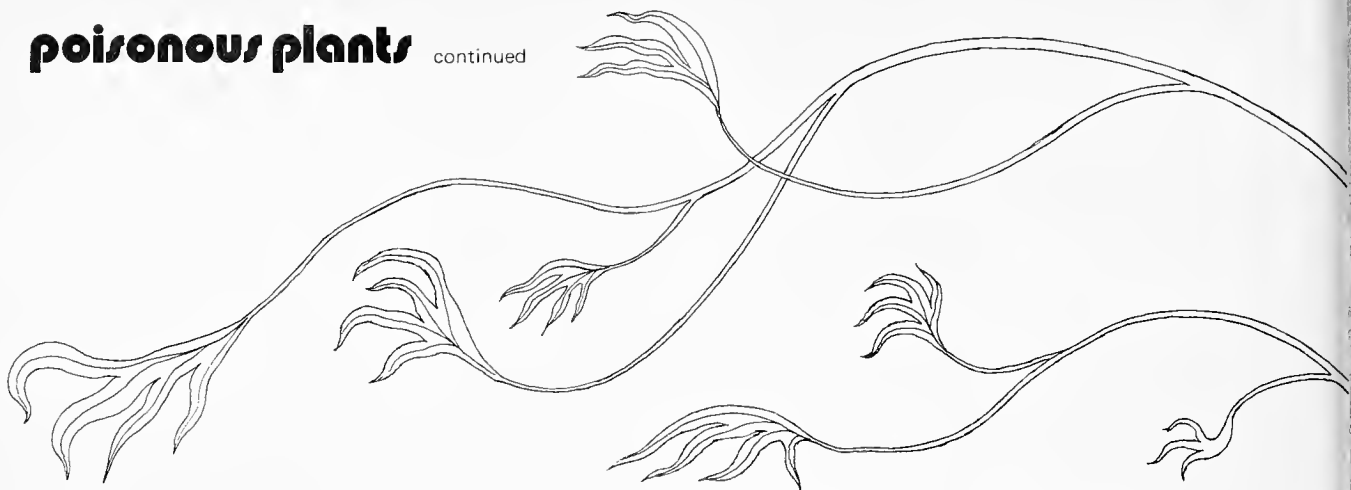


by Robert F. Lederer

Executive Vice President

The American Association of Nurserymen





to them.

It's interesting to see what can happen with the kind of statistics the Clearinghouse publishes.

Look at this headline from a supposedly reputable magazine: "Poisonous Plants Grow Everywhere — Even In Your Own House. And A Surprising Number of People Have Died from Eating Them."

Or this statement from a magazine article: "Of the 13,000 victims stricken by plant poisoning last year, some fatally, 12,000 were children."

Those are very frightening statements. But let's check them against the Clearinghouse report from which the writers got their information.

53 people were hospitalized that year for suspected ingestion of harmful plants. One person died from eating a quantity of rhubarb leaves.

So, the writer who used the phrase "some of them fatally" was writing about one person. And the other writer's "surprising number of people" also turned out to be that same individual. This kind of journalism is, of course, readily accepted by the reader but in fact serves no one's best interests.

So let's look even more closely at the data that is available from the National Clearinghouse for Poison Control Centers.

Although the Control Centers were originally established to serve the medical profession, last year 86% of the calls dealing with plants came from non-medical people. Instead of answering questions from medical professionals, the greatest number of cases were inquiries by concerned parents calling for information when their child had eaten some form of plant. This is a valuable service the Control Centers provide, and the first thing a parent should do is call a physician or the

Poison Control Center at the slightest suspicion that a child has eaten something "off limits."

But look what happens then. When the report of an inquiry is sent into the National Clearinghouse it goes into the computer as a reported case of ingestion, and a writer who is careless, either accidentally or intentionally, can translate that as a case of plant poisoning.

Here's an actual example. Somewhere in this country last year someone called a Poison Control Center and said, "My child has just eaten some wild blackberries! Is he in danger?" The people at the Poison Control Center probably looked in their records

You've heard about poinsettias. "Take a bite of a poinsettia leaf and you'll die."

Well, they mixed batches of homogenized poinsettia parts and force-fed the mixture in large doses to 160 laboratory rats.

What happened? Nothing. None of the rats threw up, or stopped eating, or got unromantic or died.

and said, "No danger. They're perfectly safe." (I'm quoting the blackberry information from the Hardin and Arena book I mentioned earlier, by the way.)

So far, so good. But that call about blackberries—and two others like it—are listed in the Clearinghouse report for 1970 as cases of ingestion—and blackberries are listed in their run-down of "Types of Poisoning." That's preposterous!

You think that's an isolated example? Not at all. A quick count shows at least 26 titles which don't belong on the list. "Beans," for instance. Just plain "beans!" Mulberries. Spices. That's right, a category identified as "spices."

Wild strawberries. Catnip. Nutmeg is on the list, and that's not even commonly available except as a processed food.

When that kind of list is used to make a case about plant dangers, the whole business is blown out of proportion with the result that plants in general are suspected of being poisonous.

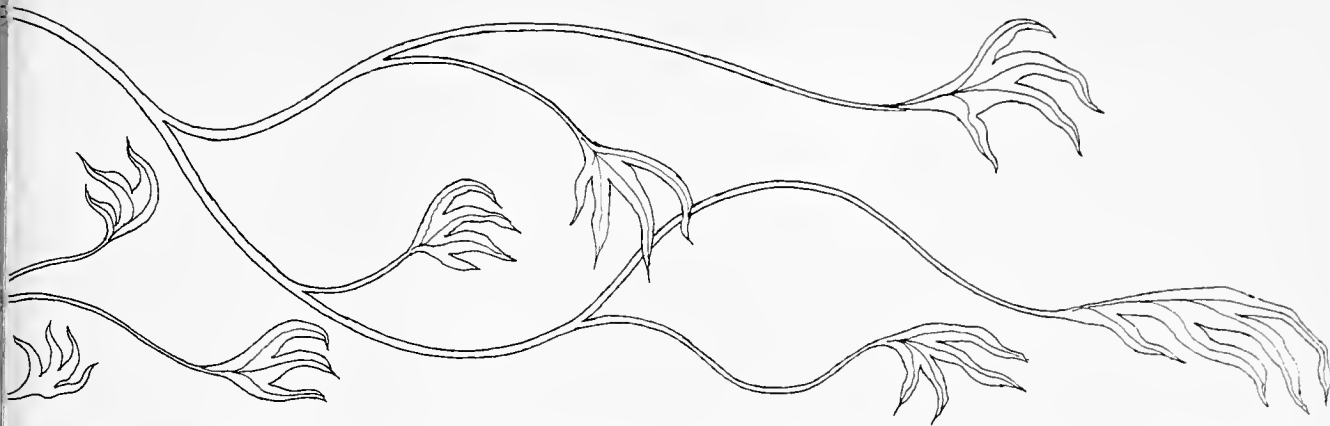
The National Clearinghouse reports a total of 4,308 cases of plant ingestion in 1970, and one-third of those were the kind of plants or products I've talked about that don't belong on a list of dangerous plants.

As I said, there were 4,308 cases reported by the Clearinghouse. 381 of them required treatment of one kind or another. That's 9% of the total, and that means 91% of the cases did not have treatment described in the report. 90 persons went to the hospital, 35 of them under five years old.

Two deaths were reported from the ingestion of plants. One of those was from an overdose of Peyote, an hallucinogenic drug that grows wild in the southwest. The other death was attributed to crab apple. Now, the medical authorities agree that crab apples, raw, in jelly, or in pies are perfectly safe and rather delicious, so we questioned the Clearinghouse on that one. Here's what they told us: "The 1970 death listed to crab apple was in error and due to a punching error." In other words, it was a clerical mistake. No death occurred. But just wait; soon you'll be reading lurid newspaper stories about the deadly crab apple which is striking down innocent victims! And when that happens, please remember it just ain't so.

pause for a mid-point summary

I've tried to make two points so far. One, there are a number of reckless



writers publishing frightening but false information based largely on what must be concluded to be an intentional misuse of statistics collected by the National Clearinghouse for Poison Control Centers.

Two, it's fairly easy to misuse those statistics if you want to, because the way they're put together needs some serious overhauling. I'm happy to report that, partially as a result of our investigations, the Clearinghouse is taking steps in that direction, particularly in the proper labeling of some of their charts and tables. For example, they have written to us saying, "'Type of Poisoning' on page 9 of the September-October 1971 Bulletin would be more accurately worded 'Type of product reported to be ingested.'" That's good progress.

a third point

Now there's a third point to make. It is possible (and probably more profitable) to write half-truths or folklore stories for the sake of drama. Here's a sample.

One writer said, "Rhododendron contains a poison that has shown up in honey made by bees that visited the plant." He's right as far as he went. But what he *didn't* say is that the honey had such a vile taste no one could accidentally eat the large quantity needed to be harmful.

Another one wrote: "Many people have died merely from eating steaks that have been speared on oleander twigs and roasted over a fire." The leaves and wood of the oleander are not suitable for human consumption, and people have been made ill from using their branches as skewers. Avoid doing that. But we have not been able to find any record of anyone having been fatally poisoned in this way. Our con-

clusion, and that of the medical authorities we have researched, is that this is an old wives' tale. It makes a spine-tingling story for a certain type of writer, but there aren't facts to back it up.

the poinsettia story

And one of the most persistent old wives' tale of them all is finally being put to rest, I think. Two scientists at the Ohio State University have published the findings from an elaborate research study they made with poinsettias. You've heard or read about poinsettias, "Take a bite of a poinsettia leaf and you'll die."

Well, Robert Stone and W. J. Collins mixed batches of homogenized poinsettia parts and force-fed the mixture in large doses to 160 laboratory rats. (They had to force-feed the stuff because poinsettias really taste awful.)

What happened? Nothing. None of the rats threw up, or stopped eating, or got unromantic, or died.

In other words, their results coincided with those of other scientific investigators who have analyzed the whole plant and found the extracts to contain common plant sterols or triterpenes—none considered commonly toxic. And they are unable to find any *authenticated* record of a person dying from eating poinsettias.

With the new research report in his hands, the Director of the Division of Hazardous Substances and Poison Control at the Food and Drug Administration's Bureau of Product Safety has said: "We concur with the investigators that large doses of homogenate of the poinsettia plant are not toxic to the rat." And he says, ". . . to our knowledge the ingestion of small amounts of the poinsettia plant has not presented a serious health hazard."

John M. Kingsbury, perhaps the

foremost writer on the subject, has informed Stone and Collins that he is modifying his public statements in accord with their findings about poinsettias.

And perhaps those popular writers who have a field day every Christmas season with their dire warnings about the prettiest holiday plant of them all will take a cue from the FDA and Dr. Kingsbury. I suppose it will take awhile.

positive action

What am I saying — that we should be unconcerned about poisoning from plants, or that the general public should not be informed on the subject? Not at all.

There are plants that are hazardous if they are used improperly. Some cause allergies. Some skin rashes. Some can cause death.

Some are found in the home environment, and everyone should know them. *Most* are found in the wilderness, and anyone going on an outing should be able to identify them.

the solution

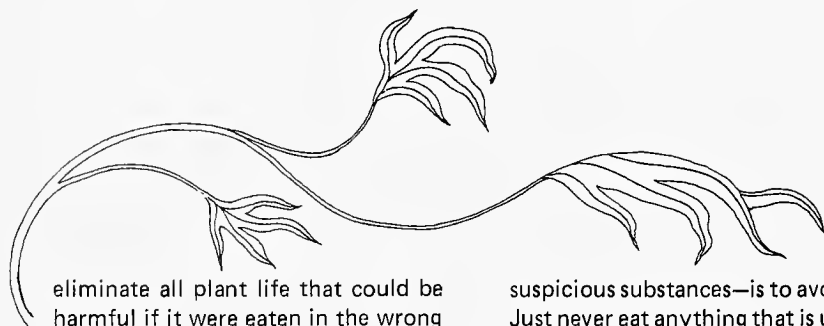
What is needed is accurate, reasonable and factual information, free of flaming words and alarmist phrases that some seeking recognition seem to enjoy using.

I want to suggest five steps that I think must be taken as protection against the danger that exists from those plants that are harmful. But first I want to say a word about a couple of ideas that have been encouraged by the sensational literature on the subject, ideas that deserve to be rejected.

two courses to be rejected

Now and then someone will propose that all plants identified as poisonous be outlawed and destroyed. This is just plain impractical. There is no way to

continued



eliminate all plant life that could be harmful if it were eaten in the wrong quantity or in the wrong way.

Because potato shoots or leaves can cause indigestion doesn't mean that we stop eating potatoes. The one death from plant poisoning recorded in 1969 was from eating rhubarb leaves, but that doesn't mean we should make rhubarb pie illegal.

Another suggestion has been that all plants with harmful potential be *labeled* with some kind of warning. In most cases, plants involved in reports of adverse effects are native plants that people come in contact with in the wild, and the task of labeling them is pretty ludicrous. Other reasons for not labeling have been presented, but fortunately, attempts to legislate labeling were dropped just recently—so I won't go into them here. And that brings me to the positive steps I think are so important.

And that brings me to the positive steps I think are so important.

five protective steps

First, and this is the best rule of all. The effective way to deal with the problem of hazardous substances—any

suspicious substances—is to avoid them. Just never eat anything that is unknown to you. And, as part of that rule, be sure every child in the family learns that same lesson.

Second: become familiar with the plants in your area, yard and home. Know them by name. Your retail nursery center or florist can help you identify those that could cause an adverse reaction under certain circumstances, and it will be good to have the scientific name for them.

Third: if your children use any kind of seeds or fruits or stems as playthings or as skewers for meat or marshmallows, be sure you know what they are. If you're not sure, substitute them with something you recognize.

Fourth: avoid smoke from any burning substance, including plant material, unless you know exactly what it is and that it is harmless.

Fifth: in any case of suspected ingestion of an unknown substance call your doctor or the Poison Control Center. Be prepared, if at all possible, to give the name of the substance involved, and save any evidence that might help to identify it.

in conclusion

More than 700 plants have been identified as "poisonous"; but that means anything from a mild allergy to a severe indigestion or, in isolated cases, death if the wrong part of the wrong plant is eaten in the wrong way. Hysterical shouts and impetuous, ill-advised action are not the answer. Accurate information, given to the public in a properly prepared program of education, is.

The men and women of the nursery and florist industries want every individual to be informed, so everyone can enjoy nature's bountiful growing gifts, in safety, without fear.



For Information About Poison Control in Your Area

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Wilmington, Delaware	302-655-3389
North Jersey	
Newark	
Children's Hospital	201-484-8000 Ext. 419
Beth Israel Hospital	201-923-6000
South Jersey	
Camden	609-963-8830 Ext. 351
Maryland Regional	301-528-7701
Baltimore	
Johns Hopkins Hospital	301-955-5000
University of Maryland Hospital	301-528-2121

If these numbers are not geographically close, call your information operator and tell her/him that you want the Poison Control Center nearest you. Your cooperative extension agent also has an up-to-date list of emergency centers.

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118	Ashwood	44	Depot Greenery Box 3 Telford, PA 18969 Plants	99	Frontier Fruit & Nut Co. 482 Somerset Road Akron, OH 44313 Dried Fruits & Nuts
119	R.D. 4 Boyertown, PA 19512 Organically Grown Herbs, Forced Material, Potting Supplies, Bulbs, Bonsai	32	Edelweiss Gardens Box 66 Robbinsville, NJ 08691 Orchids, Bromeliads, Carnivores	31	Fruit Bread House Division Appl-Q Products Park & Norwegian Streets Pottsville, PA 17901 Fruit Breads
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122	Flower & Vegetable Seeds, Garden Products	110	Encyclopaedia Britannica 425 North Michigan Ave. Chicago, IL 60611 Encyclopaedia Britannica 3, and Other Related Publications	18	Glengarry Gardens, Inc. P.O. Box 284 22 Meshoppen, PA 18630 Nature's Miracle, Propagat- ing Kit, House Plant Seed
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85	H & H Sales	98	Orol Ledden & Sons	82	The "Plant" Smiths
86	Star Rt. 1, Box 180		Sewell, NJ 08080		2043 Chestnut Street
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29	Happy Glass		Miller's Plants	54	Harold E. Shatz
	2865 Walnut Hill Street		1810 E. County Line Road	55	7514 Sherwood Street
	Philadelphia, PA 19152		Huntingdon Valley, PA 19006		Philadelphia, PA 19151
	Leaded Stained Glass Sun-catchers, Baskets, Lamps	109	Plants & Products		Jewelry, Magnets
27	Hawaiian Nurseries		Mini Handcrafts Boutique	2	Stony Maloneys
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	Califon, NJ 07830		Riverdale, NY 10463		Akron, OH 44313
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	Philadelphia, PA 19124		Laurel, MD 20810		McKee City, NJ 08232
	Holland Imports		Greenhouses		Plants, Cut Flowers, Pottery, Macrame, Plant Food
73	House Plants & Porch Gardens Magazine	116	New World Sales, Inc.	61	Vegetable Factory, Inc.
	1 Aldwyn Center	117	616 Prospect Avenue	62	71 Vanderbilt Avenue
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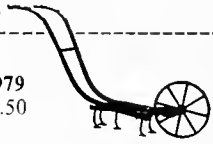
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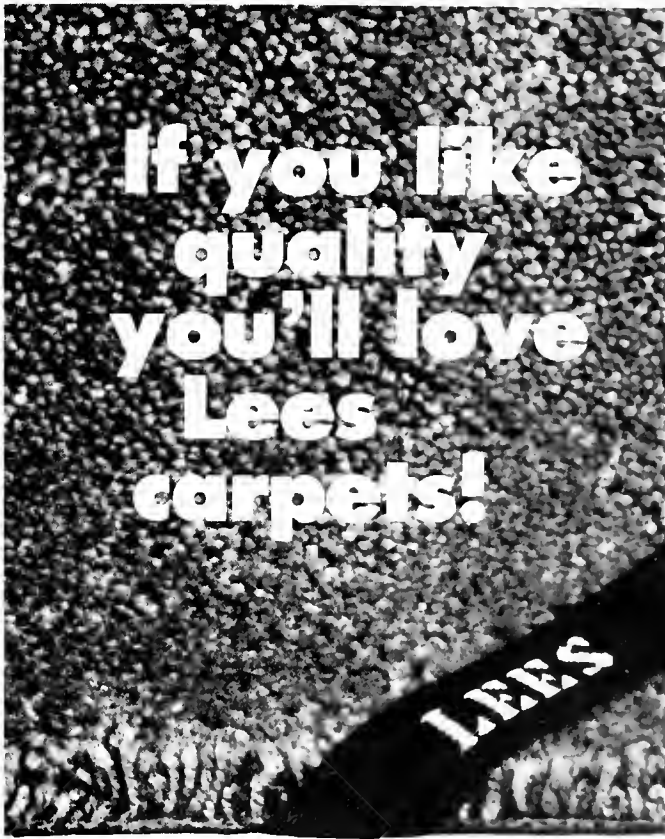
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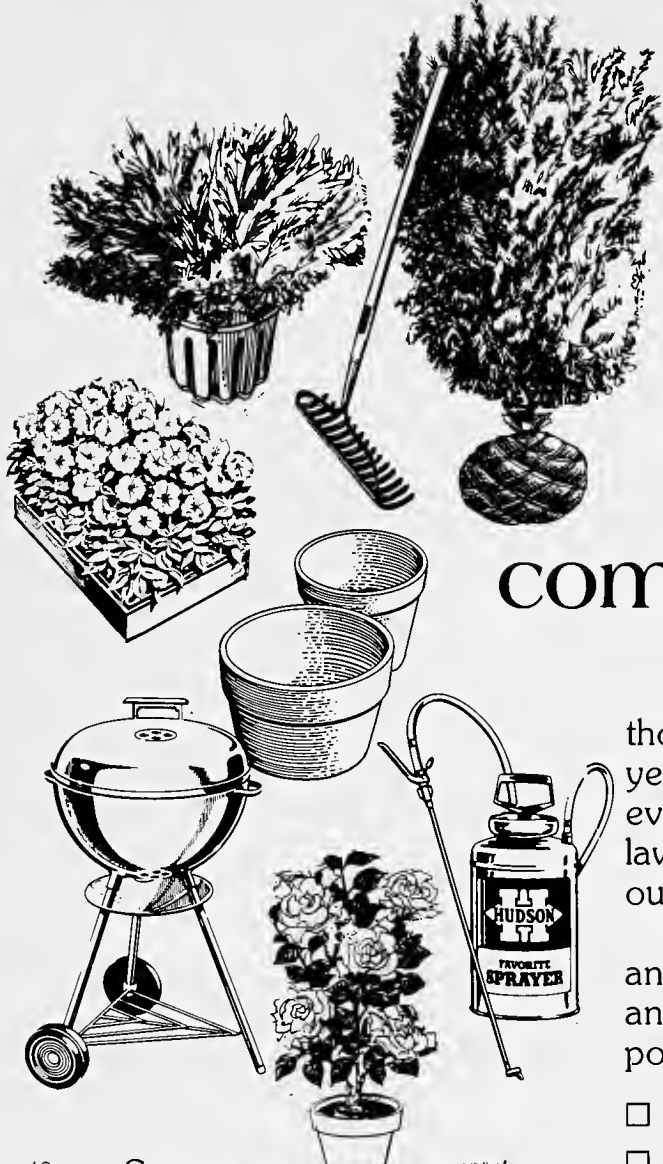


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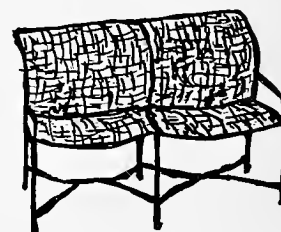
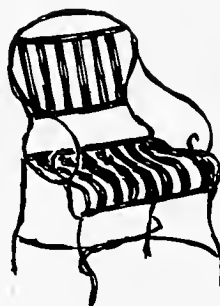
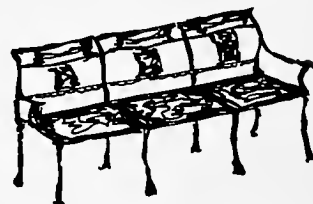
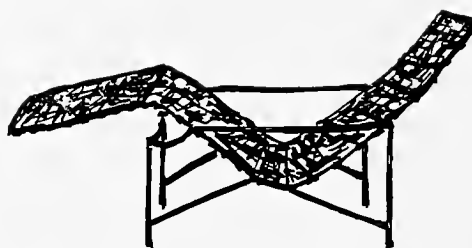
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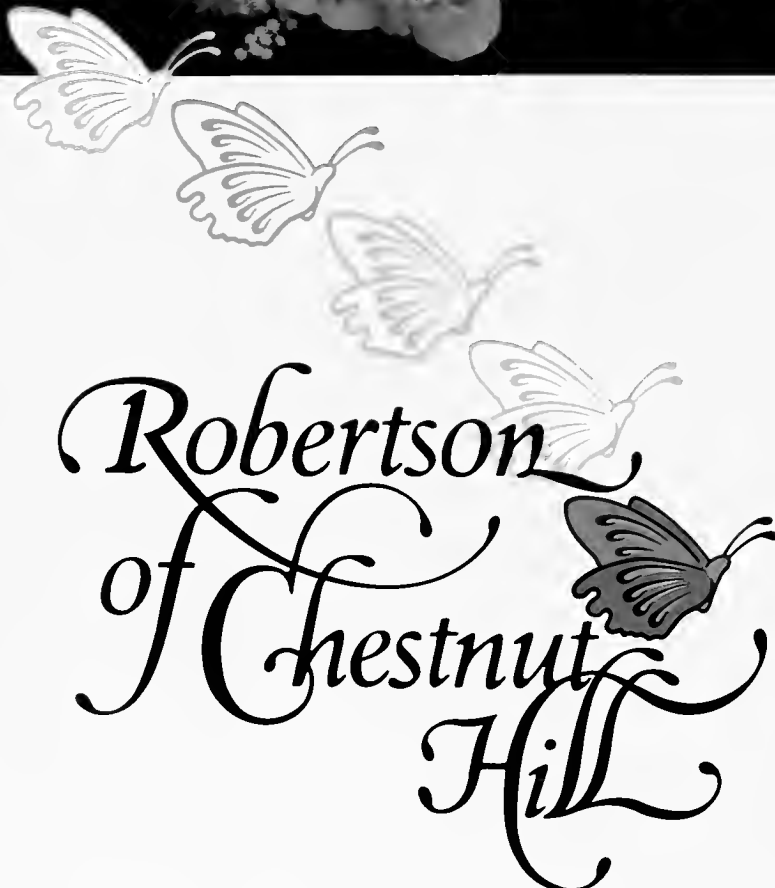
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Show**



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1980 PHILADELPHIA

Flower & Garden Show

WELCOME TO THE SHOW!

Whether you are a first-time visitor or one of the thousands who annually make this occasion a part of their "get-ready-for spring" routine, we feel certain you will enjoy the Show in all its varied aspects.

In past years the entrance exhibit has featured one large display. This year there are four features: the floral fountain was designed and staged by Allied Florists; the topiary carousel featuring Pooh Bear and 25 other animals by the Philadelphia Zoo in cooperation with the Pennsylvania Horticultural Society. The islands of delphiniums and primulas were grown by the Lammot duPont Copeland Estate and the Challenge Gardens designed and constructed by members of four local garden clubs.

Nowhere else can you find a Flower Show like this . . . five acres under cover, crammed with the colorful wonders of the world of horticulture. And what better time to find it than in the waning days of winter.

Awaiting you are nearly 50 exhibits staged by nurseries, plant societies, educational institutions, garden clubs and other organizations. And there is the Horticourt where individuals display an amazing range of house plants. All delight the eye. They also offer opportunities to increase your knowledge of how to grow and care for green "things" of all shapes, colors and sizes.

It has taken the joint efforts of more than 1000 people—a great many of whom are volunteers—to plan, stage and conduct the day-to-day operation of the Show.

To workers and visitors I say thank you, on behalf of the Pennsylvania Horticultural Society.

Herbert W. Goodall, Jr.
Chair
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Two Philadelphia Flower and Garden

Good ingredients make good recipes. So it is with the Philadelphia Flower and Garden Show which for 15 years has been blessed with two wonderful ingredients—Jim McCarvill as Show Manager and Evelyn Hett as Show Secretary. After this Show both Jim and Evelyn plan to retire. To them we say a million thanks and au revoir.



photo by Steven Goldblatt

4

JAMES P. McCARVILL, Show Manager

Almost every year a last-minute crisis falls on the shoulders of the Show Manager. One year Jim McCarvill almost had to build the Show around the remnants of the Boat Show because it was snowing too hard to move the vessels out of the Civic Center. Another year a certain nurseryman called Jim two weeks before the Show was due to open to confess that he had not forced the dogwoods he had promised for the Show's central feature. In 1969, the Show theme was "Flowers Around the World." To complete this exotic theme, the Flower Show Executive Committee asked Jim to order a mass of proteas from South Africa. The proteas were shipped from the Kirstenboch Botanic Garden to Holland. From Holland they were flown over Philadelphia to Detroit. Finally, as everyone was mourning the loss of a Show stopper, the proteas arrived in

Philadelphia just in time for the opening ceremony.

As manager, one of Jim's greatest contributions to the Philadelphia Flower and Garden Show has been the reorganization of the Show's trade booth section. After a lot of cajoling and pleading Jim finally filled 54 trade booths for his first Show in 1966. This year there will be 123 trade booths and 70 potential exhibitors on the waiting list.

When Jim became manager of the Philadelphia Flower and Garden Show in 1966, he was a veteran showman. While he barely knew the difference between a dogwood and a daffodil, he was in show biz. He had organized shows for RCA for 25 years and knew the ins and outs of tickets and programs and safety requirements. He was prepared to deal with the carpenters' and electricians' unions, the security

guards and the trade booth group.

Since 1966 Jim has overseen the installation of numerous major Flower Show exhibits. He has watched the planting of hundreds of dogwoods in the Civic Center, and ordered thousands of daffodils. He has gained the love and respect of the exhibitors who return to him year after year with their problems. Among the exhibitors Jim is recognized as a masterful mediator. He is always cheerful and cooperative, but he has the knack of getting results without offending his friends.

On behalf of the 2,000,000 visitors who have attended Philadelphia Flower and Garden Shows since Jim became manager, we say thank you. We will miss your calm comments in times of last-minute crises, your tactful remonstrances and, above all, your friendly smile.

Show Stalwarts Plan to Retire . . .

EVELYN HETT, Show Secretary

15 years of working on Philadelphia Flower and Garden Shows have turned Evelyn Hett into a walking encyclopedia of basic Flower Show facts. She's the one who masterminds the production of the Exhibitors' Guide and Schedule, she helps frazzled exhibitors find crucial last-minute items such as signs, rubber cement and correct scientific names.

Before the Show opens, Evelyn moves into the Civic Center with four

huge vans full of staging equipment that has been in storage since the previous Show. All manner of things pour out of Evelyn's vans—plywood floors, sign stanchions, fencing, benches, and niches. From the Horticultural Society headquarters on Walnut Street, Evelyn brings 12 typewriters, a couple of desks, files, 150 clipboards for judges and clerks, 75 plexiglas trophy display boxes and a trunk full of essentials such as band-aids, paper clips,

telephone books and assignments for the hundreds of volunteers with whom she works every day of the Show. As a member of the Flower Show Horticultural Committee once said, "Evelyn brings things we haven't thought of asking for yet."

Evelyn joined the Pennsylvania Horticultural Society staff in time to help plan the 1965 Flower Show. That year the Flower Show Committee's first challenge was very basic. The old Grand Exhibition Hall had been torn down, and the new Civic Center was not open for operation. After an intensive search, the Committee settled on the First City Troop Armory as the hall for the 1965 Show. As Flower Show Secretary, Evelyn's problems had just begun. First she entered into delicate negotiations with the Captain of the City Troop concerning the removal of an old tank that occupied one end of the hall. The Captain naturally assumed that this piece of equipment, so essential to his business, would be equally valuable for Flower Show staging.

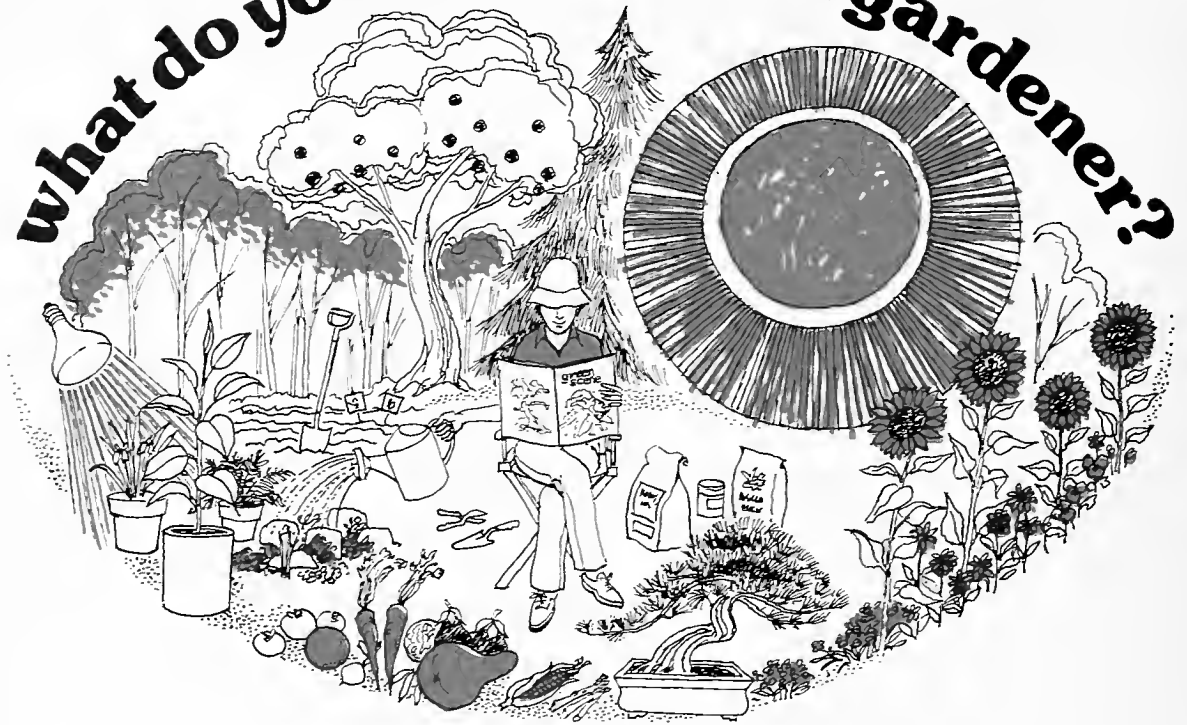
Later Evelyn discovered the Armory had only a couple of toilets to serve the anticipated 30,000 Flower Show visitors. To solve this problem Evelyn hired "three of each" Johnnies-on-the-Spot. Always considerate, she also ordered thousands of Wash'n Dri towels to make up for the lack of running water in the Armory.

Among the staff of the Pennsylvania Horticultural Society and the thousands of volunteers who have participated in Flower Shows since 1965, Evelyn will be specially remembered for her contributions to the Show's Competitive Classes. An estimated 14,000 Horticultural and Arrangement entries have passed under Evelyn's eagle eye in the last 15 years. Volunteers and staff alike are wondering who is going to remember all those details in years to come.



photo by Leland D. Schemm, Jr.

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6

We've published stories about growing plants on your cellar steps, building a solar greenhouse, growing raspberries, moving trees, bonsai and the oldest trees in the area. Indoor plants and outdoor plants; public gardens and private gardens. The articles are written by the gardeners themselves.

Every July we publish a whole issue about a single subject. These issues have been about soil, growing plants in containers, pruning—large plants and small plants, propagation, fixing flowers and pests. This year we're going to go back to the basics. Great for beginners and a good review for the experienced.

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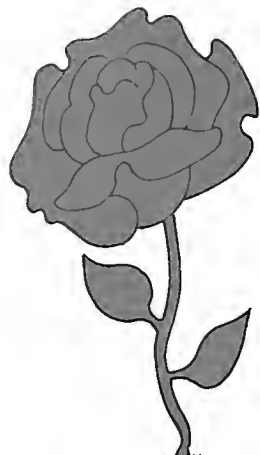


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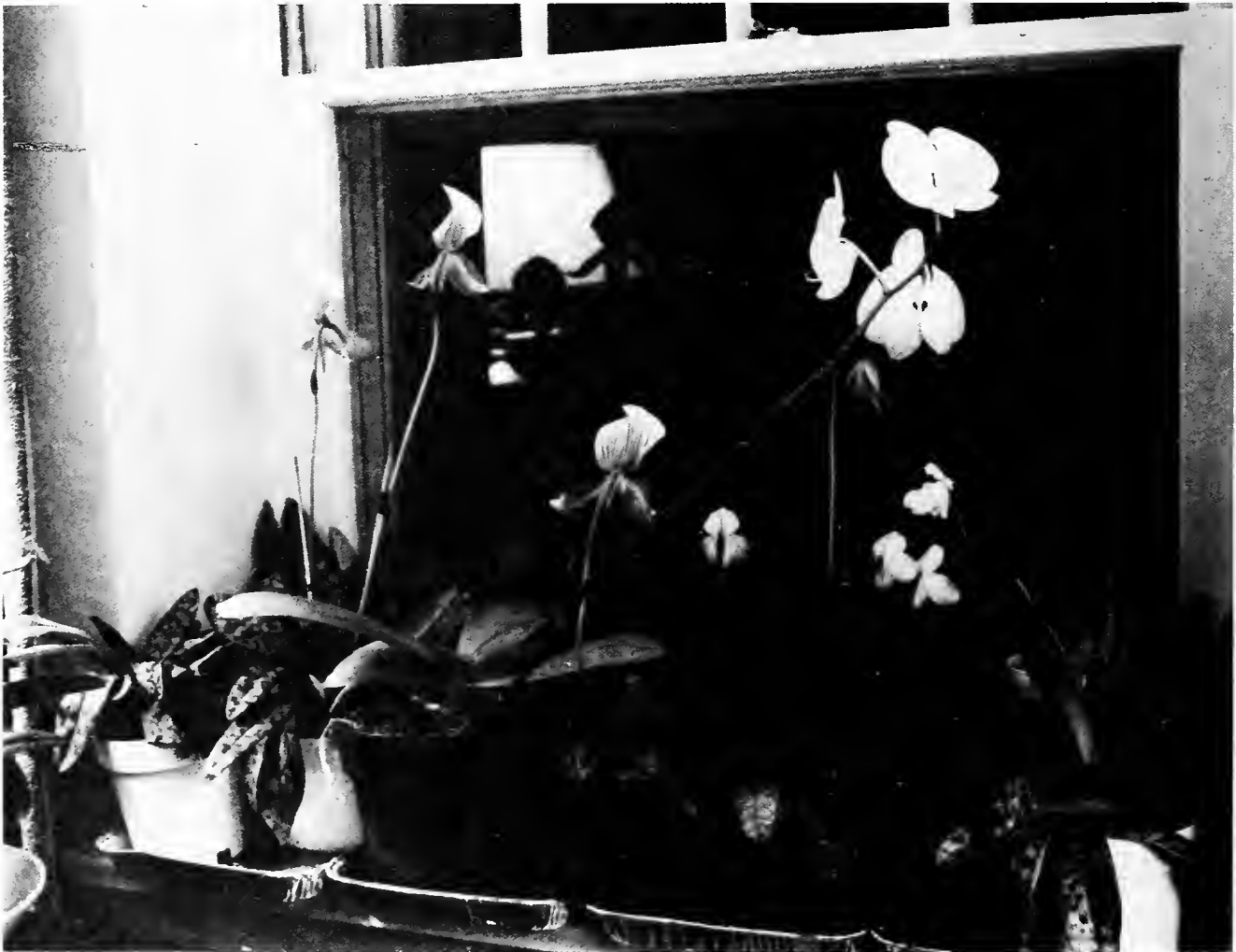


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Growing Orchids On Your Windowsill

by L. Wilbur Zimmerman



photos by author

Paphiopedilum and phalenopsis orchids growing on Wilbur Zimmerman's windowsill.

The first thing to remember about growing orchids as house plants is that they are vegetative organisms, and you can learn their requirements as easily as those of any other group of plants. When I talk about growing orchids as house plants I mean growing them without the benefit of greenhouse, Wardian case or artificial light. In other words, you can handle orchids much as you would any other plants such as begonias, geraniums and streptocarpus, which are amenable to windowsill culture. The whole plan of windowsill culture for orchids, however, is predi-

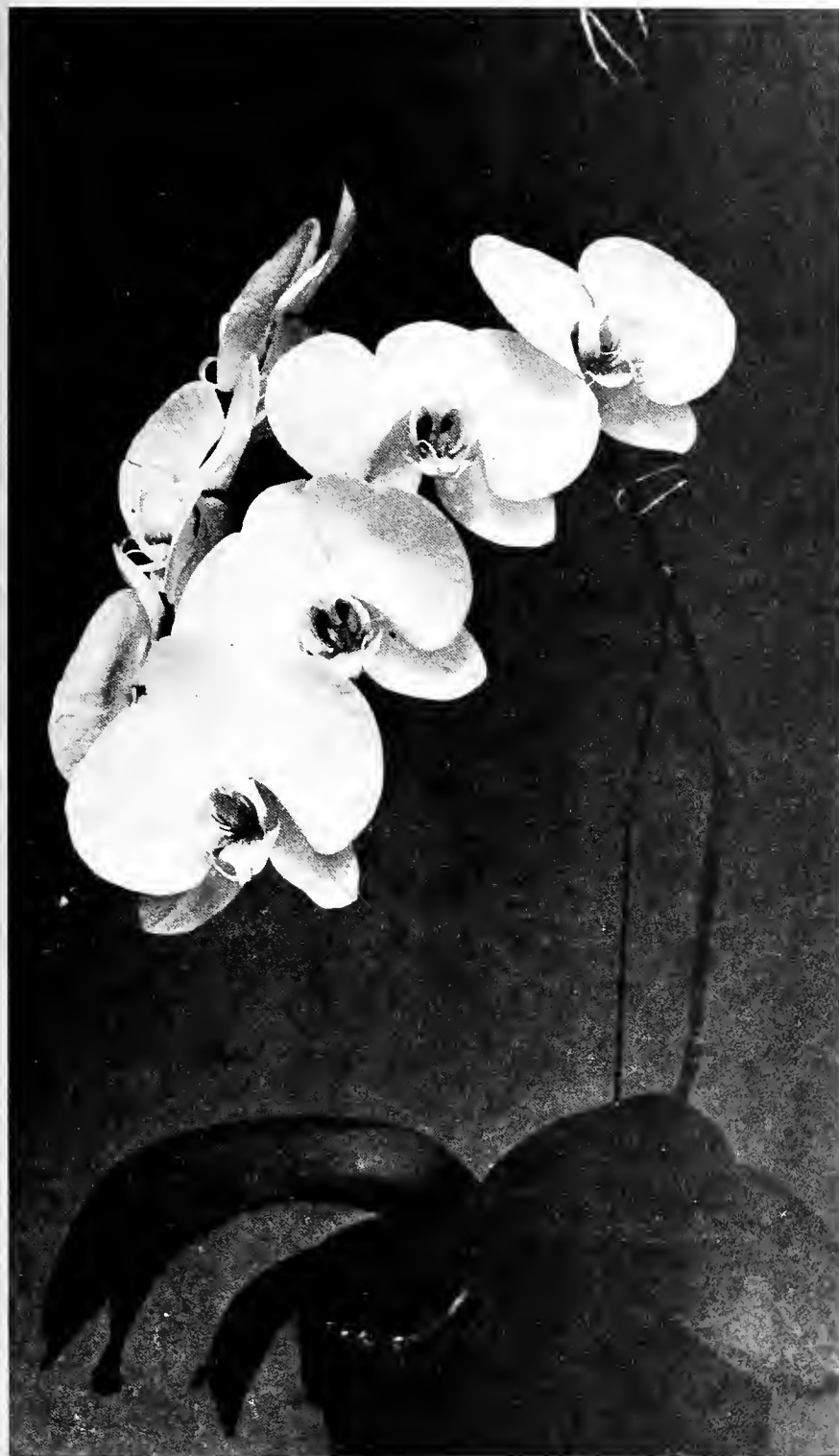
cated upon putting the plants outside during the months when the temperature does not go below 40°F.

Plant selection. Some orchid species or hybrids are easier to bring to flower than others. It is not difficult to keep the plants alive but, of course, you want flowers, and this is possible if you select the plants carefully.

The large showy cattleyas and standard cymbidiums are most difficult to bloom and should not be the first choice for a person starting to grow orchids indoors. There are exceptions, however, and fall blooming cattleyas

can frequently be made to flower indoors. Having been outside under bright, but not middle of the day sunlight throughout the summer, the cattleyas' buds form in the sheath outside in late summer. Indoors they bloom easily in the fall.

Paphiopedilums and phalenopsis are the best candidates to produce flowers reliably on windowsills. As you gain confidence in your growing techniques you can, by studying the literature on habitats, find species other than those mentioned on page 13 that might prove amenable to non-greenhouse conditions.



Phalenopsis 'Elinor Shaffer,' white hybrid, long lasting

The fun is in meeting the challenge of trying some of the lesser-known species.

Light. Paphiopedilums and phalenopsis do not require as high a light level to bring them to flower as the cattleyas and cymbidiums. Be aware that while the light coming through a window is as bright as the light in a greenhouse, it is one directional and the plant only receives approximately a quarter of the overall illumination that a greenhouse provides and in addition loses much of the movement of the sun past the aperture of the window.

Even though the plant is rotated, it only receives light at any given time on the side toward the glass. Ample light is a key factor in making most orchids flower. At the same time, the leaf surface temperature at midday may reach too high a level, if placed in a bright sunny window facing south in late winter. Beyond 105° F, tissue can burn, which causes unsightly damage. It may be necessary to diffuse light inside and also to protect plants from full sun when they are outside in the summer. Either hang them in a tree that will provide dappled shade or place them in a lathe house. The latter controls light better.

Watering requires careful observation to attain skill. A higher humidity than is normally available is required. A tray about 4 in. deep filled with pebbles and water is the simplest way to partially overcome the normal dryness of house heating. Some people have said they can accelerate evaporation by heating the water in the tray with a submersion type heating unit like those used in aquariums. The potted plants should be set on wire mesh out of the water, to prevent the compost in the pots from becoming sodden. On bright days when the heat is on, water the pot and fine mist the foliage early in the day and mist again at nighttime. The misting simulates nighttime dew common to the native habitat of most tropical orchids. It's misleading to give definite times for watering; rather test with your finger well down

continued

Growing Orchids continued

into the growing medium to determine if the plant is really dry before watering. During spring and fall when the furnace heat is not high and when it is cloudy, the plants may well be damp enough not to need water on some days. Good judgment about watering also applies when the plants are outside.

The potting material is different from that used for other house plants.

The whole plan of windowsill culture for orchids is predicated upon putting the plants outside during the months when the temperature does not go below 40° F.

The one most readily available and most widely used is a fir bark mixture. The coarser form is used for plants with thick roots and the finer kind for

plants with delicate root systems. Repot at least once a year. Generally, after the plant has bloomed is a good time to repot. Orchid roots deteriorate rapidly in stale, old compost.

Fertilize regularly. Soluble fertilizer used at 1/10 the strength listed on the package and applied about once a week is a good rule of thumb. A 15-15-15 formula or similar proportion is generally satisfactory. Some people claim that to minimize the build-up of fertilizer salts in the potting material you can alternate chemical fertilizer with weak solutions of fish emulsion. Another system is to use slow release pellets of beads of fertilizer, so that a little of the nutrient will dissolve with every watering. From November 1st to March 1st the fertilizer should be cut to a quarter as much as for the balance of the year because of the shorter daylight hours (reduced photosynthesis).

A more sophisticated addition to

the feeding of orchid plants is to substitute a soluble fertilizer low in nitrogen (5-10-5 or 5-15-5) from the middle of March until July 15th. The theory is that by cutting back on the nitrogen and supplying a little more phosphorous, there will be less vegetative growth and more flower production.

Temperatures commonly found in heated homes provide a satisfactory range. The windowsill can drop to 55° F at night and go up to 85° to 90° F during part of the day when the sun is high. The sun is high (not by the thermostat). A variation in temperature from daytime to nighttime is desirable for most orchids to bloom.

During the day fresh air can be introduced by opening a window or door for several minutes in an adjacent room; there should be no sudden direct chill on the plants themselves. Some people provide air motion within the room with a small fan, but do not direct the air stream at the plants.

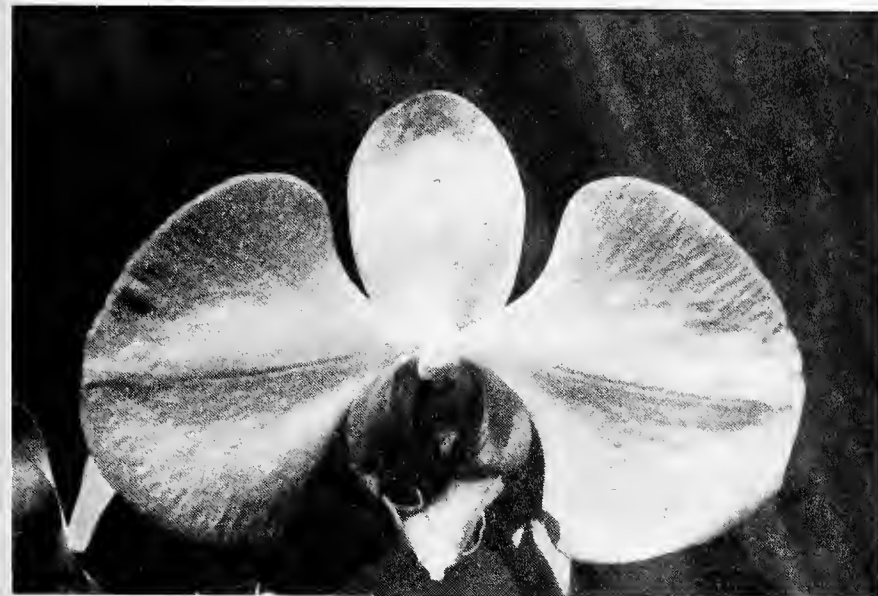
Pests and diseases. Orchids are not too prone to these problems. Scale, mealy bugs, thrip and fungus are the principal things with which to contend. Fortunately they are seldom all present at one time. Ortho-Systox general purpose spray liquid (or a similar compound), diluted as the label instructs, seems to do very well. Apply an absolutely fine mist for complete coverage with the insecticide. To retard fungus, Natriphene 1:2000 or Wilson's Anti-Damp are good materials; more recently Benlate has come into use.

Virus? Throw the plant away before you contaminate other plants by handling or splashing through watering. Be ruthless about that. Slugs can be troublesome when the plants are outdoors so screen them carefully before bringing them in in the fall. Metaldehyde preparations are reliable for slug control.

In summing up, we have found many orchid varieties that lend themselves to windowsill growing. Some were easier to flower than others. I suggest that you experiment with the plants that you like or plants that you have heard others

Lockhartia lunifera





Phalenopsis 'Grace Palm'

have successfully grown.

Friends in North Jersey had a large bay window 6 ft. x 5 ft. x 18 in. deep in which they concentrated on the smaller scale orchid plants from 1 in. to 6 in. in height, exclusive of the inflorescence. They were able to raise more than 200 different orchids. Some of the interesting things that were successful with them are included at right. For many years a man in Washington

continually confounded his friends, who grew orchids in greenhouses, by growing and flowering on the windowsills of his house species of orchids that most people were sure could not be made to flower without a greenhouse. I mention this to show that an observant person, who is determined, can do things in the way of orchid culture that theoretically are too difficult to achieve. I wish you success.

Some orchids to try on your windowsill

Many species in the following genera:

Ascocentrum
Doritis
 x *Doritaenopsis*
Lockhartia
Paphiopedilum
Phalenopsis

The author and his friend in Washington have also succeeded with the following species:

Aspasia epidendroides
Brassavola nodosa
Epidendrum tampense alba
Neofinetia falcata
Oncidium pusillum
Ornithocephalus bicornis
Promenaea citrina
Trichocentrum albo-purpureum
Zygostates cornuta

L. Wiibur Zimmerman, Chairman of PHS Council, has grown orchids since 1942. He has been a certified judge for the American Orchid Society since 1955 and has judged extensively throughout the United States and Puerto Rico. He chaired the N.E. Region of A.O.S. Judging for five years. Zimmerman has made seven collecting trips for orchids to Mexico and Guatemala over the last 24 years as well as to Puerto Rico, the Virgin Islands and Jamaica.

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THE DELAWARE ORCHID SOCIETY

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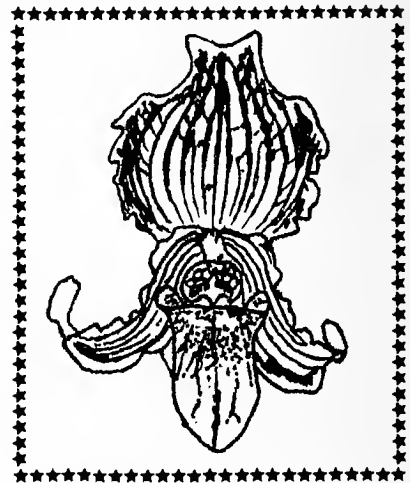
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Some Upcoming Activities for Members

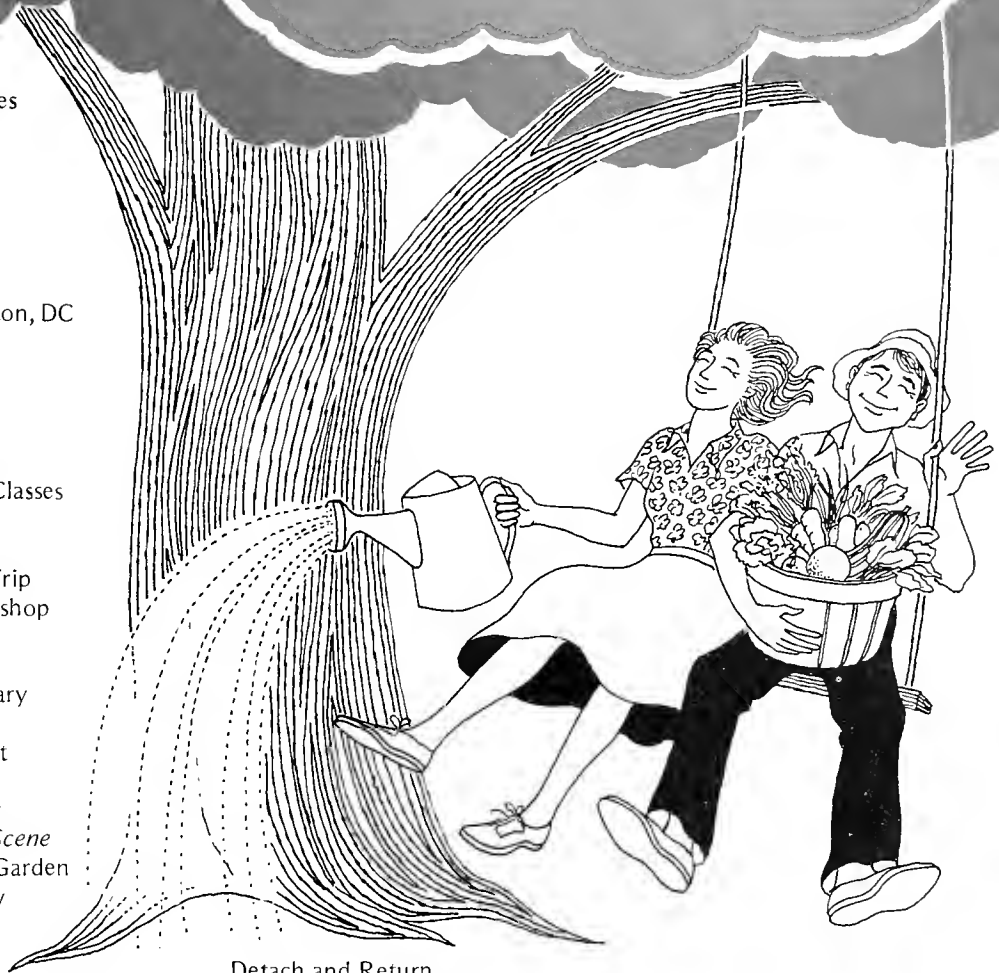
Trip to China
Trip to Pittsburgh
Trip to Montreal
Local Garden Visit Days
Evening at the Zoo
Garden Tour in Washington, DC

You Just Missed These Activities

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Flower Arranging Course
Basic Landscape Design Classes
Forced Bulb Workshops
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Detach and Return

17

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The Horticourt

In 1956 a new dimension was added to the Philadelphia Flower and Garden Show. For the first time, home gardeners were invited to enter plants and compete in horticultural classes.

The first year there were some 25 entries in 8 classes. Rumor has it that certain well-known horticulturists entered plants under assumed names to pad those first classes. Within a few years Philadelphia gardeners got the message. Here was a chance for them to show off their plants to someone other than their grandmothers. For others the classes provided a wonderful forum for the exchange of horticultural information. Exhibitors and visitors alike learn about new plants and new growing techniques through the plants on exhibit.

Those who made the first entries in 1956 were avid horticulturists, many of them members of specialized horticultural organizations or garden clubs. Some even had greenhouses in which to nurture their treasures. This year about 200 gardeners will enter more than 1,000 plants in the Horticourt. These exhibitors come from all over Philadelphia and the surrounding counties. Some drop their plants off en



Trim topiaries, begonias and succulents are just a few of the plants on display in the Horticourt.

route to office jobs in Philadelphia; an intensive care nurse comes off the night shift, rushes home to collect her plants and brings them to the Civic Center. A high school student is a couple of minutes late for class because he has exhibited his favorite fern or begonia. Other gardeners join forces in the suburbs and drive together into the city; one gardener navigates, the other tends the topiaries, terrariums and pots full of bulbs or foliage plants.

No two exhibitors have the same growing conditions. Many grow magnificent specimens on well-lit windowsills, some have standard greenhouses, others have little window greenhouses where space is so limited that in order to grow a wide variety of plants, they become experts in miniature species and varieties. Apartment gardeners produce many blue-ribbon winners by growing their plants under fluorescent lights. Homeowners with a preponderance of north- and east-facing windows often have a cellar full of light units and flowering plants. One gardener forces bulbs in a trench in her vegetable garden, lifts them out of the ground in February and shifts and shuffles them from sunny windowsill to cool porch to get them to bloom on just the right day.

Within the 143 horticultural classes you will find an appropriate class for almost any plant you care to name. Each year the schedule changes slightly to accommodate the whims and fancies of exhibitors, but there is always a place for the exhibitor with plants that vary in size from small succulents to tremendous topiaries.

Philadelphia Flower and Garden Show standards are maintained by members of the Passing Committee who scrutinize the entries for problems such as scale, mealybug and all manner of diseases. Pots must be clean and plants correctly named.

When you get home, study the classes listed below and decide which of your plants you will enter in the Horticultural Classes in next year's Flower Show. If you are a first-time exhibitor you might enter the Novice Class that is open to anyone who has never won a blue ribbon in the Philadelphia Flower and Garden Show Horticultural Classes. If you are a member of the Pennsylvania Horticultural Society you will automatically receive an Exhibitors' Guide and Schedule next summer. If you are not a member, call the Society (215-625-8250) and ask a member of the staff to send you a schedule.

Horticultural Classes in the Horticourt

ENTERED AND JUDGED

Saturday, March 8; Tuesday, March 11 and Friday, March 14 (Exhibitor may enter plants listed in this section on one or all of the dates listed.)

BULB CLASSES

Miniature trumpet narcissus, Little Beauty

Forced and shown in 8-in. bulb pan or 8-in. azalea pot

Trumpet narcissus, Golden Harvest

Long-cupped narcissus, Scarlet O'Hara

Tazetta narcissus, Cragford

Hyacinth, L'Innocence

Tulip, Princess Irene

Amaryllis (grown and shown in a 6-in. pot)

Any named variety of hardy bulb not listed above:

Minor or miniature	Muscari
Standard narcissus	Crocus
Hyacinth	Other
Tulip	

GENERAL HORTICULTURAL CLASSES

in place throughout the show

Containers under 8 in., one variety

Non-Woody Flowering or Fruiting plant(s)

Non-Woody Foliage plant(s)

Woody Flowering or Fruiting plant(s)

Woody foliage plant(s): (a) formal, (b) informal

Containers 8 in. or over, one variety

Non-Woody Flowering or Fruiting plant(s)

Non-Woody Foliage plant(s)

Woody Flowering or Fruiting plant(s)

Woody foliage plant(s): (a) formal, (b) informal

Hanging container. Flowering or fruiting plant(s), one variety

Container: (a) 6 in. and under, (b) over 6 in.

Hanging container. Foliage plant(s), one variety

Container: (a) 6 in. and under, (b) over 6 in.

Hanging container. Specimen fern

Container: (a) 6 in. and under, (b) over 6 in.

In addition:

ENTERED AND JUDGED

Saturday, March 8

(To be removed Tuesday, March 11)

Windowsill collection, sunny window

Miniature plant garden, a minimum of three species. Not to exceed 24 in. in any dimension.

Strawberry jar, not to exceed 12 in. in any dimension.

Terrarium over 12 in. and under 24 in. in any dimension.

(To remain on Tuesday, be removed on Friday)

Specimen begonia. Container 3 in. and under: (a) flowering, (b) foliage

Specimen fern. Not higher than 10 in. including container: (a) hardy, (b) tender

Specimen cactus. Container under 6 in.: (a) flowering, (b) non-flowering

Specimen succulent other than cactus. Container under 6 in.: (a) flowering, (b) non-flowering

Plant(s) Grown in Stylized Form

(a) Topiary (single stemmed); (b) On a stuffed form; (c) Multistemmed; (d) Espalier

Rock Garden Plant(s)

Hardy, raised from seed by exhibitor

(a) Single Plant; (b) Pan with more than one plant

Rock Garden Plant

From cutting. Hardy, rooted and raised by exhibitor

Herb, Culinary

(a) Formal; (b) Informal

Herb, Other Than Culinary

(a) Formal; (b) Informal

Parent and Offspring

In separate containers. To be shown together.

Specimen Orchid Classes

ENTERED AND JUDGED

Saturday, March 8

(To remain in place throughout the Show)

Cattleya and Alliance

Paphiopedilum: (a) hybrid, (b) species

Phalaenopsis and Alliance

Vanda and Alliance

Odontoglossum and Alliance

Cymbidium: (a) standard, (b) miniature

Dendrobium: species or hybrid

Epidendrum and Alliance

Oncidium and Alliance

Miltonia and Alliance

Miniature—any species. Plants and inflorescence not to exceed 6 in.

Any other species not listed

ENTERED AND JUDGED

Tuesday, March 11

(To be removed on Friday, March 14)

Windowsill collection, shady window

Miniature landscape. A naturalistic scene containing a minimum of three species. Not to exceed 24 in. in any dimension.

Strawberry jar. Over 12 in. and under 24 in. in any dimension.

Specimen gesneriad.

Specimen begonia. Container over 3 in. and under 6 in.: (a) flowering, (b) foliage

Specimen fern. Over 10 in.: (a) hardy, (b) tender

Specimen cactus. Container 6 in. or over: (a) flowering, (b) non-flowering

Specimen succulent other than cactus. Container 6 in. or over: (a) flowering, (b) non-flowering

Complementary plants in separate containers grown as a pair. Container: (a) flowering 6 in. and under, (b) foliage 6 in. and under, (c) flowering over 6 in., (d) foliage over 6 in.

Rock garden plant, hardy natural cushion.

(a) Saxifraga, (b) other

Specimen Bromeliad.

Plant grown in the house. Flowering or fruiting.

Container: (a) 8 in. and under, (b) over 8 in.

Plant grown in the house. Foliage. Container:

(a) 8 in. and under, (b) over 8 in.

Three plants in bloom shown in separate containers.

Two square ft. of space allowed.



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ENTERED AND JUDGED

Friday, March 14

A collection of ten or more plants

Succulent plant garden or landscape containing a minimum of three species. Not to exceed 24 in. in any dimension.

Begonia. Challenge class.

Terrarium not to exceed 12 in. in any dimension

Specimen begonia. Container: 6 in. and over: (a) flowering, (b) foliage

Specimen geranium. Total height of plant and container: (a) less than 8 in. (excluding flowers), (b) 8 in. or over

Herbaceous perennial in bloom

Novice class: (a) flowering or fruiting, (b) foliage (open to anyone who has never won a blue ribbon in the Horticultural classes of this Show)

Identical plants in separate containers grown as a pair.

Container: (a) 6 in. and under, (b) over 6 in.

Rock garden plant in possession of grower for at least six months.

Dwarf conifer. Must be a natural dwarf (not a bonsai). Not to exceed 15 in. in any dimension, including container. (a) Chamaecyparis, (b) other

Plant grown in the house: flowering or fruiting. Container: (a) 8 in. and under, (b) over 8 in.

Plant grown in the house: foliage. Container: (a) 8 in. and under, (b) over 8 in.

Plant(s) for terrace decoration in a single container. Judged for decorative effect. (a) 8 in. and under, (b) over 8 in.

Collection of three or more plants in a single container: (a) 12 in. and under in any dimension, (b) over 12 in. in any dimension

Fern. Challenge class.

African Violets

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Spring House, PA 19477
John Graham, Chair

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399 Port Royal Avenue
Philadelphia, PA 19128

PLAY GARDEN

There's a world of fun and learning in our backyard. Nature is the inspiration for this collection of games, toys and arts and crafts activities. Children can swing, scamper, slide and hide in the playhouse. Please smell and feel the herbs in the playhouse garden.

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Kenneth W. Murray, Chair

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IKEBANA INTERNATIONAL-PHILADELPHIA CHAPTER

3 Merion Road
Merion, PA 19066
Dorothy Zurheide and Helen Flaig, Co-Chairs

JAPANESE FLOWER ARRANGEMENTS FOR WESTERN HOMES

Members of Ikebana International display a variety of Japanese flower arrangements to illustrate the possibilities for using this style of flower arranging in contemporary and traditional American homes.

MARTIN'S AQUARIUM

101 Old York Road
Jenkintown, PA 19046
Robert Weintraub, Chair
Collaborator: Evans Landscaping
245 Blairville Road
Horsham, PA 19044

YOUR WORLD AND THEIRS

BLENDING FLORA AND FAUNA IN A CONTEMPORARY SETTING

The inhabitants of this contemporary house have incorporated a 150-gallon saltwater tank into the wall of their living room. In the aquarium are lionfish, angelfish, African cichlids and ornamental goldfish. Trained macaws, parrots and cockatoos are in elegant cages and resting on stands in the garden.

MEADOWBROOK FARM

1633 Washington Lane
Meadowbrook, PA 19046
Daniel McKeon, Chair

HANGING BASKETS

Large, colorful hanging baskets filled with foliage and flowering plants provide a terminal feature for the central aisle.

PHILADELPHIA FIRE DEPARTMENT

Third & Spring Garden Streets
Philadelphia, PA 19123
Captain Charles A. Lewis, Chair

GONE BUT NOT FORGOTTEN

The past is represented by an abandoned, antique piece of fire-fighting equipment. The present by crocus, daffodils and wild roses. Present and past are linked in an attractive, peaceful setting with a small brook and a backdrop of evergreens.

ZOOLOGICAL SOCIETY OF PHILADELPHIA

34th Street and Girard Avenue
Philadelphia, PA 19104
Charles W. Rogers, Jr., Chair

WHAT'S A PLANT DOING IN A ZOO?

A life-size warthog, live tropical birds and reptiles and a group of wood ducks have moved into the Civic Center for the 1980 Flower Show. Surrounding them are habitats appropriate to the different types of animals. Tropical species are surrounded by tropical vegetation, the wood-duck pond by native azaleas and rhododendrons.

Exhibits by Specialized Horticultural Organizations

AFRICAN VIOLET SOCIETY OF PHILADELPHIA

2050 East Orleans Street
Philadelphia, PA 19134
Tom Seiler, Chair

AFRICAN VIOLET

African violets are still America's favorite house plant. This year the African Violet Society has designed its exhibit so you can walk through and find your favorite plant among the range of colorful plants on display.

AMERICAN RHODODENDRON SOCIETY

Philadelphia & Valley Forge Chapters
Kresson-Gibbsboro Road
Marlton, NJ 08053
Ted Stecke and Ed Collins, Co-Chairs

THE WORLD OF RHODODENDRONS

Rhododendrons come in all shapes and sizes, in many flower colors and leaf forms—they range from dwarfs to giants. The American Rhododendron Society's exhibit demonstrates this variety within a garden scene. Both new gardeners and rhododendron buffs will find a variety of rhododendrons for their gardens in this display.

AMERICAN ROCK GARDEN SOCIETY

Delaware Valley Chapter
908 Twyckenham Road
Media, PA 19063
Edythe Collins, Chair

EASY ROCK GARDENING FOR ANY SITE

Three settings have been created to illustrate the possibilities for developing a small rock garden using readily available plants. Marsh marigolds and Japanese primulas reign in the bog garden, Jacob's ladder and fringed bleeding-heart in the shady site, dwarf conifers, drabas and saxifrages in the sunny scree. Native clematis tumble over a fence in the rear.

DELAWARE VALLEY FERN SOCIETY

419 Lodges Lane
Elkins Park, PA 19117

FERNS AROUND THE WORLD

Some 12,000 species of ferns are known to exist throughout the world. Many varieties make wonderful garden plants in Pennsylvania, others are suitable for indoor decoration. In this exhibit the Delaware Valley Fern Society shows a range of ferns and identifies each with its country of origin.

GREATER PHILADELPHIA ORCHID SOCIETY

888 Welsh Road
Maple Glen, PA 19002
Mal Decker, Chair

SUMMERING OUT

Orchids are often considered fragile, hard-to-grow plants requiring very special environments. In this patio these beautiful plants are integrated into a frequently used outdoor area. The plants enjoy "summering out" and their owners can appreciate these indoor plants during the winter.

INDOOR LIGHT GARDENING SOCIETY OF AMERICA

217 St. Marks Square
Philadelphia, PA 19104
Florence Gerst, Chair

A LIGHT GARDENER'S ALPHABET

With a light garden the world of the indoor gardener has endless possibilities. In a Light Gardener's Alphabet, members of the Indoor Light Garden Society demonstrate the range of genera, from *Adiantum* to *Zebrina* that will thrive under lights.

PENNSYLVANIA BONSAI SOCIETY

P.O. Box 305
Spring House, PA 19477
R. Luther Young, Chair

BONSAI

Within the planting that frames this year's bonsai exhibit are a series of niches. In each is an outstanding bonsai grown in the Delaware Valley. The major bonsai is accompanied by accessory herbaceous plantings, viewing stones, scrolls and works of art. Each bonsai and accessory is staged on a finely made wooden or bamboo stand.

PHILADELPHIA AREA DAFFODIL SOCIETY

124 Lincoln Terrace
Norristown, PA 19083
Mrs. George R. Haines, Chair

BRIGHT FORECAST

Even with neglect, daffodils can reward the home gardener with years of bloom. The Daffodil Society's exhibit shows how these resourceful bulbs can be divided and fertilized to increase the number of blooms to brighten your spring garden.

PHILADELPHIA CACTUS AND SUCCULENT SOCIETY

7708 Revere Street
Philadelphia, PA 19119
Newman C. Johnson, Chair

EVOLUTION OF CACTACEAE

Leafy, shrubby cacti with few typically cactus-like features are the most primitive members of this family. The exhibit shows the evolution to a more advanced group, the Opuntiads. Members of the most advanced sub-family are also on display—the saguaro and "old man" cacti from desert areas, those from the grasslands and the Thanksgiving and Christmas cacti from the rain forests.

SOUTHEASTERN PENNSYLVANIA ORCHID SOCIETY

510 Lionville Road
Downingtown, PA 19355
Honey Shattuck, Chair

AN OFFERING OF ORCHIDS

A Buddhist temple interior, such as the one reproduced in this exhibit, was seen by Orchid Society members when they travelled to Bangkok for the 19th World Orchid Congress in 1977. In Thailand orchid blossoms are offered to the Buddha in prayer. Here a large golden Buddha is surrounded by hundreds of orchids displaying thousands of blooms.



Floral Exhibitors

ALLIED FLORISTS OF DELAWARE VALLEY

426 Pennsylvania Avenue
Fort Washington, PA 19034
David Lantt, Chair

Staged by: David Lantt Florists
10783 Bustleton Avenue
Philadelphia, PA 19116

FLORAL WATERFALL

A 10-foot floral fountain greets visitors as they descend into the exhibit hall. Daffodils, lilies, anemones and roses decorate five tiers of the octagonal waterfall. Flower colors range from white to shades of yellow and rich purple into deep burgundy, highlighted with lime.

FLORISTS TRANSWORLD DELIVERY ASSOCIATION

16 North York Road
Hatboro, PA 19041
Leroy LaBold, Chair

Staged by: William Giangliulio
841 Conestoga Road
Rosemont, PA 19010

VICTORIAN GARDEN

Victoriana is the theme of this exhibit with massive colorful arrangements set in a Victorian garden. Fountains splash in the background and the arrangements remind you of the opulence of the Victorian era.

FOXCATCHER ORCHIDS

P.O. Box 230
Newtown Square, PA 19073
Van Ewert, Chair

THE ORCHID BATH

Many orchids thrive in a warm humid atmosphere, so what better place to grow them than in the bathroom. In this special bathroom, not only the plants but also the furniture and fixtures are exotic. There's even a stained glass window to add to the charm of the bathroom you have always dreamed of.

GEORGE ROBERTSON AND SONS, INC.

8501 Germantown Avenue
Philadelphia, PA 19118
Bruce Robertson, Chair

MARDI GRAS

Mardi Gras is carnival time in New Orleans. This year

Robertsons has brought Mardi Gras to the Flower Show with a multi-colored display of plants native to New Orleans and hundreds of bright flowers depicting the event.

ROSES, INC.

841 Conestoga Road
Rosemont, PA 19010
William G. Giangliulio, Chair

LIVING WITH ROSES

Roses are for everyone. They can be used extravagantly in huge arrangements for weddings and balls. At home, we can all enjoy these special flowers on a more modest scale in smaller arrangements. "Living with Roses" displays a variety of ways to incorporate roses into your life.

THE TAYLORS OF PENNY HILL FLOWER SHOP

1521 Concord Pike
Wilmington, DE 19803
William R. Taylor, Chair

SETTING FOR A GARDEN WEDDING

Having a wedding in your family this summer? Perhaps you can duplicate this elegant outdoor setting for your summer nuptials. Two mannequins hold bouquets of fresh flowers and the centerpiece on the patio table contains flowers from many corners of the world.

WALDOR ORCHIDS, INC.

10 East Poplar Avenue
Linwood, NJ 08221
George A. Off, Chair
Carillons provided by: Schulmerich Carillons, Inc.
Carillon Hill
Sellersville, PA 18960

THE BELLS OF CAPISTRANO

If no one told you this mission had been built last fall in New Jersey, you might believe yourself to be in the courtyard of the Old Mission of San Juan, Capistrano. The walls are covered with grape ivy and hanging geraniums to simulate the bougainvillea of the California mission. A mass of beautiful orchids hang within the courtyard and a carillon sounds from the bells in the simulated Campanario.

THE PHILADELPHIA UNIT HERB SOCIETY OF AMERICA

will hold its
ANNUAL HERB SALE

Thursday, May 8, 1980

Mr. & Mrs. George R. Reed
Longview Farm, Malvern, Pa.

(directional signs will be posted)

Business property for sale Chestnut Hill /Mt. Airy



Tudor building fashioned after Shakespeare's summer cottage. Leaded windows, slate roof, terra cotta tile floor, 2 attached greenhouses, ample parking and efficiency apartment on 2nd floor.
Call for additional details.

Emlen & Co. — Huntingdon Valley office
215-947-6810

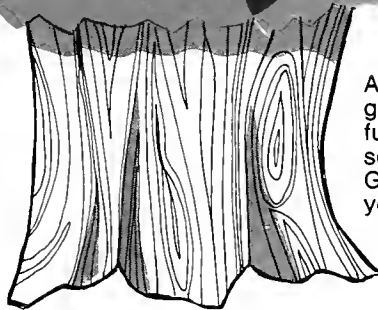
Gaudio's, The Garden Experts From The Roots Up



25

Most well-tended lawns and gardens get their start at Gaudio's because no other store in the Delaware Valley has the selection and variety of lawn and garden needs. Tools - from sprayers to spreaders. Seeds to grow everything from bluegrass to brussel sprouts. Insecticides, fertilizers, mulches and a huge stock of shrubbery from azaleas to abelias.

And we have what it takes to enjoy your garden outdoors. Like porch and patio furniture and barbeque grills. This season, Spring over to a convenient Gaudio Garden Center for everything you need for Growing Under The Sun.



Everything For Growing Under The Sun
AT 8 CONVENIENT DELAWARE VALLEY LOCATIONS



Educational Exhibitors

W. ATLEE BURPEE COMPANY

300 Park Avenue
Warminster, PA 18974
Jeannette Lowe, Chair

BURPEE'S BOUNTY GARDEN

A garden can provide pleasure and produce year-round. Burpee's Bounty Garden is filled with varieties of vegetables that will produce late summer crops. The displays in the adjoining prep room demonstrate the wide variety of methods that can be used to preserve flowers and vegetables.

DELAWARE VALLEY COLLEGE OF SCIENCE AND AGRICULTURE

Route 202 & New Britain Road
Doylestown, PA 18901
John C. Mertz, Chair

FOREVER YOURS

This summer garden provides colorful materials for year-long flower arrangements. Exhibits demonstrate the methods for drying and treating flowers and foliage for permanent display.

FRIENDS HOSPITAL

Roosevelt Boulevard & Adams Avenue
Philadelphia, PA 19124
Mona Dwork, Chair

HORTICULTURAL THERAPY SEEKING THE ROOTS OF LIFE AND HEALTH

Horticultural therapy is an important part of the treatment program for returning patients at Friends and many other hospitals to a productive life style. Planters, containers, stationery with pressed flower designs and many other projects completed by patients are part of this display.

LINCOLN HIGH SCHOOL

Rowland and Ryan Avenues
Philadelphia, PA 19136
David M. Kipphut, Chair

SUPPORT YOUR LOCAL PLANT

Do you know how to . . . stake those perennials that flop all over their neighbors . . . guy a tree so that it has a chance to set down good roots? These and other staking techniques are demonstrated in "Support Your Local Plant."

MORRIS ARBORETUM

9414 Meadowbrook Avenue
Philadelphia, PA 19118
Jane Herrman, Chair

PAGES FROM A FOREST LOG

Our trees and our climate have lots going on between them. Trees modify temperatures and reduce energy usage. The climate of past years is reflected in a tree's rings. This year

the Morris Arboretum explores the important interactions between trees and climate.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Box 1467, 3rd & Reily Streets
Harrisburg, PA 17120
Patrick Lantz, Chair

FORESTRY AFFECTING YOU

As a forest develops, its wildlife and accompanying vegetation gradually change. Three stages in the life of a forest are surrounded by trees and shrubs native to Pennsylvania. Smokey the Bear, made from natural materials, watches over this woodland scene.

PENNSYLVANIA NURSERYMEN'S ASSOCIATION

E-1 Region
1163 Lake Drive
West Chester, PA 19380
L. B. Palmer, Chair

Staged by: Rose Valley Nurseries
648 S. New Middleton Road
Media, PA 19063

DISPLAY TERRACE

Small trees are essential features in modern home landscapes. Japanese maple, Washington hawthorn, and Siebold viburnum are among those used in this small rest area near a residence. Rhododendrons, azaleas and primulas brighten the planting beds surrounded by a Pocono fieldstone sitting wall.

THE PENNSYLVANIA STATE UNIVERSITY

Cooperative Extension Service
Neshaminy Manor Center
Doylestown, PA 18901
Richard A. Bailey, Chair

INTEGRATED PEST MANAGEMENT

Integrated Pest Management provides bright new alternatives to waging war on garden pests solely with a can of poison. Predators, parasites, attractants and repellents, hormones and sterilants are just a few of the terms home gardeners should become familiar with to practice sound IPM techniques.

PHILADELPHIA ELECTRIC COMPANY

4040 Chestnut Street
Philadelphia, PA 19104
Warren E. Baumgartner, Chair

BETTER SAFE THAN SORRY

Are you aware of the electrical hazards you and your family may face when working around your house? Study PECO's exhibit with three house facades and the talking lineman to see if you take adequate precautions when you trim trees, use metal ladders for exterior jobs or fly your child's kite in the yard.

PHILADELPHIA WATER DEPARTMENT

1140 Municipal Services Building
15th & J.F. Kennedy Boulevard
Philadelphia, PA 19107
Frank Senske, Philadelphia Water Department and
Colleen Kelly, Bi-Products Systems, Inc., Co-Chairs

PHILORGANIC

Are you troubled with heavy soil? Try Philorganic, a by-product of Philadelphia's waste-water treatment plants. In this full-scale model of a living room and home garden, Philorganic is used to improve the growing conditions for both indoor and outdoor plants. Through a slide show, visitors will learn the correct way to use this important resource.

ROSADE BONSAI STUDIO

303 Ely Road, R.D. 1
New Hope, PA 18938
F. Chase Rosade, Chair

BONSAI IN THE GARDEN

Given a little time and patience, you too can learn to train plants. Rosade Bonsai Studio's exhibit will demonstrate how to start and maintain a bonsai. In the small work house and garden, plants in many stages of training are on display.

SAUL HIGH SCHOOL

7100 Henry Avenue
Philadelphia, PA 19128
A. Ronald Attarian and
Robert J. Hunter, Co-Chairs

SAVOR THE SEASONS WITH HERBS

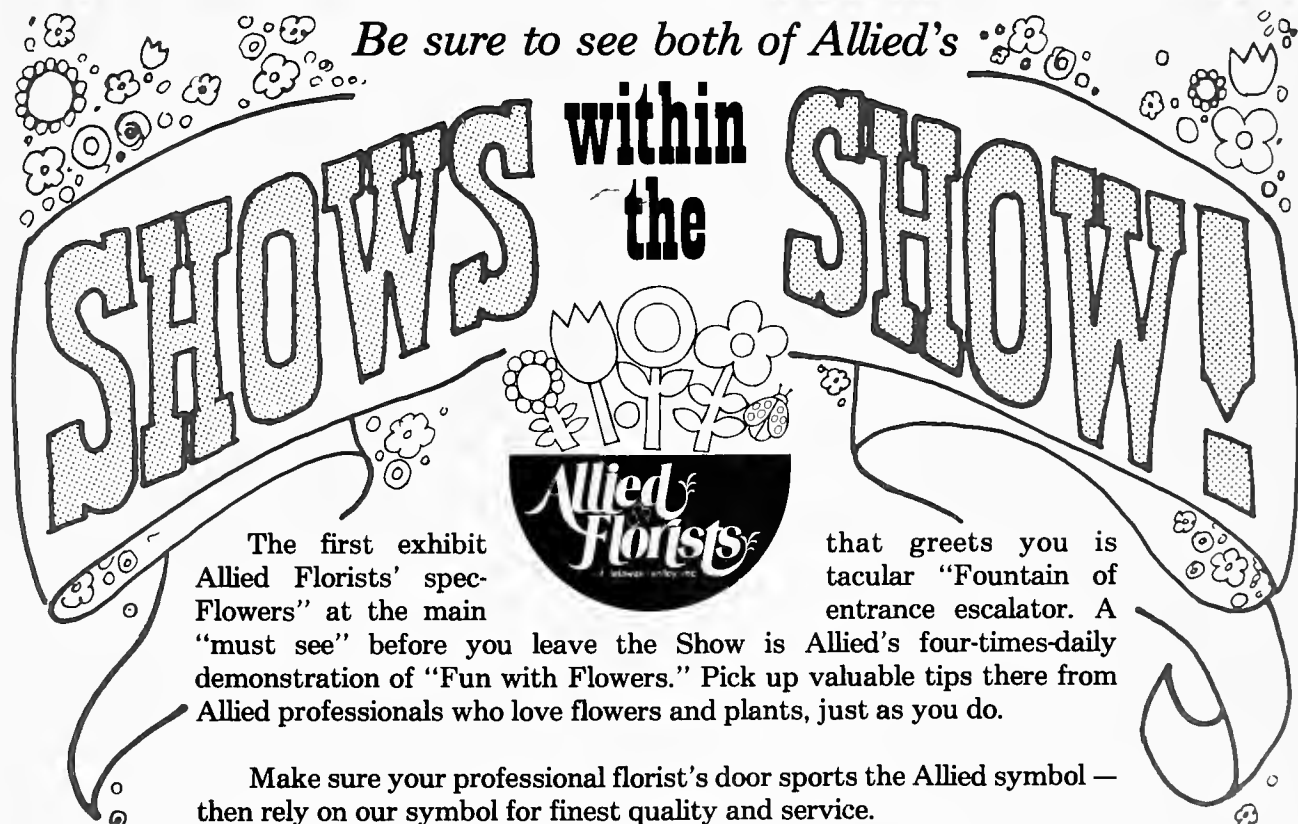
Savory for your soup, mint for your juleps, basil for your tomatoes—all these and many more herbs can be easily grown in a small urban garden. Saul High School's exhibit identifies herbs that will grow well in city gardens in the Delaware Valley.

TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION

Department of Horticulture & Landscape Design
Meetinghouse Road
Ambler, PA 19002
Glenn B. Geer, Chair

COLORFUL COLEUS

Coleus is a multi-purpose plant. Plant it in your flower beds in summer, or use it as a colorful addition to your house plant display throughout the winter. Temple University's exhibit illustrates the history and cultural requirements of this popular and versatile plant.



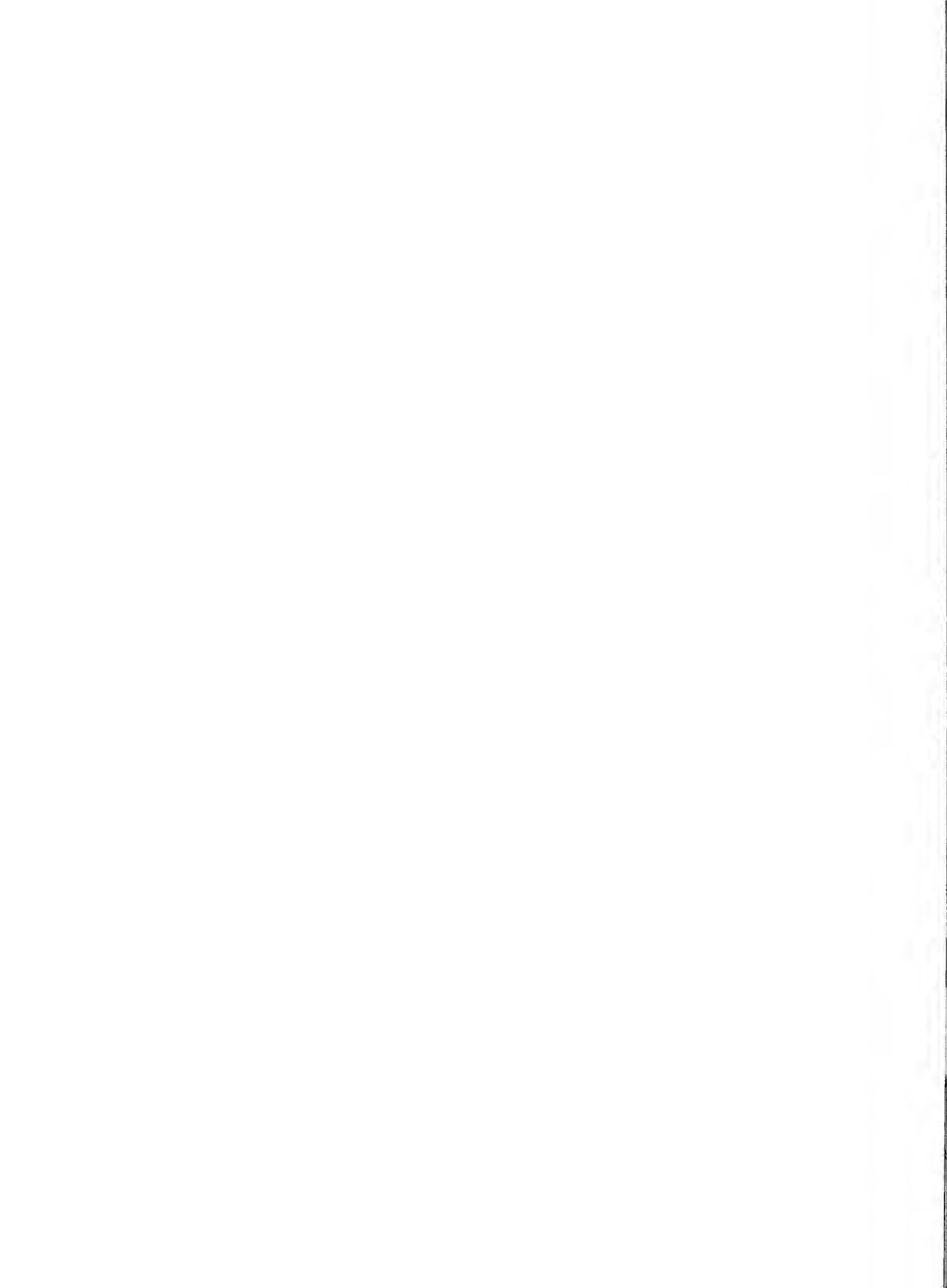
Be sure to see both of Allied's **SHOWS** *within the* **SHOW!**

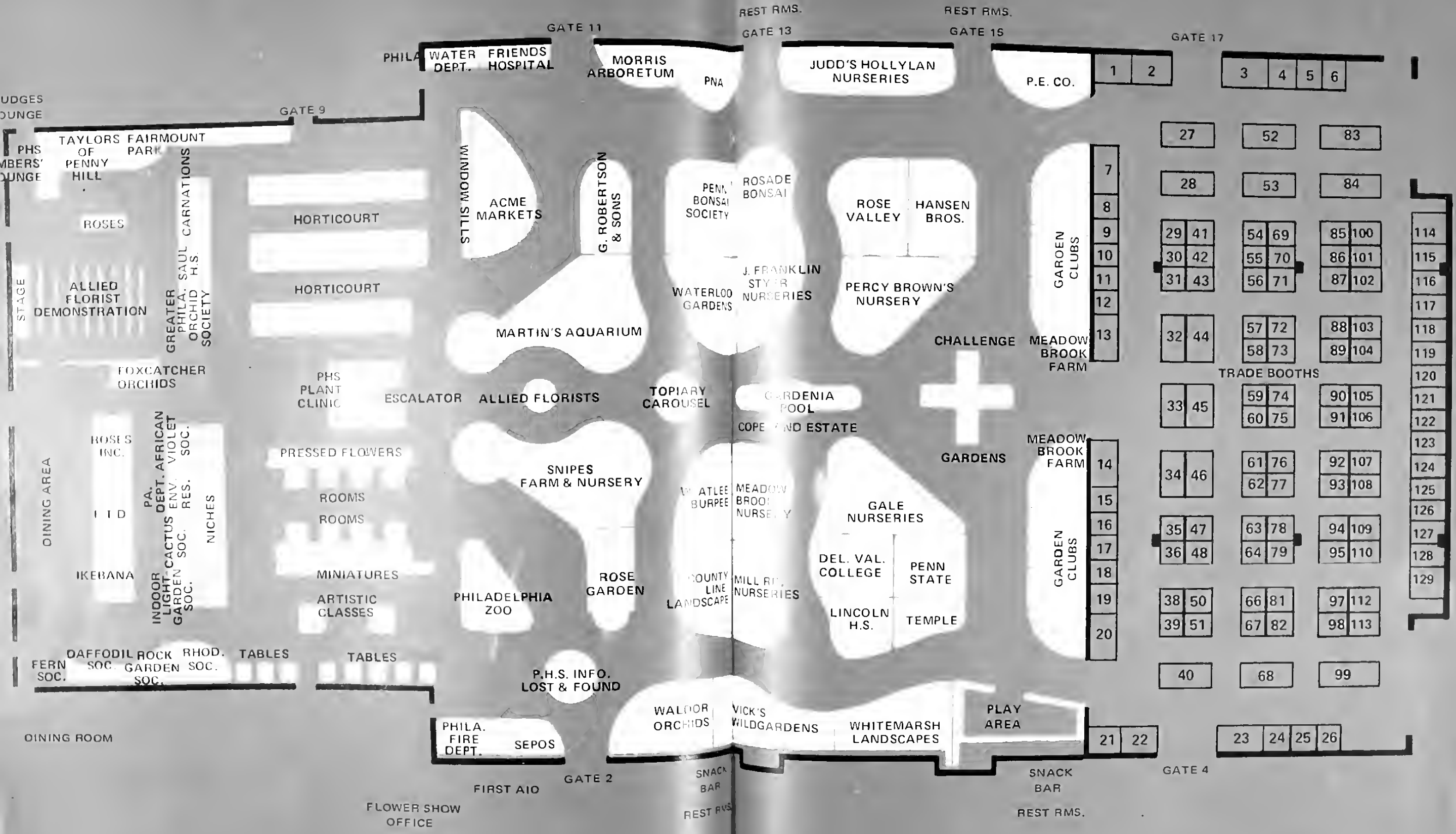
The first exhibit Allied Florists' spec-Flowers" at the main "must see" before you leave the Show is Allied's four-times-daily demonstration of "Fun with Flowers." Pick up valuable tips there from Allied professionals who love flowers and plants, just as you do.

that greets you is tacular "Fountain of entrance escalator. A

Make sure your professional florist's door sports the Allied symbol — then rely on our symbol for finest quality and service.

 **Allied Florists Say It Best.** 





27	52	83
28	53	84
29 41	54 69	85 100
30 42	55 70	86 101
31 43	56 71	87 102
32 44	57 72	88 103
	58 73	89 104
33 45	59 74	90 105
	60 75	91 106
34 46	61 76	92 107
	62 77	93 108
35 47	63 78	94 109
36 48	64 79	95 110
38 50	66 81	97 112
39 51	67 82	98 113
40	68	99

See list of Trade Booth Exhibitors on pages 44 and 45.



Landscape Nursery Exhibitors

COUNTY LINE LANDSCAPE NURSERY

805 Harleysville Pike
Harleysville, PA 19438
Herbert Bieberfeld, Chair

CONTEMPORARY LIVING

This contemporary garden is designed for maximum use. Quiet conversations can take place beside the gently splashing fountain. In another corner a dining table is screened by three flowering dogwoods. The plants are chosen to give a feeling of close contact with nature.

GALE NURSERIES

School House Road
Gwynedd, PA 19436
Charles H. Gale, Chair

PENNS TOWN

The backyard of this eighteenth century Philadelphia townhouse is complete with an outside summer kitchen and a well. The entire garden is surrounded by a strong fence to protect the produce from wandering livestock. A mixture of English boxwoods, perennials, annuals, fruits and herbs fill the geometrically shaped beds.

HANSEN BROTHERS NURSERIES, INC.

472 S. Gulph Road
King of Prussia, PA 19406
Frederick F. Hansen, Chair

GETTING TO KNOW THEM BETTER

Plant hybridizers are continually working to develop new, improved cultivars of well-known plants. Amateurs and professionals seek to reintroduce old varieties not commonly used by local gardeners. Hansen Brothers displays some of these unfamiliar plants in a colorful display with many old favorites.

JUDD'S HOLLYLAN NURSERIES

516 East Holly Avenue
Pitman, NJ 08071
William Judd, Chair

A NATURALIST'S RETREAT

Behind the old ivy-clad cabin is a large waterfall. In front is a swamp filled with pitcher plants and water hyacinths. A bridge crosses the swamp and on the hill behind the cabin is a mass of rhododendrons and azaleas. It's a mountain hideaway to which you might wish to retreat.

MEADOW BROOK NURSERIES

609 E. Baltimore Pike
P.O. Box 951
Media, PA 19063
G. Kenneth Campbell, Jr. and
Michael C. Neale, Co-Chairs

NATURE'S OWN

A large waterwheel is the central feature of this naturalistic display. Firs, spruces and pines native to Massachusetts provide a background for dogwoods, birches,

rhododendrons and azaleas. The plantings and the waterwheel invite the visitor to enjoy the peaceful setting.

MILL ROAD NURSERIES, INC.

357 South Gulph Road
King of Prussia, PA 19406
Gordon Eadie, Chair

PLANT FOR A SOLAR TOMORROW

Have you considered building a greenhouse and then abandoned the idea in the face of the energy crunch? Maybe this is the greenhouse for you. The landscaping surrounding the solar greenhouse is an important feature in energy conservation.

PERCY BROWN NURSERY, INC.

Box 69, R.D. 3
Birdsboro, PA 19508
Galen L. Brown, Chair

AQUA-MOTION

Garden pools with moving water make attractive features in a backyard or an entrance court. The design for this pool, landscaped with crabapples, rhododendrons, azaleas and brightly colored bulbs, may inspire you to include a pool in your home landscape.

ROSE VALLEY NURSERIES, INC.

684 S. New Middleton Road
Media, PA 19063
L. B. Palmer, Chair

CIRCULAR TERRACE FEATURE

The circular terrace in Rose Valley Nurseries' exhibit could be used either in a small garden or as a focal point for a larger area. Both the construction and plantings are designed to be easily maintained. Rhododendrons, azaleas and dogwoods are planted in front of white pines and hemlocks.

SNIPES FARM AND NURSERY

U.S. Route 1
Morrisville, PA 19607
Joan Mathias, Chair

GARDEN GEMS

The precious gems for a piece of jewelry are selected for their individual beauty and for their relationship to the total setting. Likewise, plants of different shapes, hues and textures can be brought together to create a harmonious landscape. These garden gems, strangers from afar, complement each other in this hillside garden.

J. FRANKLIN STYER NURSERIES

U.S. Route 1, P.O. Box 98
Concordville, PA 19331
Roland Taylor, Chair

SECLUSION

This young and busy family has built a raised deck as an entertainment center and surrounded it with a secluded

garden landscaped in a style to satisfy their horticultural interests. A hot tub sunk in the deck provides a spot for relaxation. The balance of the deck can be used for dining and other activities.

VICK'S WILDGARDENS, INC.

Conshohocken State Road, Box 115
Gladwyne, PA 19035
Alfred F.W. Vick, Jr., Chair

CONSERVATION OF ENERGY IN YOUR HOME AND GARDEN

10 years ago most underground structures were only considered suitable for bomb shelters. Today an underground home is an attractive proposition in order to take advantage of the constant temperature beneath the earth's surface. This below-grade home has a planted roof and looks onto a peaceful pond. Rhododendrons and a mixed planting of shrubs provide a backdrop for ferns and wildflowers.

WHITEMARSH LANDSCAPES, INC.

7 East Stenton Avenue
Plymouth Meeting, PA 19462
Stanley M. Leighton, Chair

SPRING-RISE FARM

This suburban estate with its manicured garden is backed up against a wooded hollow. Two small springs feed into a larger stream. The sound of a waterfall enhances the

peaceful atmosphere. Hemlock, shadblow, native rhododendrons and deciduous azaleas form a screen behind the more formal area planted with boxwoods.

STAR ROSES NURSERY

The Conard-Pyle Company
West Grove, PA 19390
Richard J. Hutton, Chair

Designed and staged by: Muehlmatt's Greenhouses
Old Marple Road
Springfield, PA 19064

Theodore D. Muehlmatt, Chair

PHS ROSE GARDEN

Enjoy this mass planting of roses—it will be a while before you get blooms on your garden plants. Look carefully at the flower colors. You may find just the variety you want to plant in your garden next summer.

WATERLOO GARDENS, EXTON AND DEVON

200 North Whitford Road
Exton, PA 19341
Roberts Le Boutillier, Chair

A GARDEN FOR THE '80s

Like the rest of us, the fuel crises is probably encouraging you to spend more time at home. Waterloo Gardens has created a garden that will be easy to maintain and fun to live in while supplying the family with the serenity so necessary in our busy lives. A new life-style for the '80s.

GALE NURSERIES

SCHOOLHOUSE ROAD, GWYNEDD, PA. 19436
(215) 699-4714

*DISTINCTIVE • FUNCTIONAL
DESIGN*

CHARLES H. GALE, REG. LANDSCAPE ARCHT.
CHARLES H. GALE JR., B.S. ORN. HORT.

PETERSON'S NURSERY

Route 206 between Princeton and Lawrenceville

Flowers

Landscaping

In season Fruits & Vegetables

Wicker Baskets

Pottery

*The area's largest selection of
HANGING BASKETS*

Now Every Day's A Field Day At Plant Place Greenhouse



40% Discounts, Cameraderie, Draw Plant Lovers To Roxborough

A few short months ago the Plant Place opened its commercial greenhouse to the public, and announced a 40% across-the-board reduction on retail prices there.

Things haven't been the same since!

Any day of the week, you can find scores of Delaware Valley green-thumbers and their families browsing through the sprawling Roxborough greenhouse. It's been rumored that the much-advertised 40% figure is a conservative one, with discounts often ranging even lower. This would certainly account for the enthusiastic crowds.

"Sometimes it feels like we're having a community get-together in the country," marveled Plant Place owner Gary McClain. "People have the best time wandering up and down the aisles, telling plant stories to perfect strangers, getting dirt on their shoes!"

For all the high-spirited informality, it's still the prospect of saving a bundle that has people coming back to the greenhouse on a regular basis. Besides the staggering inventory of plants of all sizes and descriptions, there are loads of accessories, pots, hangers, plant foods and literature.

For anyone who brings in a sickly plant, a free "outpatient" plant clinic is on hand to bring it back to health. And real bargain hunters can always save 50% on the Special of the Month!

McClain likes to feel he's made a real contribution to solving the nation's economic woes. "For us, business is great," he beams. "So much for recession! For our customers, the savings are great. So much for inflation!" It's an arrangement that suits area plant lovers just fine.

Every day is a good day to save 40% and have a grand old time plant shopping at the Plant Place Greenhouse, down Seville St. at 5500 Ridge Ave., in Roxborough. (Lost? Call 487-1515.) Open 8 to 5 daily. The 21st & Walnut St. store open Mon. thru Sat., 9 to 5. Sundays, noon to 5.

The largest Sunflower on record measured 8 feet across from petal to petal. Source: The Pinnocchio Book of World Records.



Gardens in Competition

For the first time, there are two separate garden classes. In Class 151 four garden clubs present "As You Like It," a section of a colorful garden. Each club has created its own design and selected the plants for its entry.

Participants in Class 152, The Challenge Garden, have never

entered a garden competition in the Philadelphia Flower and Garden Show. Each club was given exactly the same number of bricks and railroad ties, the same assortment of plants and the same volume of sod and mulch. Their challenge is to come up with an attractive, imaginative and functional design.

CLASS 151 AS YOU LIKE IT

The Garden Club of Philadelphia
Mrs. Charles W. Forbes, Chair
Mrs. Richard H.R. Toland, Vice-Chair

The Garden Club of Wilmington
Mrs. Charles H. Norris, Chair
Mrs. Alexander Roe, Vice-Chair

Rose Tree Gardeners
Mrs. James T. Loughhead, Chair
Mrs. John M. St. John, Vice-Chair

Wissahickon Garden Club
Mrs. E. Perot Walker, Chair
Mrs. Morgan R. Jones, Vice-Chair
Mrs. Gerald C. Romig, Jr., Vice-Chair
Mrs. David Scull, Jr., Vice-Chair

CLASS 152 GARDEN CHALLENGE CLASS

Greene Countrie Garden Club
Mrs. William A. Colehower, Chair
Mrs. Harry Bach, Co-Chair

Maple Glen Garden Club
Mrs. A. Grant Webb, 3rd, Chair
Mrs. Robert B. Murray, Co-Chair

Stony Brook Garden Club
Mrs. John W. Flemer, Chair
Mrs. Angeline F. Austin, Co-Chair

Woodland Garden Club
Mrs. Edwin C. Reich, Chair
Mrs. Joseph J. Boehler, Co-Chair



photo by Edmund B. Gilchrist, Jr.

1979 Garden: First Place: Huntingdon Valley Garden Club

AMERICA'S FINEST

AFRICAN VIOLETS AND GESNERIADS

- ★ SEE OUR BOOTH AT THE FLOWER SHOW
- ★ VISIT OUR FASCINATING GREENHOUSES
- ★ WRITE FOR COLOR CATALOGUE (20¢)

fischer

GREENHOUSES LINWOOD
NEW JERSEY
08221



County Line Landscape Nursery

located on Rt. 113 near
Harleysville, Montgomery County
phone: 723-8955

*Preserving natural beauty for
outdoor living*



Room Sections in Competition

photos by Edmund B. Gilchrist, Jr.

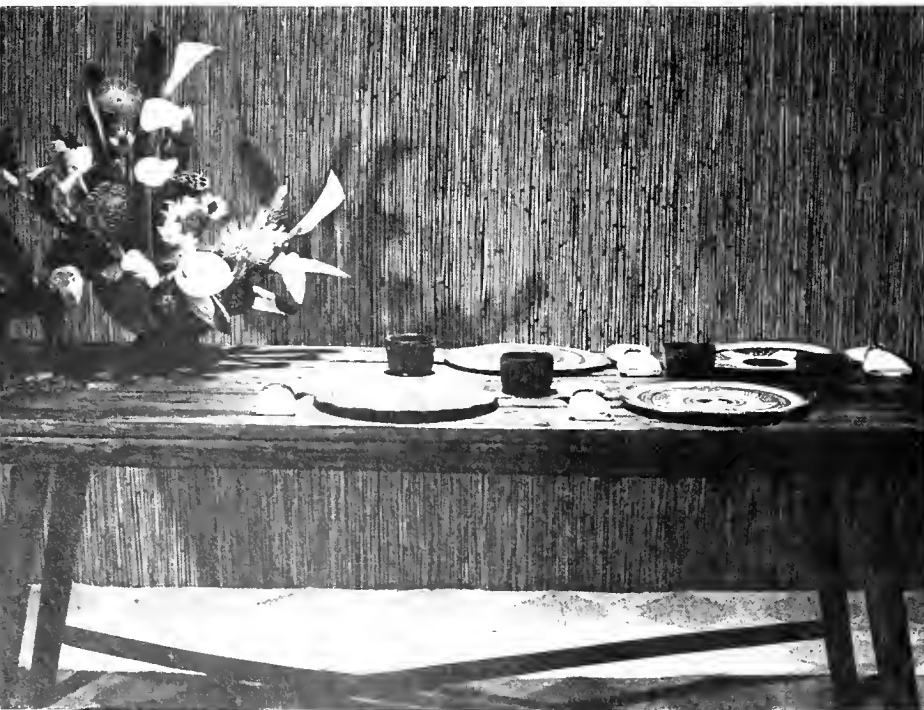


1979 Room: Time Off, Second Place: Four Lanes End Garden Club

CLASS 131 A PLACE OF BUSINESS

- Bala-Cynwyd Garden Club
Mrs. L.M. Weeks, Chair
Mrs. Frank Agustino, Vice-Chair
- Conestoga Garden Club
Mrs. Thomas Hamilton, Chair
Mrs. Thomas H. Yeakle, Vice-Chair
- Four Counties Garden Club
Mrs. Louis Hood, Chair
- Four Lanes End Garden Club
Mrs. R. Pfeilsticker, Chair
Mrs. Lawrence A. Monroe, Vice-Chair
- Garden Workers
Mrs. McBee Butcher, Chair
Mrs. Peter Jordan, Co-Chair
- Moorestown Garden Club
Mrs. Gregory Nicholson, Chair
Mrs. John Willett, Co-Chair
- Norristown Garden Club
Mrs. Leigh Narducci, Chair
Mrs. Jerald Fingerut, Vice-Chair
- Wissahickon Garden Club
Mrs. Stanley N. Pearson, Jr., Chair
Mrs. Peter G. Stanley, Vice-Chair

Table Settings in Competition



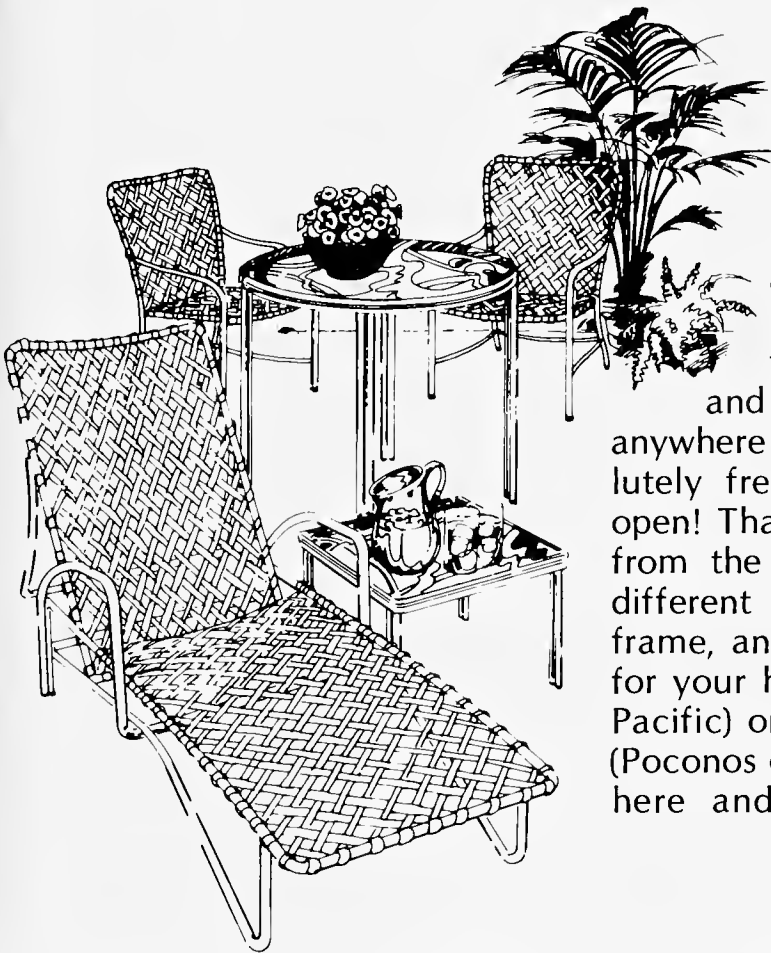
1979 Table: Around the World, Third Place: Random Garden Club

CLASS 132 TABLE FOR TWO

- Chestnut Hill Garden Club
Mrs. Charles Leighton, Chair
Mrs. Arthur Judson, 3rd, Vice-Chair
- The Country Gardeners
Mrs. Howard Viguers, Chair
Mrs. Gabriel J. Scala, Vice-Chair
- The Garden Club of Philadelphia
Mrs. Henry F. Harris, Co-Chair
Mrs. George Q. Nichols, Co-Chair
- Greene Countrie Garden Club
Mrs. Charles Humphreys, Chair
Mrs. Maurice W. Waite, Jr., Vice-Chair
- The Planters
Mrs. John F. Arndt, Chair
Mrs. Elizabeth Edmunds, Vice-Chair
- Wayne Woods Garden Club
Mrs. Edwin C. Thomas, Chair
Mrs. Richard Spillman, Vice-Chair
- West Chester Garden Club
Mrs. Willard L. McEwen, Chair
Mrs. Robert S. Gawthrop, Co-Chair
- Wissahickon Garden Club
Mrs. James M. Stewart, Chair
Mrs. Robert W. Simonin, Vice-Chair

"Borne" Free

The delivery charges are on us,
during our famous Brown Jordan
pre-season sale!



Right now we're offering an opportunity to select famed Brown Jordan outdoor furniture at a pre-season discount and have your selection delivered anywhere in the continental U.S. absolutely free. And the selection is wide open! That means you're free to choose from the entire BJ line... some 3,500 different happy combinations of style, frame, and lacing colors. Stock up now for your home at the shore (Atlantic or Pacific) or your home in the mountains (Poconos or Rockies), or your home right here and save all delivery charges.

35

William H. Frederick

8605 Germantown Avenue, Chestnut Hill (Phila.) PA • CH 7-1668
845 Lancaster Avenue, Bryn Mawr PA • 525-7635

Visit us at Booth 68



Niches in Competition

You have always been a flower arranger—little posies in the kitchen, large vases for formal occasions—but never a niche in the Philadelphia Flower and Garden Show. Maybe the time has come, and you are not quite sure how to go about it.

If you are a member of the Pennsylvania Horticultural Society, you will automatically receive an Exhibitors' Guide and Schedule in the mail next July. If you are not a member, call the Society (215-625-8250) in the summer, and ask for a schedule to be mailed to you.

From the schedule you will see that three niche classes will be open on each of the Show days except the first and the last. That means only 21 people can compete on any given day, and you should promptly send in your entry to be sure of securing a place in your chosen class. Among the classes you will find a wide selection of themes for interpretation. There's even a class for novices who have never won a blue ribbon in the niche classes. In all but a few you will find fresh cut flowers are mandatory; no artificial plant material is permitted in any class.

Once you have mailed your entry to the Pennsylvania Horticultural Society, you may think about the design for the niche at odd moments throughout the rest of the summer. During a shore vacation you may collect driftwood, by the roadside you may gather seedpods, in your garden there may be blossoms suitable for drying. Your design may not be set, but summer is the time to gather bits and pieces before the landscape turns barren and wintry.

In early fall you will be invited to a flower arranging symposium at the Pennsylvania Horticultural Society. Here the stars of the niche world—those who have won ribbons, cups and certificates in past shows—will discuss this business of preparing a niche for the Philadelphia Flower and Garden Show. One arranger may show you how to insert the background without wrinkles and gaps and tears, another may discuss the lowdown on lighting.

Later in the winter you will probably wish to participate in a series of workshops in an arranger's home, where exhibitors bring their trial arrangements for friendly critique. The first time you may be too shy to show your arrangement in public. Later you will realize that niche arrangers are competitive, but they are also very supportive of less experienced exhibitors.

Finally the Philadelphia Flower and Garden Show is upon you and it's your turn to compete. The day before the competition you will pick up your fresh flowers, including plenty of extras in case of disasters. The day of the competition you will leave your house in a flurry with a car full of vases, accessories, flowers, pinholders and a basket full of curious objects to cover every (or so you thought) foreseeable problem.

By 7:15 a.m. your niche will have been vacated by the previous day's exhibitor. First you will install the background, the vase, the driftwood and finally the flowers. You will have practiced this design over and over again during the winter but the allotted time will seem hardly sufficient.

By 9:15 a.m. you will be ready to face the first hurdle, the passers who decide if your arrangement meets the standards of the Philadelphia Flower and Garden Show. Passers play an important role because once they have put a small red "p" (pass) on your card, the judges are obliged to judge your arrangement. Now all you can do is to pace the floor until the judges reach your niche to consider how well you have interpreted the message of the class to the public, as well as traditional points of niche design such as line, height, color and balance.

There's a good chance that, no matter what the verdict on your arrangement, you will probably return the following year to compete in the niche section of the Philadelphia Flower and Garden Show. Some of the old-time niche arrangers started on a whim at the urging of a friend 20 years ago, and they still cannot kick the habit.

NICHES IN COMPETITION

1. Large
2. Medium
3. Small

Sunday, March 9

1. Juxtapose. A composition using unexpected combinations.
2. Candlesticks. A dried arrangement incorporating candlestick(s).
3. Sculpture. A design using succulents.

Monday, March 10

1. Quote-Unquote. An interpretation.
2. Market Place. A composition of fruit and/or vegetables.
3. Measure for Measure. A composition incorporating a measuring device.

Tuesday, March 11

1. Color Chorus. An arrangement stressing color.
2. Holidays. Novice Class. Open to those who have never won a blue ribbon in the niche classes.
3. Geology. A design.

Wednesday, March 12

1. Signs of Spring. An arrangement of natural materials.
2. Objects Trouvés. A composition incorporating one or more found objects.
3. Top it Off. Challenge Class. Arrangement to be staged on a pedestal provided by PHS.

Thursday, March 13

1. Angles and Curves. A composition.
2. Profusion. A mass arrangement of flowers and foliage.

3. In the Mood. An interpretation of a state of mind.

Friday, March 14

1. Discovery. An arrangement to suggest an invention.
2. Flora and Fauna. A composition.
3. Line Drawing. A design.

Saturday and Sunday, March 15 and March 16

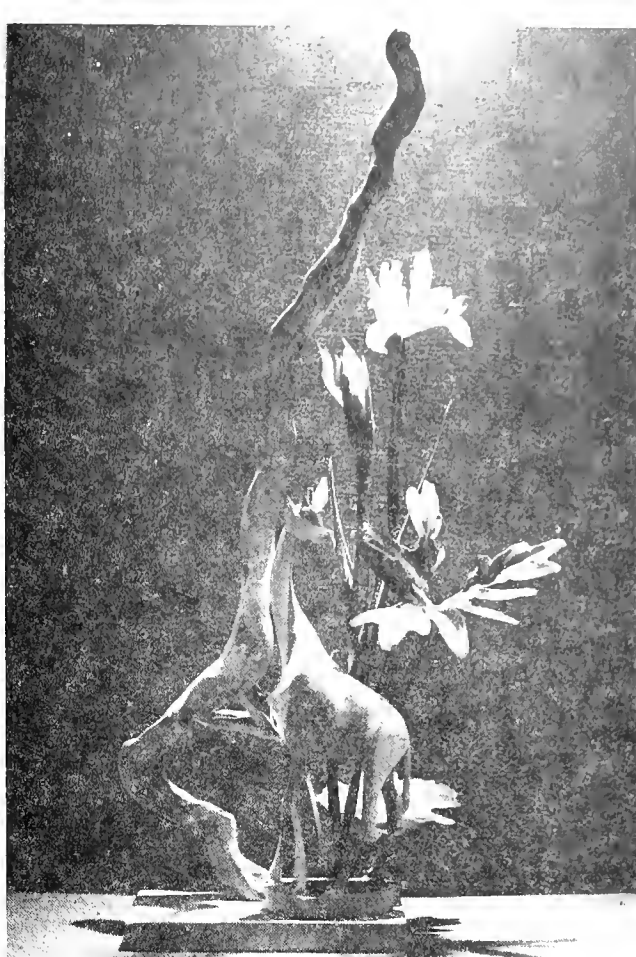
1. Simplicity. A composition of dried plant material.
2. Bottles and Beauty. An arrangement with one or more bottles incorporated into the design.
3. Flourish. A design of orchids.

Saturday, March 8 through Tuesday, March 11

- Free Form -- a design staged on a column provided by PHS.



1979: Etched, First Place: Mrs. Charles Barwise



1979: On the Job, First Place: Mrs. M. A. Cramer, Jr.

Designs for Pressed Plants

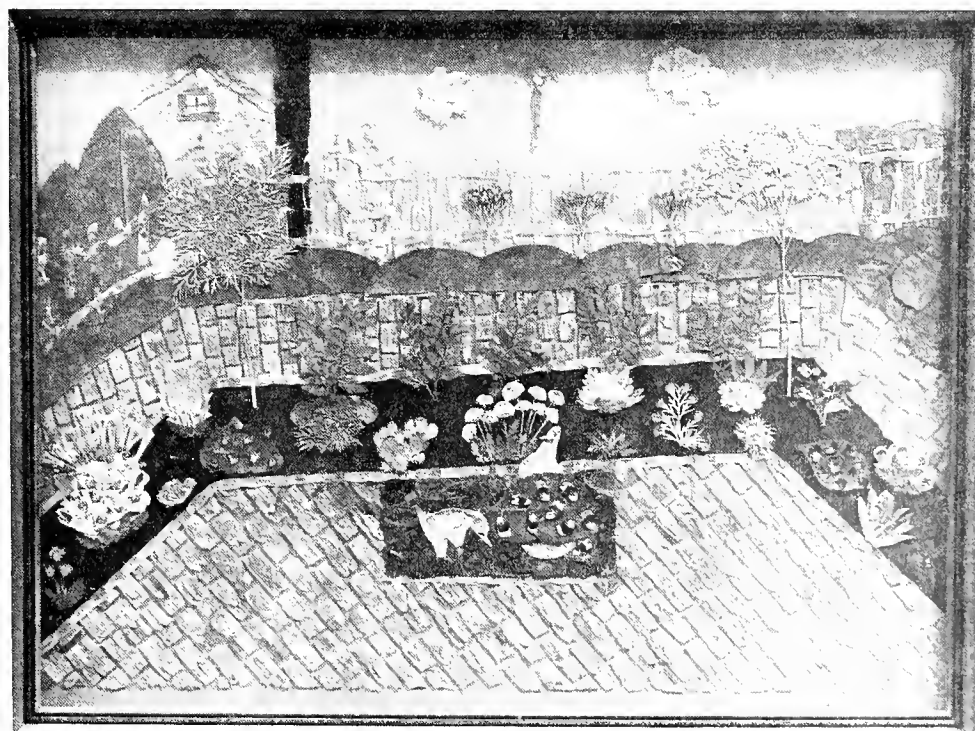
Class 141 Birds, Bees, Bugs and Butterflies

Class 142 Wreath of Flowers. Foliage optional.

Class 143 Design for an 8 in. x 10 in. Greeting Card

Class 144 Book Mark Design, 6 in. x 18 in.

37



John P. Zastowney won second prize with his "View from a Window."



"a creative
approach to
functional
design"

Meadow Brook Nurseries

Media, Pennsylvania Telephone: 215/328-3833

38

Peter's Clay Pot Mart

The most extensive collection of fine Italian and domestic clay pots — in all sizes and shapes, wholesale and retail. Choose from stoneware, Mexican artifacts and animal planters, Ingrid plastic cylindrical pots, concrete lawn ornaments, statuary, urns, planters, cast iron furniture and patio blocks.

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Landscaping . . .



photo by Molly Adams

"Summers at the Shore" — Pitney and Hotchkiss's entry in the 1978 Philadelphia Flower and Garden Show miniature class.

on a small scale

by Kathy Pitney

Many of the entries in the miniature class in the Philadelphia Flower and Garden Show are done by two people working as a team. In our case Jane Hotchkiss does the construction and I do the planting. Both members of the Garden Club of Somerset Hills, New Jersey, Jane and I fell into this happy partnership by accident. In 1976 our garden club had, as usual, committed its members to entering the 1976 New York City Bryant Park Flower Show. As president of our club, Jane was concerned by the lack of entries in the show, and persuaded me to help her build a New York townhouse backyard for the miniature class. At that time I had no experience in either constructing or landscaping a miniature, and Jane had only made miniature furniture as part

of a garden club project. This first attempt, however, introduced us to a wonderful new hobby. Subsequently, a miniaturist from Philadelphia, who had seen our entry in the Bryant Park Flower Show, invited us to exhibit in the 1977 Philadelphia Flower and Garden Show.

In landscaping our miniatures for the Philadelphia Flower and Garden Show, I try to make the plantings complement the rooms, buildings and generally enhance the whole scene. In addition, the plants must add dimension and appear to be the real thing. The plants we use are not, in most cases,

In accordance with the rules for the Philadelphia Flower and Garden Show miniature class these scenes are 40 in. wide, 18 in. deep and 30 to 40 in. high.

just a small version of a known and recognizable tree or shrub, but plants whose leaf sizes are approximately one-twelfth the leaf size of the tree or shrub being simulated. One inch equals one foot in the miniaturist's scale. Besides leaf size, the plants' growth habit must be similar to that of the plants being duplicated. That is not to say that a clump of birches and its simulation, an aralia plant for example, must be similar in every way. But the aralia plant must convey to the viewer at least the idea of a clump of birch trees.

When doing an entry for this class, Jane and I start with a floor plan and a sketch of the overall view. We decide on the architectural feature and then draw up a landscape plan to complement it. Next we build the planting

continued

Landscaping continued

box. It must be shaped to fit snugly against the architectural feature and fill the whole planting area. The depth of the box may vary from 3 in. to 6 in. We drill drainage holes in the bottom—1/8 in. in diameter and about 6 in. apart. The box must be waterproofed; we use at least three coats of polyurethane.

For drainage, we use pieces of styrofoam, which are lighter than potsherds. Then we fill the box with ordinary soil from the greenhouse bench. The fine soil desired in the final display can be added as topsoil if and where soil will show.

summers at the shore

In planting "Summers at the Shore" (photos 1 & 2), we placed the small simulated redwood frames around the vegetable garden. We added the picket fence, made of coffee stirrers, and delineated the path from the bottom of the porch steps with slate chips.

The first planting, along the rear of the box, is important not only to cover the box but to carry the eye to the background. In "Summers at the Shore," plants in this bed included a crape-myrtle, some junipers and a succulent monanthes. We then placed six

Kingsville box as the porch foundation planting. Kingsville box reminds me of rhododendron and laurel.

Planting the vegetable garden for this miniature created a special challenge because we wanted it to resemble my summer vegetable garden. The tomatoes on the extreme left are actually a pilea that resembles the tomato plant in foliage color (yellowish-green) and in growth habit. It is planted in small gauge wire which resembles tomato cages.

The tomatoes posed a problem until Jane thought of the red rose hips growing on a fence along the golf course. We compromised a bit on the rule that

Airplant turned out to be animal hair that is sold as a plant.

everything must be rooted; we glued the rose hips on the plant at the last minute.

We suggested broccoli by the tips of a miniature basil I have in the greenhouse. I made 1/2 in. tip cuttings and rooted them in sand before transplanting them into the redwood frame. Cabbages and cauliflowers were evoked by rows of small sedums—each rosette cut,

rooted and transplanted into its row. Nature cooperated by producing a sport of *Sedum nevii* that was pure white—a perfect cauliflower, self-blanching.

For the feathery foliage of carrots, we first used something called airplant. Tracking its botanical name proved difficult. It turned out to be an animal hair that is sold as a plant. We subsequently found that Irish moss (*Selaginella kraussiana brownii*) could be trimmed down into rows that resemble carrot tops.

The center box in the vegetable garden was designed as a melon patch or a sprawl of squash. The plants are so similar that the interpretation would be up to the viewer. A very small-leaved ficus (*Ficus pumila* 'Quercifolia') grows in a mound, has leaves similar in shape to melon or squash leaves and sends out tendrils that defy containment. One rooted stem of "string of pearls" (*Senecio rowleyanus*), planted and woven into the ficus runners, looked just like green melons or unripe squash.

We tackled the ground cover or lawn simulation last. We had used baby's tears (*Helxine soleirolii*), but were not satisfied that its growth habit was compact or flat enough for this purpose.

40



Close-up of vegetable garden in "Summers at the Shore."

Cinderella — Pitney and Hotchkiss exhibit in the 1979 Philadelphia Flower and Garden Show miniature class "Tales of Childhood."



We decided to try to grow a real lawn. The first sowing was leftover seed from our outdoor garden lawns. The grass was too coarse and became more so when trimmed. I finally solved the problem with a small tin of putting green grass seed given to me by the greens-keeper at the golf course. The lawn has been re-sown occasionally, but a small flat of back-up grass sown 18 months ago is still in excellent shape.

Additional plants in "Summers at the Shore" were in hanging baskets on the porch. These were dried ferns and flowers. We have found it almost impossible to maintain rooted plants in $\frac{3}{4}$ -in. clay pots or in wire baskets lined with sphagnum moss because they cannot be kept moist under display conditions. When we need color we dry tiny leaves and flowers throughout the year to use in small containers. One basket is full of common knotweed, the other with tiny fern. We are still looking, but have found that few plants have flowers in scale. Those with tiny flowers, such as baby's breath, have leaves that are much too large for our purposes.

The last thing we added after we set

"Summers at the Shore" up for display were tiny pebbles on the paths. Needless to say, they do not travel well. The pebbles are bird seed, baked to kill the germinating potential. If even one seed does manage to grow, it is definitely out of scale.

tales of childhood

Different challenges presented themselves in our 1979 Flower & Garden Show entry. The category was "Tales of Childhood" and Jane was enthusiastic about the idea of Cinderella, complete with a ballroom facade, twirling dancers and a working fountain (photo 3). A formal garden was needed to complement the ballroom. From this exhibit we learned that trimmed and clipped plants are more difficult to simulate than an informal setting.

The espaliers on the terrace were trained from several small-leaved shrubs. One of these is *Cotoneaster microphyllus thymifolius*, which we used as a V-shaped cordon below the terrace. On either side of the doors the espalier had to be in small planters, posing a watering problem. I had collected and dried a tiny flowered static (*Limon-*

ium tataricum) from a site on a recent visit to Turkey. It lent itself to the espalier form of supports and produced a wonderful delicate tracery against the white walls in the moonlight.

The two Versailles boxes, either side of the base of the terrace, called for topiary, but all the "tree" stock I had on hand defied such precise trimming. Jane suggested ping pong balls on an orange stick. The balls were filled from a hole the diameter of an orange stick with coarse sand. Small holes were poked all over the remainder of the ball. Cuttings of *Sedum nevii*, dipped in rooting hormone and inserted in the ball, rooted and made a trim, neat topiary. I must caution you about this kind of horticulture: it is time consuming. It took more than 50 cuttings to cover the ping pong ball, and they require daily mistings of water and a regular light foliage feeding, as they are not in soil.

The hedges bordering the paths are seedlings of *Asparagus myersii*. The

continued

This is the fourth consecutive year that Kathy Pitney and Jane Hotchkiss have competed in the miniature class of the Philadelphia Flower and Garden Show.

Landscaping continued

solution for ground cover in Cinderella was nertera, a compact dark green, flat-growing herb.

maintenance of miniature landscapes

Maintaining the miniature landscape can be a problem. If plants that grow in a sunny window are used, year-long maintenance may consist simply of watering, pruning and occasional feeding. Our planter boxes, removed from the display, benefit from the ideal growing conditions of my greenhouse in winter and a semi-shaded outside location when New Jersey weather permits. Some plants grow very rapidly and require constant cutting back or even replacement.

The following list of plants only scratches the surface of possibilities. Most we have used because they immediately suggested the kinds of plants we wanted to simulate.

Ground Covers

grass
Nertera granadensis
Sagina subulata
Helexine soleirolii
Mentha requienii
Lysimachia minutissima

Shrubs

Buxus microphylla 'Kingsville'
Chamaecyparis pisifera
Chamaecyparis obtusa 'Nana'
Juniperus virginiana 'Burkii'
Monanthes
Pilea microphylla muscosa
Calluna vulgaris 'Dainty Bess,'
'Mrs. Ronald Gray'

Trees

Polyscias fruticosa
Myrtus communis
Chamaecyparis
Juniperus
Tsuga canadensis
Serissa
Cotoneaster microphyllus thymifolius

Vegetables

Sedum nevii
Sedum dasyphyllum
Sedum lineare
Ocimum basilicum
Mentha
Selaginella kraussiana 'Brownii'
Pilea microphylla
Ficus pumila 'Quercifolia'



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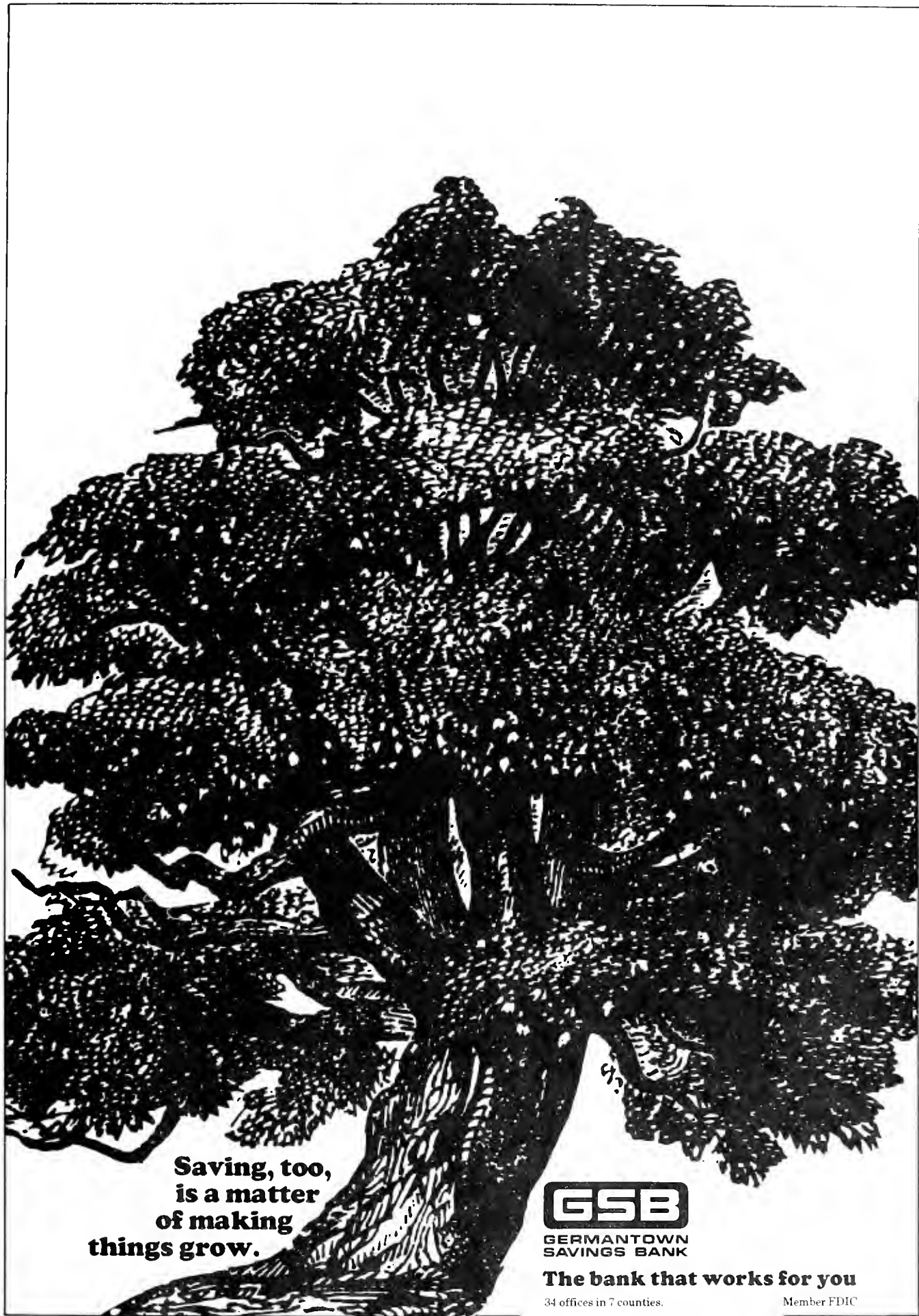
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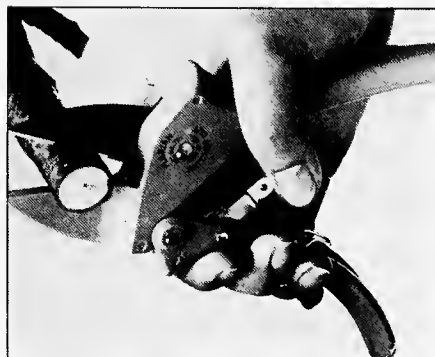
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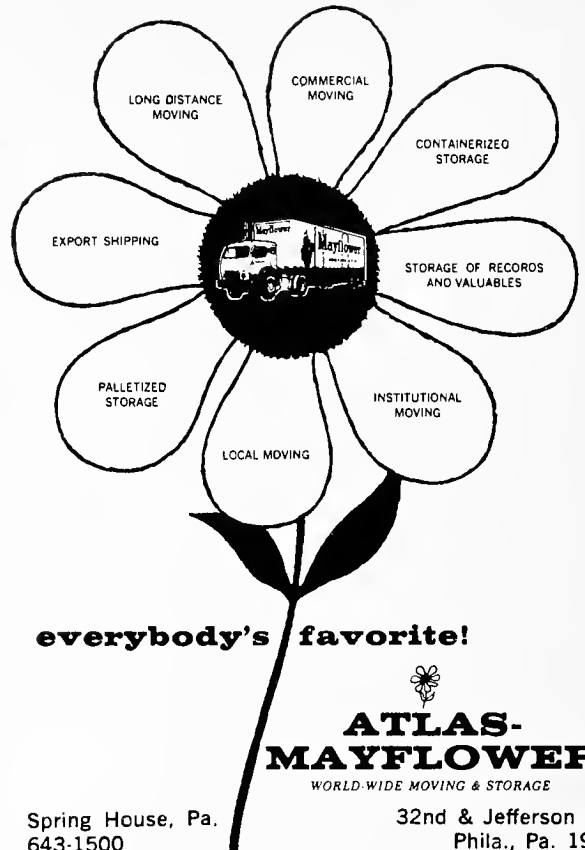
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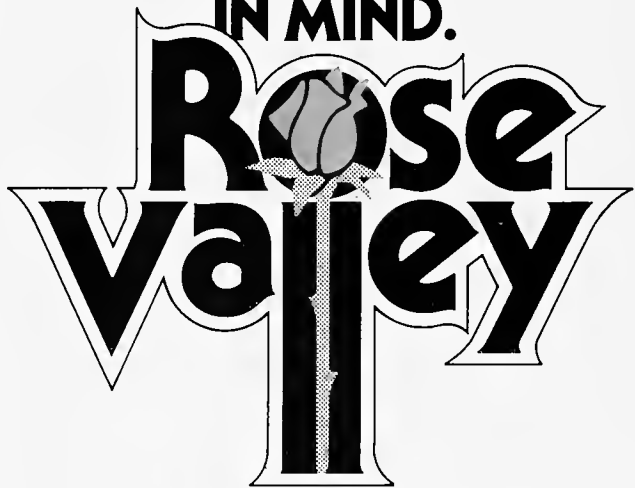
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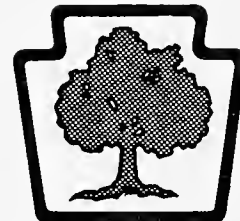
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1981 PHILADELPHIA FLOWER SHOW



WELCOME TO THE SHOW!

This Flower Show is Philadelphia's very special harbinger of spring. It is the city's most important horticultural event of the year.

I would like to emphasize a few of the unique features of this Show.

The majority of the plants are forced and forced with ever-increasing skill that ensures their perfection for the March Show dates.

Another accomplishment has been the Competitive Classes. Ernesta Ballard started these in 1958 and has established standards that have constantly improved the horticultural excellence of the Show. Over 1,000 entries to the Horticult are accepted after careful screening.

And then there is the tremendous enthusiasm and dedication of over 1,000 volunteers. Money could not achieve this extraordinary effort.

I just wish that you could watch the actual process of setting up the Show from its beginning with over four and one half acres of empty space. The floor is first marked off according to the final Show plan and smilax is hung to soften the overhead structure. Trucks arrive with rocks, earth and building materials. Larger trees and background planting is placed and definition of the individual exhibits takes place. Buildings, walls and pathways are constructed. Finally come the great variety of forced blooming plants which are carefully placed to create the final effect.

It all seems to happen spontaneously but that is not so. The direction and skillful coordination come from our talented professional staff, commercial horticulturists and committee members who work together so well.

I thank the exhibitors, those that enter the Competitive Classes, the volunteers, those that operate trade booths and all the rest who make this such an outstanding Flower Show.

As you descend the stairs from a dormant early March the sight before you is breathtaking.

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Philadelphia Flower Show

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1981 PHILADELPHIA FLOWER

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Behind Those Green Scenes

Through rain, sleet and snow . . . the Show must go on

Doubt that the sky is blue or that grass is green; doubt that the sun will rise but never doubt that the Flower Show will open.

Staging a major flower show amidst the Ides of March requires that everyone keep their eyes on the weather situation. Often snow and cold present real problems for those moving flowering plants that have been forced in greenhouses with temperatures of 60 to 70 degrees.

Only through extreme precautions, such as covering plants with plastic and pre-heating trucks or cars, are exhibitors able to safeguard their plants from the freezing weather. One year everyone was disheartened as the turf arrived dried out with a wheaty color because all of the sod along the east coast had been buried under snow for weeks. Some suggested spraying it with a green dye material used on golf courses, others suggested waiting. Those who urged waiting emerged as the wise for after a few days the grass began to revive and turn green.

Last year 17 truckloads of mulch arrived from upstate Pennsylvania still frozen. With the aid of

flamethrowers the mounds were defrosted and the Show preparation remained on schedule. Landscape nurserymen have had their own temperature traumas, as heaters fail in greenhouses spoiling their prize plants right before the show.

Exhibitors have been stranded in Philadelphia during storms, often finding refuge at a nearby hotel. One year sleeping bags were camped on the office floor at PHS headquarters for several gallant workers.

In 1978 after seven inches of snow fell, horticulturists, landscapers, nursery workers, and arrangers tucked their watering cans under their arms, climbed into carefully warmed vehicles and started driving. Some were on the road for as long as four hours. For many there was no thought of turning back. One exhibitor drove up from McLean, Virginia with a birdbath. It took three hours to go 20 miles. She backtracked to Washington, DC to take a train instead: at the station the porter dropped the clay birdbath shattering it into a thousand pieces. She promised to arrive with a replacement birdbath the next day and she did.

Weather can provide problems in

Through rain, sleet and snow . . .



Eliminating lake leaks, maintaining moisture...and other "water sports"

the opposite extreme. If a sudden burst of spring weather arrives early, sometimes temperatures soar to 70 degrees and our problem shifts to keeping the Civic Center cool enough to house so many perishable plants through these brief "heatwaves."

But despite the unpredictability of Mother Nature, the Flower Show family always weathers the storm, warms up to the occasion and the Show goes on.

Eliminating lake leaks, maintaining moisture and other "water sports"

Each year the Flower Show family is up to its ears in water maintenance problems, or sometimes just plain up to their knees in water. Rather us than the Flower Show visitors.

This year it was decided to bring in 6,000 gallons of water to produce the entrance lily pond and the main feature, a Pennsylvania canal. Conquering the challenges from birdbaths to waterfalls in previous years gave us confidence to proceed.

Technical aspects of how to construct a poly-lined body of water aren't difficult but one still has to anticipate the leaks. Armed with a

patching kit, wading boots, a snorkel mask and a Zamboni machine which vacuums water from the floor, the staff has saved many a visitor from soggy socks. Fast reflexes and good preparation have proven invaluable when things get leaky!

One year a supply truck ran over a water outlet and suddenly "old faithful" gushed high into the air. But each morning before the show opens a crew of horticulture students from W. B. Saul High School of Agricultural Sciences mop up those unexpected spills.

Visitors who enjoy the Flower Show's waterfalls, unique garden pools and babbling brooks may not realize that these bodies of water are critical in maintaining the humidity in the high ceilinged, heated hall. To prevent waste all water is recirculated and reused within each exhibit. The concrete floor of the Civic Center acts like a sponge and sucks up moisture. Plants dry quickly, particularly the ferns and topiaries. Plants must be misted three and four times daily. Cacti and succulents are easiest to care for, because they generally don't need much water. The "hose down" takes place early in the morning and late in the evening

when there are no crowds.

Many exhibitors have incorporated water into their displays to overcome the lack of moisture. So many, in fact, that one year a flock of confused ducks from the Zoo's exhibit were able to "vacation" in another exhibit-bathing under the waterfall. They weren't charged rent and no one complained so all was just ducky . . . and they were rescued in a large fishing net and returned before the end of the Show. In short, water serves practical as well as aesthetic functions at the Flower Show.

The lilies in that practical, as well as aesthetic pond at the entrance are getting special attention. Not only is the water maintained at 80 degrees—because the blooms would close if it were chillier, not only do underwater pumps help prevent the growth of algae, but there is also a hot tub heater at work there. So the lilies will keep their blooms open and relaxed for the entire Show. ■

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The Horticult



They come in all shapes, sizes and colors . . . both the plants and exhibitors who enter the Horticult classes. A wide range of experience among gardeners can be witnessed in the Horticult, from dedicated horticulturists who have been at it for more than 50 years to the plant lover who may have begun growing seriously only in the past year or two. Professions vary, from the woman doctor to the retired bank officer; from the high school garden enthusiast to the prolific hobbyist with a wheelbarrow of entries. Well tended plants come from urban windowsills and suburban greenhouses. Over 1,200 entries are judged each year.

Before the plants are placed in the Horticult they are examined by a "passing" committee. In regulation size pots, with correct botanical names, these "insect-free" plants then await the judges' review. Some of the plants are easily identified and readily available at local nurseries, garden centers or greenhouses. Others—for example a rare rock garden plant—can only be obtained through exchanges among a network of dedicated gardeners.

Judges base their decisions on such factors as the

plant's cultural perfection or appearance, its distinctiveness and how it is groomed. Plants that have won consistently may not necessarily fare well again because new and different plants are always being entered and this changes the elements of the competition.

Horticult competitors want to share their enthusiasm about particular plants and want to test their skill against the best growers in the area. If you would like to stick in your green thumb and pull out a plum in next year's competition, send in the attached coupon requesting a 1982 Show schedule. These schedules will be printed in the summer and mailed in early fall. You can also brush up on growing and grooming tips at the workshops sponsored by the Pennsylvania Horticultural Society year round. Another valuable resource if you are considering exhibiting, is the PHS library, a 14,000 volume collection of horticultural books available to everyone at 325 Walnut Street. Please use the blank page at the back of this book to note the classes you wish to enter in next year's show.

7

To: Flower Show Secretary

Pennsylvania Horticultural Society, 325 Walnut Street, Philadelphia, PA 19106

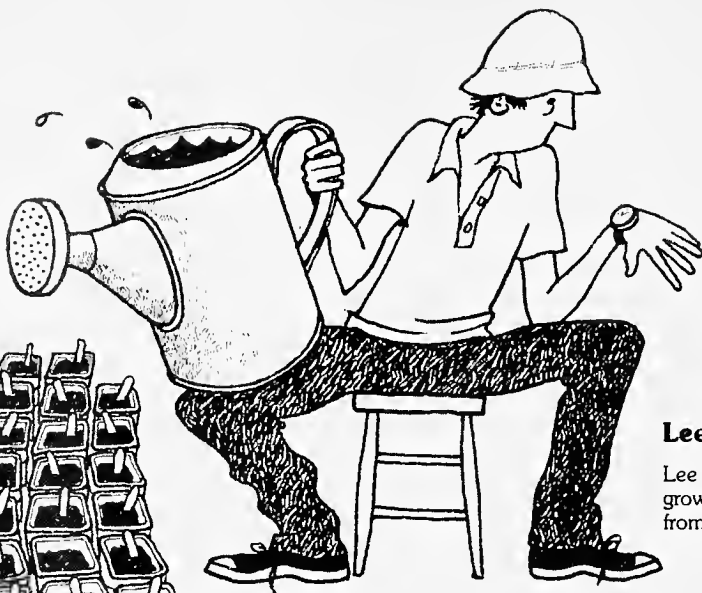
— I am interested in hearing more about exhibiting in — the Horticult — Artistic Classes

Please send me one copy of the 1982 Philadelphia Flower Show Exhibitors' Schedule

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Lee M. Raden

Lee M. Raden continues his active interest in growing some of the more exotic alpins from seed.

GROWING PLANTS FROM SEEDS

One of the things that particularly fascinates me is the "cast-in-bronze" statements we make in writing about our hobby. In January 1973 I wrote an article on seeds in the *Green Scene* and in reading it over I feel that many of the things that I said are still valid, but I have changed my mind about some techniques in seed handling.

Why grow plants from seed in the first place when it is so easy to buy plants at your local nursery, get them from your best friends, steal them from your enemies, or just hack them apart and divide them? The answer to these questions is easy. Absolutely no form of gardening brings greater pleasure than growing your plants from seed. There is a magic in growing plants from seed, and part of the magic is water. A completely dry seed is in suspended animation, and water recharges it and starts a wonderful chemistry. Molecules of water begin to penetrate the outer

coat of the seed, and when this water content reaches somewhere in the neighborhood of 8% of its total bulk the seed will begin to stir. When the water content reaches 12% germination and growth begin. Once this germination and growth begin then we are in a do-or-die situation. If we do not water the little seedlings properly they will slowly burn up their food reserves and die. Therefore, rule number one is: once you start watering the seeds they must never be allowed to dry.

When do we sow the seed? We sow the seed when we get it. If it's seed for vegetables, or annuals for the garden, we generally order them for the proper time for sowing. If we get the seed before it should be sown, it should be kept in some type of waterproof container such as a jar. However, if it's seed that must be stratified or chilled, it is best kept in the refrigerator, in a jar, until sowing.

I don't use sterilized soil. It doesn't occur in nature and, quite frankly, the average gardener or horticulturist does not need it. The real super secret is a light, porous, extremely well-drained medium; a medium that allows good oxygen retention, water drainage and has a rich nutrient base. Such a medium is needed for the seedling roots to spread and feed. A good seed soil mixture is composed of $\frac{1}{3}$ to $\frac{1}{2}$ stream sand and the balance a mixture of garden soil and compost. A major change in my thinking since 1973 is that I never incorporate peat of any kind in my seed pans. Seeds of the *Ericaceae*, and their seedling plants, do not need peat. Peat retains too much water and is a major cause of damping-off. I am assuming that we all have a source of compost; if you do not, then go out into the woods, get permission from the owner, and use some of that marvelous hardwood forest duff for your compost, but use compost.

In blending the above-mentioned soil mixture it should not be tamped or crushed. It should be aerated by throwing it up in the air; never screen the mix. Gently pour into the seed pans using a broad trowel. In place of tamping, shake the pan gently to obtain a level surface. Now sow your seed as uniformly as possible on the top of this mixture. If the seed is large, very carefully cover it with some coarse stream sand. If the seed is fine, mulch the top lightly with $\frac{1}{8}$ inch stone chips or aquarium gravel. Water thoroughly from the top using a fine nozzle. That is how nature pushes the seed into the soil.

Now a constant vigil must be kept. The seed pans must never be allowed to dry out and they should be stored someplace out of the sunlight, but in a light area. I never cover seed pans with newspaper, polyethylene or glass because proper air circulation is important and in a closed atmosphere with 100% humidity it's asking for trouble. When the seed germinates in a highly humid atmosphere "damping-off" is usually what happens.

When germination occurs the plants must be moved to much

stronger light, preferably to sunlight, for part of the day. Good ventilation is now all-important, and we must make sure that we have these last two factors in balance or plants will stretch from lack of light and you will never have strong seedlings, or they will damp-off. In my own experience, if your watering schedule and light and air circulation are correct, then your reward is an astounding growth of the seedlings.

Many experts say that when the first true leaves appear the seedlings should be pricked out. I never prick out plants at this stage. I let them fight their way in the container to the bursting point.

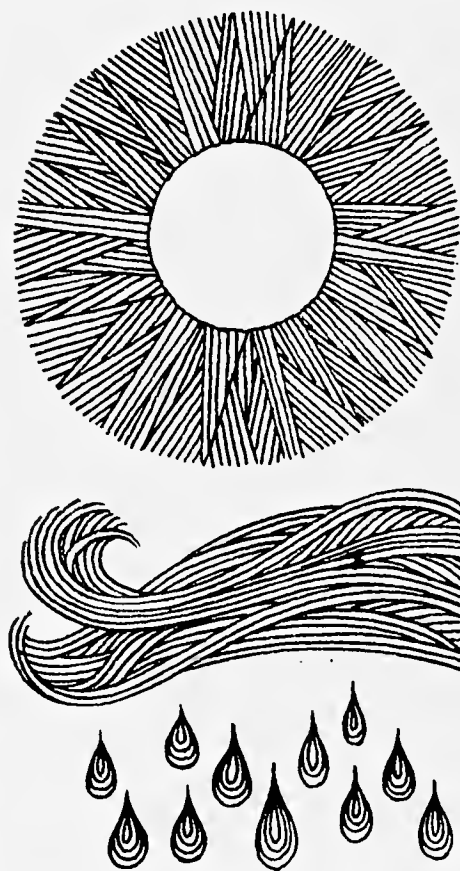
After this initial transplanting, give the plants about a week to recover. They will let you know their vigor is renewed by their color and general appearance. If you just took the seedlings directly from the seed pan to flats, or directly into the ground, fine, but let's be smart. Modify that garden soil or soil in seedling flats with sand. In our Delaware Valley soil I have found that it generally must be lightened considerably. If you will work sand into the soil and transplant on a day that is cloudy, you will find that there will be very little transplant shock if the plants are amply watered-in. Watering continues to be all-important until the plants are fully grown; and if you have proper drainage through the addition of sand, you cannot overwater or sour the soil. A top dressing of stone chips is as good for roses as it is for conifers or for very fine alpine plants. You will be keeping the neck of the plants dry, the soil will be cool, and there will be no soil spattering in the event of a thunderstorm.

From an expense viewpoint there is nothing cheaper than water. All plants need it for growth and the absorption of nutrients from the soil. You cannot over-water if you have proper drainage.

Fertilizers—use one with a low nitrogen content and cut the recommended manufacturer's dosage in half if the seedlings are healthy the halved dosage will be ample.

Happy gardening. ■

There is a magic in growing plants from seed, and part of the magic is water. A completely dry seed is in suspended animation, and water recharges it and starts a wonderful chemistry.



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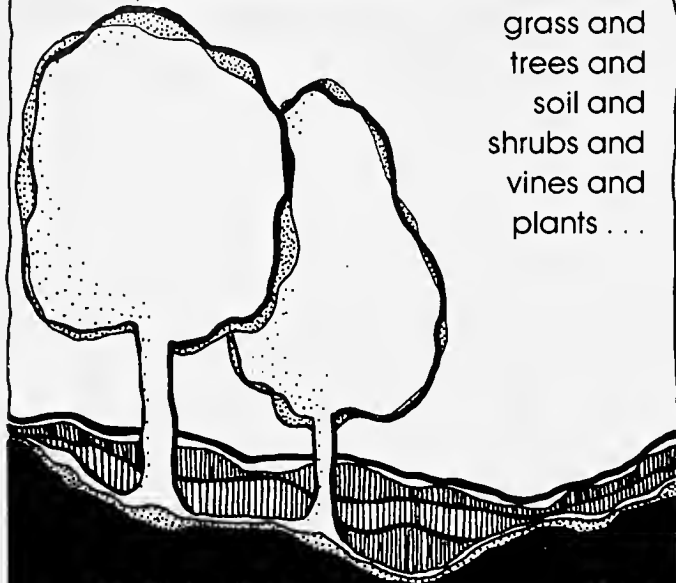
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Exhibitors

listed alphabetically

AFRICAN VIOLET SOCIETY OF PHILADELPHIA

2050 East Orleans Street
Philadelphia, PA 19134
Tom Seiler, Chair

AFRICAN VIOLETS

A demonstration of various ways to grow African violets in the home, this year's exhibit abounds with the plant that is still America's favorite for growing indoors. You are invited to walk through and hunt for your favorite variety among the wide range of colorful violets on display.

ALLIED FLORISTS OF DELAWARE VALLEY

426 Pennsylvania Avenue
Fort Washington, PA 19034
Robert W. Cullers, Chair
Staged by: Ken Elliott
Kuhn's Flowers Inc.
6100 N. 5th Street
Philadelphia, PA 19120

In cooperation with the Pennsylvania Horticultural Society

THE BARGE PARTY

Happy passengers are about to step aboard this quaint Pennsylvania canal barge, bedecked with flowers for a delightful summer evening party. Floral garlands guide them up the gangplank into a paradise of vibrant summer colors. Bright, cascading floral fountains of color trail from the barge's corners, while vividly-colored summer flower arrangements, enhanced by soft fireflies of candlelight, decorate the waiting tables.

AMERICAN RHODODENDRON SOCIETY

Philadelphia & Valley Forge Chapters
Kresson-Gibbsboro Road
Marlton, NJ 08053
T. Stecki & G. Fredericks, Co-Chairs

THE WORLD OF RHODODENDRONS

This exotic display of rhododendrons and azaleas emphasizes the various types and varieties of this genus. Dwarfs through full-size plants enable the layman and rhododendron buff to learn about the "World of Rhododendrons." Members of both chapters are on hand to discuss the techniques of planting, pruning, cultivation and disease control.

AMERICAN ROCK GARDEN SOCIETY

Delaware Valley Chapter
709 Malin Road
Newtown Square, PA 19073
Missy Galloway, Chair

ROCK GARDENING IN A SMALL AREA

Enjoy this table-top replica, in miniature, of an existing rock garden suitable for a small urban or suburban

area, or as a separate area in a larger garden, which could be reproduced on level ground with local materials. Low, medium and high maintenance alternative plant lists are also shown.

PERCY BROWN NURSERY, INC.

Old River Road, R. D. 3
Birdsboro, PA 19508
Percy Brown, Chair

WOODSIDE GARDEN

A highlight of this woody scene is the seedling varieties of mountain laurel. The backdrop of azaleas, dogwood, rhododendron and laurel looks down over water in several conditions—cascading, flowing gently and in a pool with a nearby trail path. Both evergreens and flowering trees make up a remarkable variety of color and greenery in this display.

W. ATLEE BURPEE COMPANY

Fordhook Farms
Doylestown, PA 18901
Jeannette Lowe, Chair

BURPEE'S SALAD BOWL

The variety of salad items that can be grown to tempt appetites is seemingly endless. Many kinds of greens and herbs are featured here in a contemporary, semi-circular arrangement of planter boxes around a "bowl" patio. Additional salad vegetables grow in a more traditional garden area. A marigold garden adds cheerful color, also supplies petals for a gourmet touch to salads and other dishes. "Burpee's Salad Bowl" integrates planting areas and methods with a patio into a unified design displaying a wealth of salad material. Varieties are coded to show their prime season of growth and use.

CHILDHOOD FRIENDS

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Betsy Caesar, Chair

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Herbert Bieberfeld, Chair

WOODS EDGE

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continued on p. 14

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Harrisburg, Pennsylvania



Exhibitors

listed alphabetically

County Line cont'd. from p. 13

setting is no easy task. Through the use of appropriate plantings, uncomplicated construction and freeform paths, an ordinary backyard is transformed into a woodland retreat. By preserving this natural woodland, a happy blend of the old and new is created.

DELAWARE VALLEY COLLEGE OF SCIENCE AND AGRICULTURE

Route 202 & New Britain Road
Doylestown, PA 18901
John Mertz, Chair

KINDERGARDENING

Kids can have green thumbs too! Projects to delight and instruct youngsters about the wonderful world of plants are presented in a classroom setting. Hopefully our ideas will be adopted as classroom learning experiences and open the door to a life-long curiosity about plants.

DELAWARE VALLEY FERN SOCIETY

419 Lodges Lane
Elkins Park, PA 19117
Henrietta Adkins, Chair

ALL IN THE FAMILY—Boston Ferns

Fitting into the Flower Show theme of a turn-of-the-century canal town, here is a Bostonian family of ferns in a family setting. The side of a house has a Boston rocker, hanging baskets of Boston ferns, wicker basket of Boston ferns and window box of Boston ferns. Yard landscaping consists of boulders and Boston ferns. This well-integrated exhibit truly keeps things "All In The Family"!

ERDENHEIM FARM

Lafayette Hill, PA 19444
William Weber Jr. Chair

SPRING BANK

Spring Bank is a rock country setting that displays a weathered colonial springhouse in the side of a bank that is overgrown with summer flowers and cascading trees.

FAIRMOUNT PARK

Belmont Office
West River Drive
Philadelphia, PA 19131
William E. Mifflin, Chair

SPRING MEADOW

This meadow illustrates plants and land forms that are found in various areas of Fairmount Park. Open grassland, woodland and wetland contrast with the formal areas of the Park. The plantings are naturalistic, some wild, some cultivated. This mosaic provides a

GALE NURSERIES

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subtly aesthetic and ecological habitat, a habitat that acts as a refuge for both wild life and city dwellers.

FLORISTS TRANSWORLD DELIVERY ASSOCIATION

Staged by: Leroy's Flowers
16 North York Road
Hatboro, PA 19041
Leroy LaBold, Chair

RURAL AMERICAN NICHES

Using a series of niches, the Florists Transworld Delivery Association shows a variety of flower arrangements, each one representing a different portion of rural America. Florists throughout the Delaware Valley participate in this colorful exhibit.

FOXCATCHER ORCHIDS

P. O. Box 373
Newtown Square, PA 19073
Van Ewert, Chair

ORCHID SOLARIUM

This orchid solarium, powered by a passive solar heating system, demonstrates that a greenhouse-type structure, properly designed and using passive solar heat, can be a useful and totally practical addition to any home. Use of low maintenance materials for the physical portions allows the home-owner maximum enjoyment with minimum time spent in the upkeep of the solarium. A small fountain and drip waterfall add to the peaceful effect created in this tropical plant environment. A dry river flows through the solarium, the river created out of bonded aggregate to give the appearance of being wet. Many different types of orchids beautify and complete the display.

FRIENDS HOSPITAL

Roosevelt Boulevard & Adams Avenue
Philadelphia, PA 19124
Mona Dwork, Chair

HELPFUL HERBS

From the illustrations by charts, plants and craft projects, the visitor can see how herbs and spices can be used in a horticultural therapy program. Wild ginger and sassafras root, raspberry and strawberry leaf teas are only a few of the many unusual, natural items used in this display.

GALE NURSERIES

School House Road, Box 264
Gwynedd, PA 19436
Charles H. Gale, Chair

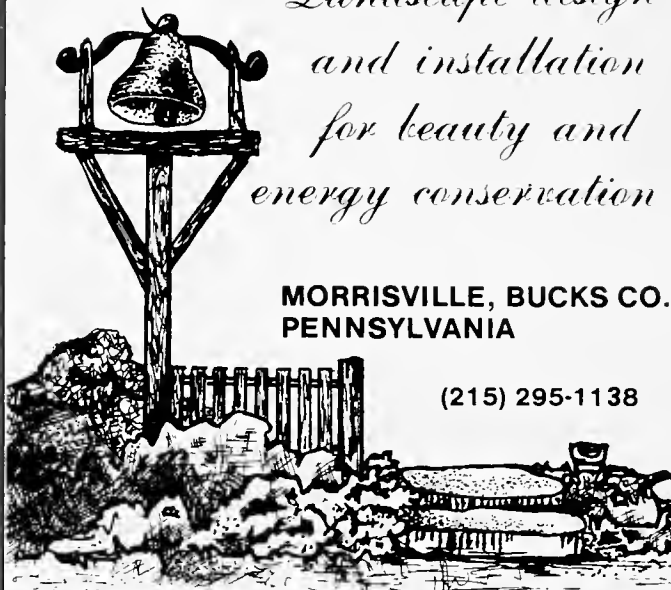
MEMORIES

This step back in time takes us to the turn of the century, when holiday entertainment was truly and

continued on p. 19

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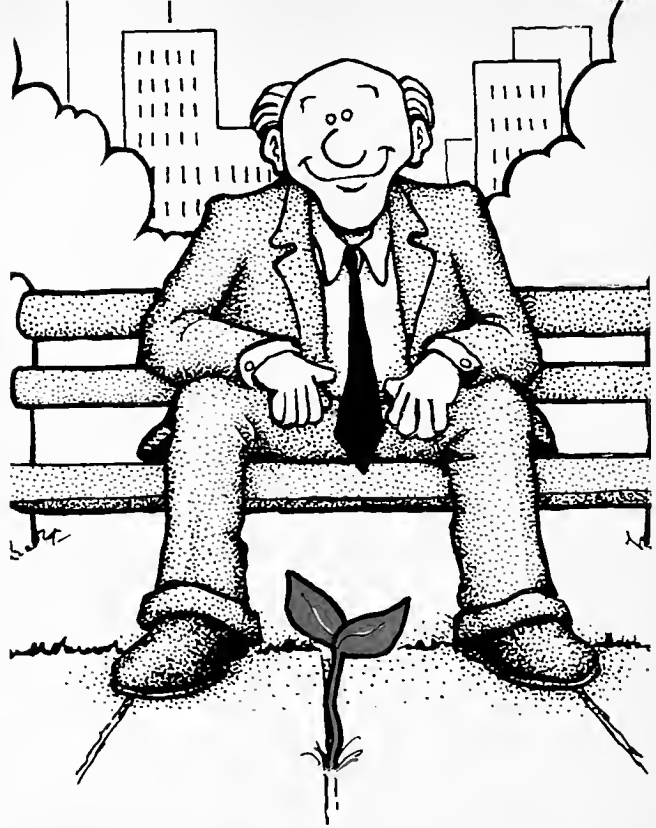
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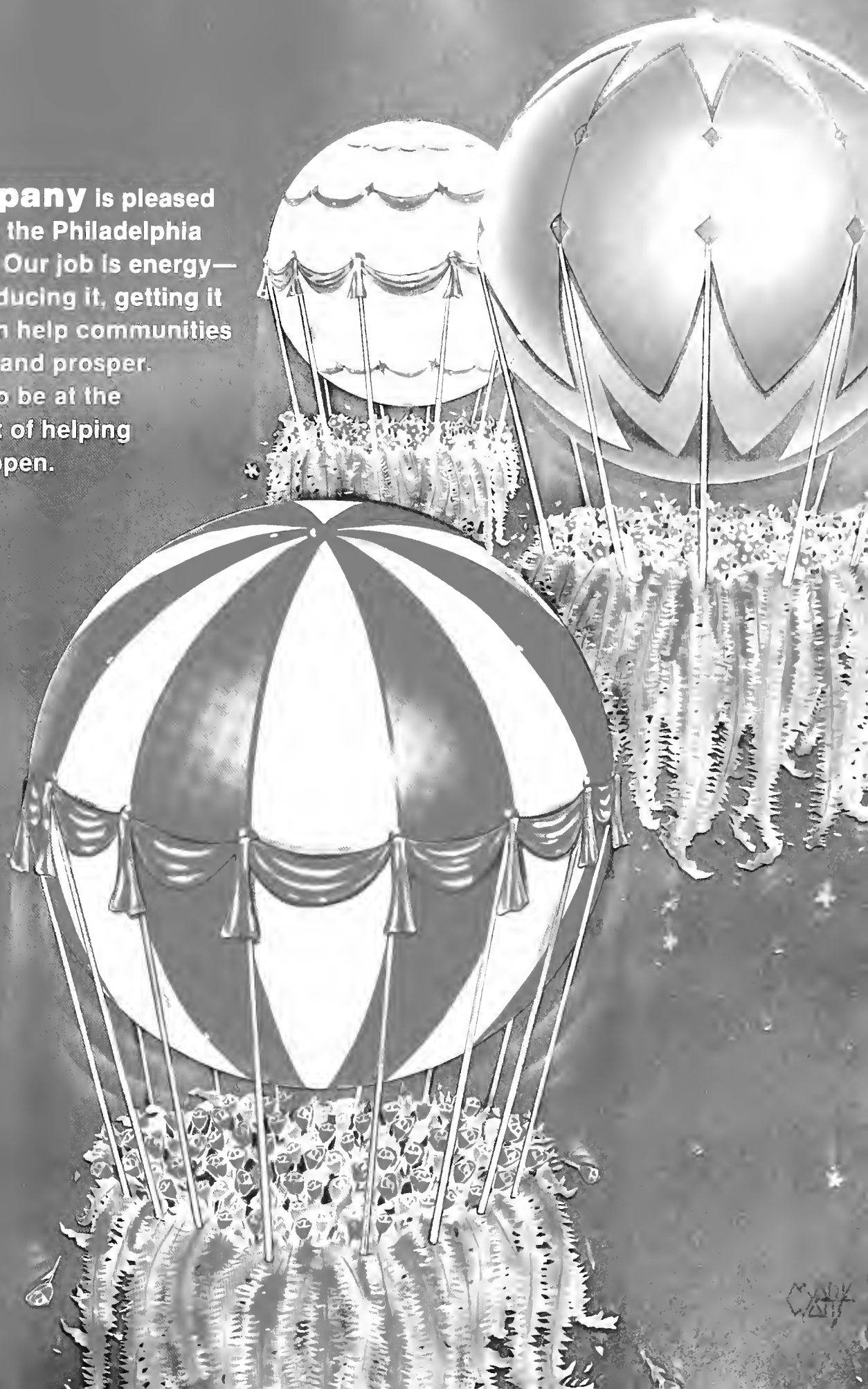
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Exhibitors

listed alphabetically

Gale Nurseries cont'd. from p. 15

lavishly enjoyed. The old Pennsylvania canal town was proud to offer an attractive bandstand, surrounded by colorful gardens and trees. Its presentations of marching bands and string ensembles became cherished memories for bygone listeners.

GREATER PHILADELPHIA ORCHID SOCIETY

888 Welsh Road
Maple Glen, PA 19002
Mal Decker, Chair

ORCHIDS

A display of the variety of orchids grown by members of the society showing the various forms, colors and sizes available to orchid enthusiast, be they professional or amateur.

PETER HELLBERG CO.

332 North Main Street
Chalfont, PA 18914
Herman Hellberg, Chair
Staged by: Mike and Kim Walton
The Depot Greenery
Telford, PA 18969

THE AMERICAN-GROWN CARNATION

This small greenhouse connected to a retail shop shelters an exhibit showing the great versatility of the American-grown carnation. Various settings accentuate the wide range of color and beauty of this most popular flower.

IKEBANA INTERNATIONAL-PHILADELPHIA CHAPTER

320 Harding Avenue
Milmont Park, PA 19003
Bernice Makin, Chair

THE BEAUTY OF NATURE THROUGH IKEBANA

Translated, Ikebana means living flowers. The Japanese call flower arranging Ikebana. Before you are examples of this fine and delicate art. In this sense the term flower refers to not only the blossom, but all parts of the plant.

INTERGREEN, INC.

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Philadelphia, PA 19140
Howard Roberts, Chair

INTERIOR LANDSCAPE IDEAS

The use of plants in business, institutional, hotel and retail locations is ever increasing and the Philadelphia Flower Show is the perfect showcase for interior landscape design ideas. A commercial setting, as much as any other, is enhanced by the integration of greenery and flowers into the overall design.

continued on p. 24

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Jane G. Pepper, PHS Executive Director, confers with Robert W. Preucel, Flower Show Chair, and Kaysi Miller, Publicity Director.



Mary Hyndman, Louise Harrity and Katharine King.

People Behind Those Green Scenes

A "Peppery" Production

There are over 1,500 volunteers, PHS staff members and exhibitors who form the cast of thousands that make each Show such a huge success . . . the extra effort of each participating garden club, our major exhibitors and the coordinated teamwork are all vital to the final production.

Leading this year's effort is **Jane G. Pepper**, the new Executive Director of the Pennsylvania Horticultural Society and the Philadelphia Flower Show.

Jane arrived from Scotland 13 years ago, never intending to stay in the United States. About the same time she settled and married here she started nurturing an interest in her home garden into a professional career. All Jane's horticultural training has been in America, first at the Ambler Campus, Temple University, and then at the University of Delaware where she studied the management of horticultural institutions through the Longwood Program of graduate

studies. Her first job in the horticultural field was Secretary to the Campus Arboretum Association of Haverford College. For a couple of years she has authored a weekly horticultural column in the *Main Line Times* and *News of Delaware County*.

Jane's first involvement with the Show was as a volunteer when she helped Ed Lindemann in the Hortcourt and served on the Show's passing committee. In 1979 she joined the PHS staff as Public Information Coordinator and became Manager of the Flower Show in April 1980.

As Flower Show Executive Director, Jane plans and manages the Show budget, oversees the trade exhibitors, the advertising, ticket sales, parking and other visitor services. Working with contractors and exhibitors throughout the year, she guarantees a smooth day-to-day operation at the Show.

Vital Volunteers

A small staff assists Jane but a majority of the Flower Show's energy comes from the countless numbers of hard working volunteers who participate each year. These unsung heroes provide the enthusiasm, talent and the willing spirit that produces each year's Show. Directing many of the volunteers are **Mary Hyndman** and **Louise Harrity**, Chair and Vice-Chair of the 1981 Competitive Classes.

Chairing the Competitive Classes requires thousands of hours a year of diplomacy, physical stamina and administrative foresight. One year such a volunteer clocked 60 miles on her pedometer as she walked through the Civic Center during set-up. Mary and Louise work closely with the chair of each class, arranging workshops before the Show, ensuring a full complement of entries, and staging the exhibits.



Edward L. Lindemann, Flower Show Designer



Carol Sclafani, Flower Show Floor Manager

Directing the Design

As Flower Show Designer, **Ed Lindemann** is the mastermind behind the Show's floor plan. Eighteen months before this year's Show Lindemann was meeting with the Flower Show Executive Committee to set a theme, recruiting major exhibitors and designing the layout for the 4.5 acre production. Smooth traffic flow is his highest concern when designing the floor plan. He attempts to ease long lines and crowded aisles while offering visitors a chance to examine the intricate details of each exhibit.

It takes two working days to convert his detailed sketch into a life-size chalk drawing covering over 175,000 square feet of floor space. These chalk lines guide nurserymen and volunteers as they assemble their exhibits and transform the bleak, empty hall into a mountain of blooming bulbs, babbling brooks and other splendor.

Before joining PHS, Lindemann

earned a bachelor of science in ornamental horticulture at Delaware Valley College of Science and Agriculture and worked as a landscape designer.

Ed works year round on the Show coordinating the plans and requirements of the landscape exhibitors and competitive classes. He is also the PHS Horticulturist answering horticultural questions. He supervises the planning and maintenance of the Society's 18th-Century Garden, greenhouse, and the ground floor exhibits. A lecturer, graphic designer and writer, he also conducts a "Child's Garden" segment on Captain Noah's Channel 6 (WPVI) TV show.

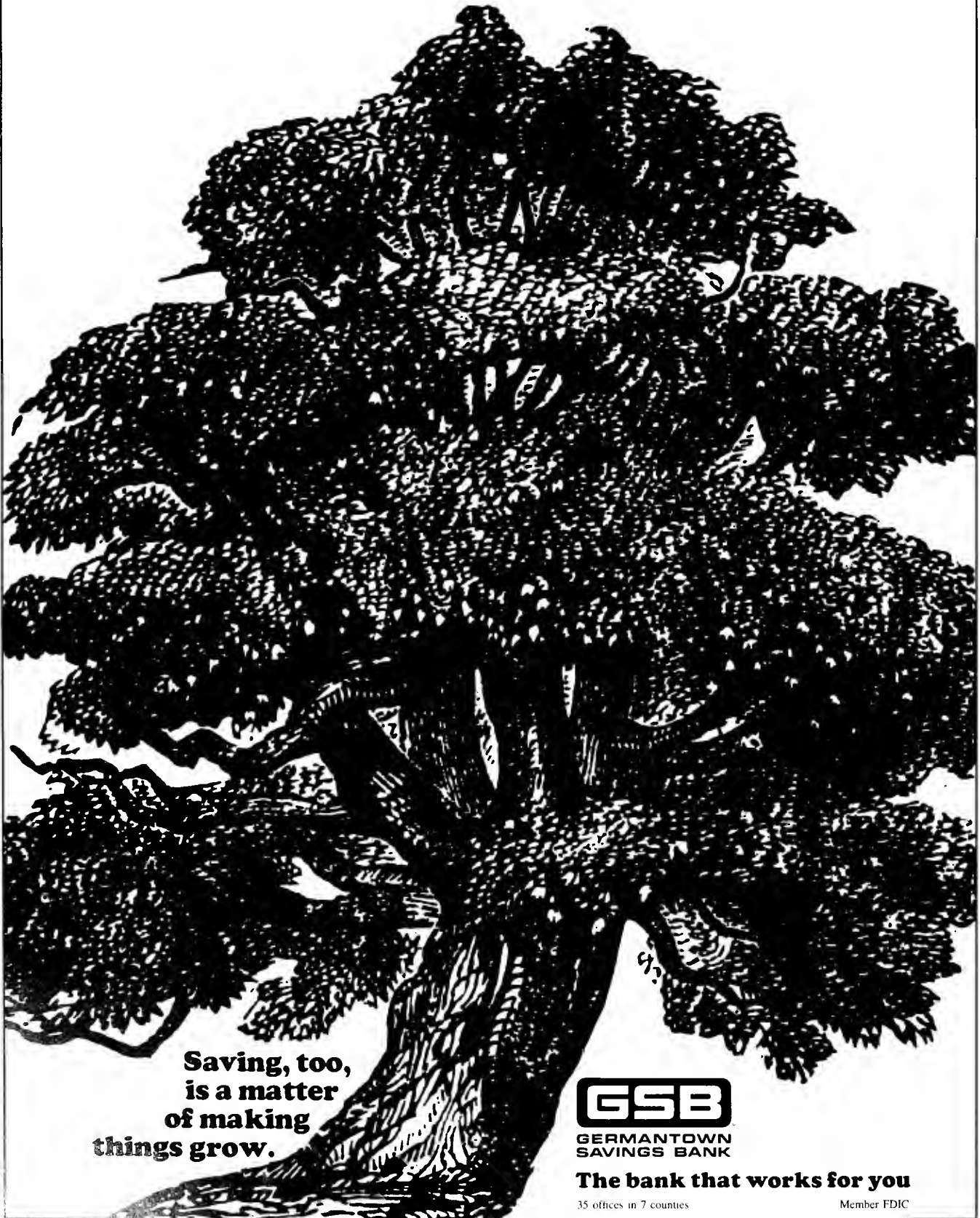
During the week-long Flower Show he is concerned with everything from a shipment that arrives 1,000 daffodils short to an occasional wilted tree.

Managing the Maintenance

Carol Sclafani has served as the Floor Manager at the Flower

the Floor Manager at the Flower Show for the last two years. Getting the staging props in and out of the Civic Center is her task. During the Show, she and a crew of 20 students from Saul High School do the general maintenance so essential to providing an orderly, immaculate Show. Carol loves to work with these enthusiastic students at the Flower Show. The crew's chores are endless and ever-changing making their job an exciting challenge.

Carol has a bachelor's degree in plant science from the University of Delaware. During the rest of the year she works with Philadelphia Green, the community gardening program of the Pennsylvania Horticultural Society and with their new garden preservation program. She also runs the Junior Flower Show, is Floor Manager for the Society's fall Harvest Show, and provides indoor gardening education for teachers in the Philadelphia School system. ■



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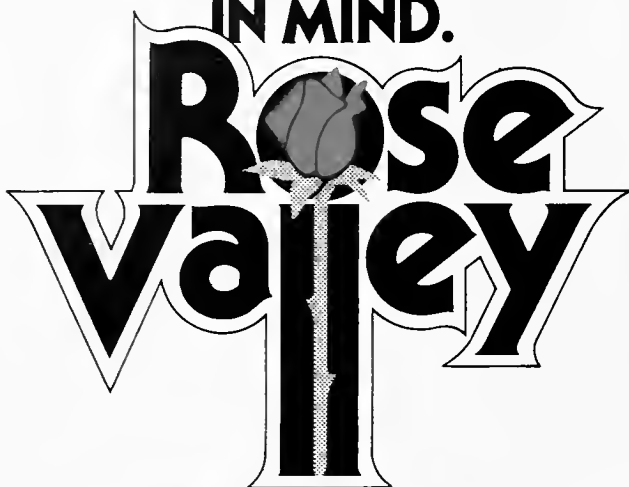
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Exhibitors

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cont'd. from p. 19

JUDD'S HOLLYLAN NURSERIES

516 East Holly Avenue
Pitman, NJ 08071
William Judd, Chair

THE OLD COUNTRY CHURCHYARD

A long forgotten area in the Pine Barrens retains memories of several lifetimes amidst the ruins of a burned-out church and neglected graveyard. This churchyard, though forsaken by man, shows that nature can transform a cemetery into a picture of beauty and serenity.

LILYPONS GARDENS

Lilypons, MD 21717
Keith Folsom, Chair
In cooperation with the Pennsylvania Horticultural Society

GARDEN POOLS

Water lilies take center stage here in their aesthetically-balanced setting. The pastel shades of the water lilies are eye-catching, yet visually quiet enough not to detract from the peacefulness that the water lends to the landscape.

LINCOLN HIGH SCHOOL

Rowland and Ryan Avenues
Philadelphia, PA 19136
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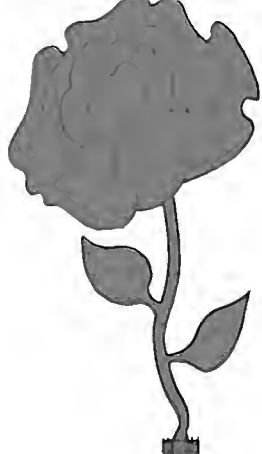
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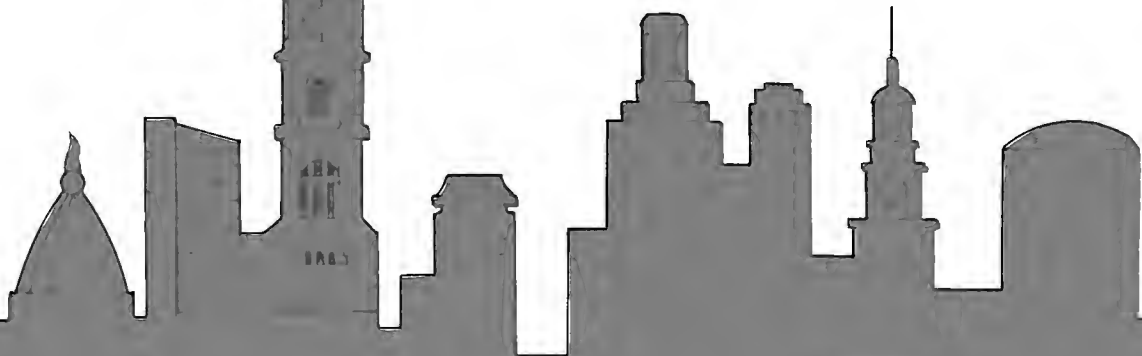
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continued on p. 37



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1. Community Container Garden Project
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Gardens in Competition

Two separate garden classes are offered in this year's Show. In Class 151 "A Thing of Beauty" there are six garden clubs competing with their own interpretation of a section of a colorful garden. All have been provided with a background of tall evergreens. Participants in Class 152, The Challenge Garden have been asked to design a colorful garden for a townhouse. The gardens

are to be enjoyed from both the outside and inside. Garden clubs in class 152 have all been provided with the same materials, an equal number of bricks, the same assortment of plants and the same volume of sod and mulch. Their challenge is to come up with an attractive, imaginative and functional design.



1980 Garden Competition: First Place: Rose Tree Gardeners

- CLASS 151 "A THING OF BEAUTY ..."**
Four Counties Garden Club
Mrs. A. M. Peterson, Chair
Mrs. Hubert R. Peck, Jr., Vice-Chair
- The Garden Workers
Mrs. Paul C. A. Heintz, Chair
Mrs. Francis R. Strawbridge, 3rd, Vice-Chair
- The Gardeners
Mrs. Walter T. Long, Chair
Mrs. Howard York, Vice-Chair
- Maple Glen Garden Club
Mrs. James H. Hopkins, Chair
Mrs. Robert Murray, Co-Chair
- Seed and Weed Garden Club
Mrs. Howard C. McCall, Chair
Mrs. Howard Steel, Co-Chair
Mrs. Kirkley R. Williams, Co-Chair
Mrs. William H. Lord, Co-Chair
- The Weeders
Mrs. Edmund Thayer, Jr., Coordinator



1980 Challenge Garden: First Place: Stoney Brook Garden Club

- CLASS 152 GARDEN CHALLENGE CLASS**
Garden Club of Trenton
Mrs. W. P. Newbold, Chair
- Mill Creek Valley Garden Club
Mrs. C. F. West, Jr., Chair
- Powelton Pruners
Harriet Gosnell, Co-Chair
Jean Byall, Co-Chair
- Valley Garden Club
Mrs. F. G. Brown, Chair

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Room Sections in Competition

- CLASS 131 GREETING A GUEST
 Four Lanes End Garden Club
 Mrs. Robert Pfeilsticker, Chair
 Mrs. Lawrence A. Monroe, Vice-Chair
- The Garden Club of Philadelphia
 Mrs. George Nichols, Chair
- The Garden Club of Wilmington
 Mrs. Alexander Roe, Chair
 Mrs. Charles P. Schutt, Vice-Chair
- The Gardeners
 Mrs. H. Fairfax Leary, Chair
 Mrs. Nicholas Biddle, Jr., Vice-Chair
- Greene Countrie Garden Club
 Mrs. Peter Funke, Chair
 Mrs. Harvey Bartle, Vice-Chair
- Huntingdon Valley Garden Club
 Mrs. Angus Brenner, Chair
- Providence Garden Club
 Mrs. George S. Thorbahn, Chair
 Mrs. Thomas F. Pessel, Vice-Chair
- Random Garden Club
 Mrs. James Hovey, Chair
 Mrs. Charles Landreth, Vice-Chair



1980 Room: First Place: Bala-Cynwyd Garden Club

Table Settings in Competition

- CLASS 132 WHEN YOU ARE ENTERTAINING
- The Evergreens
 Mrs. Stewart McCracken, Chair
 Mrs. J. Bartow McCall, Vice-Chair
- The Garden Workers
 Mrs. Frederick C. Haab, Chair
 Mrs. Wilfred Coleman, Vice-Chair
- The Greenhouse Garden Club
 Mrs. John Chapin, 3rd, Chair
 Mrs. W. S. Post, 3rd, Vice-Chair
- Moorestown Garden Club
 Mrs. Russell N. Fairbanks, Chair
 Mrs. K. T. Haupt, Vice-Chair
- Norristown Garden Club
 Mrs. Gerald Corso, Chair
 Mrs. Joseph Lynch, Vice-Chair
- Outdoor Gardeners
 Mrs. Leonard Mollencof, Chair
 Mrs. William Feeley, Vice-Chair
- Rose Tree Gardeners
 Mrs. William R. Bates, Chair
 Mrs. J. Robert Twombly, Vice-Chair



1980 Table: Second Place: The Garden Club of Philadelphia

- Suburban Garden Club
 Mrs. Eldred Mundth, Chair
 Mrs. Nelson Dewey, Vice-Chair



Designs for Pressed Plants

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Class 142 Depict One Letter of the Alphabet

Class 143 Folklore or Fantasy

Class 144 An Old Fashioned Garden



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Second Place: Jeanne V. Griffith



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Greeting Card: First Place: Theresa Phillips

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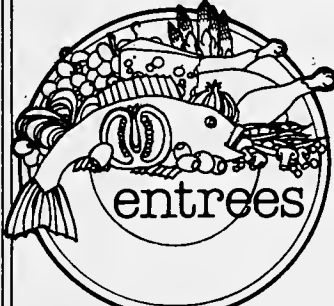
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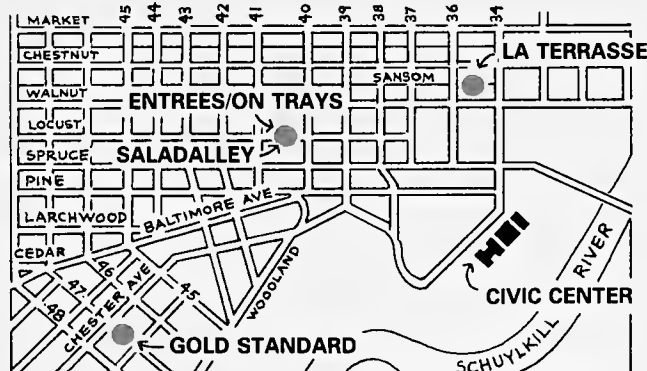
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Fasolada (Greek Bean)	Spanish Fish with Orange
Gazpacho	Turkish Barley Yogurt
Harira (Moroccan Chicken)	Ukrainian Borscht
Italian Spinach and Cheese	Vietnamese Chicken Noodle
Jamaican Black Bean	Watercress and Potato
Korean Clam and Noodle	X-reted Aphrodisiac
Lemon Beef	Yogurt Cucumber
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Niches in Competition

"A unique combination of materials along with good design is what will win you a blue ribbon," states Barbara Cramer, Chair of this year's Flower Show Niche Classes and twice a blue ribbon winner in last year's Show. The large variety of materials—from plastic and steel to coal and gladiolus—increases possibilities for niche builders, "though I prefer natural materials myself. And one needn't use lots of flowers," Cramer says. "I suppose I'm a bit of a rebel in these respects."

Mrs. Cramer emphasizes that whatever materials are used, the principles of design—proportion, balance, rhythm, dominance, scale and contrast—should guide their arrangement. "A dash of the unexpected also helps," she observes. "A winning niche is one with a totally fresh approach to things."

After size, choice of *line* is the first consideration in building a niche, followed by container, accessories, color (the simpler and fewer flowers the better), background (contrasting yet neutral) and finally—

usually while setting up at the Show—dramatic lighting. Part of the adventure of building a niche lies in pulling it together at the last minute.

What distinguishes niches from other floral creations is that they are three-dimensional works which are intended to be viewed from one side only. "It's rather like a stage setting on which the drama of the arrangement is played out. It should give a boom to the judges."

Mrs. Cramer belongs to Providence Garden Club, a member of the Garden Club of America.

If you wish to receive an Exhibitor's Guide and Schedule to compete in next year's Show, fill in the coupon on page 7 or call the Pennsylvania Horticultural Society at (215) 625-8250 and it will be mailed to you in the fall. You can also become a PHS member and attend flower arranging symposiums in advance of the Show.



1980 Niches: First Place: "Quote Unquote, An Interpretation"
Barbara Cramer







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listed alphabetically
cont'd. from p. 24

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Jeffrey R. Clark, Chair

THE ECOLOGY OF POLLINATION

The dependence of flowering plants on living and non-living elements of their environment to achieve pollination is considerable. Background information on basic flower structure and the reproductive function is presented. The co-evolution of plants and their animal pollinators is only one of several varieties of pollination strategies possible. Manipulation of those strategies by human beings is a further element in this exhibit.

PENNSYLVANIA BONSAI SOCIETY

PO Box 112
120 Pine Tree Road
Radnor, PA 19087
Ralph Walker & Frederic S. Ballard, Co-Chairs

BONSAI

Within the planting that frames this year's bonsai exhibit are a series of niches. In each is an outstanding bonsai grown in the Delaware Valley. The major bonsai are accompanied by accessory herbaceous plantings, viewing stones, scrolls and works of art. Each bonsai and accessory is staged on a finely made wooden or bamboo stand.

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EARLY PENNSYLVANIA LOG RAFTING

The many uses for the logs with which early Pennsylvania rafts were made are illustrated in this display of Pennsylvania flora, fauna and a scale model log raft. The hillside background is covered with white pine, hemlock and oaks. Log rafting was common on many Pennsylvania rivers, but was particularly prevalent on the Susquehanna.

continued on p. 42

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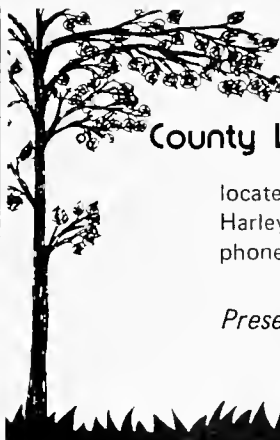
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Bonsai in the House

by Ernesta and Fred Ballard

For more than twenty years we have lived with plants. We share our bedroom with a 6-foot areca palm; our living room with a gardenia, two figs, another large palm and a number of smaller species; our hall with a 6-foot fig, a 5-foot schefflera, more palms, a podocarpus, a climbing fern, a tree fern, a Chinese-evergreen, an ancient aspidistra, and assorted others; our dining room with a medinilla, a weeping podocarpus, still another large palm, an araucaria tree, and again a

miscellany of smaller plants, often changed to suit the season.

There are plants in the study, kitchen, cellar and offices. Many of them have lived with us for ten or fifteen years. So when we speak of indoor bonsai we mean bonsai living in spaces where people can live comfortably twenty-four hours a day. We exclude all special environments such as glass-roofed sunporches, recessed windows with interior glass and window greenhouses.

As far as horticultural literature is concerned, there is no such topic as indoor bonsai. Those who want to grow dwarf potted trees indoors year-round have to read standard bonsai texts for aesthetics and training techniques and indoor gardening texts for horticultural information and practice. Even after this preparation there is much trial and error, with the results dependent on the particular conditions in which the plants must live in the house.

Climate Differences

The reason why there is no comprehensive treatise on indoor bonsai is that the word "indoors" covers a vast range of conditions—from an unheated bungalow in southern Florida to a 70° apartment in Boston. At the southern end of this range it is possible to grow a tremendous variety of plants indoors. At the northern end the indoor conditions are tolerable for relatively few species. When friends tell you what they grow in their houses, don't assume that you can do the same unless there are comparable conditions for the vital factors of plant growth—light, temperature (especially the low temperature at night) and atmospheric humidity.

When a bonsai fancier follows his natural instincts by collecting a specimen in the wild, putting it in a pot and bringing it into his house, he is, for practical purposes, moving



Fig 1. Jade plant (*Crassula argentea*).

E. B. Gilchrist, Jr.

it from one climate to another. The same is true when he buys a plant grown in a sunny greenhouse and settles it on his windowsill. Indeed, any plant indoors has been moved to an unnatural climate.

The effect that such a change in climate will have on a plant is roughly proportional to the difference between its native habitat and the artificial environment to which it has been transported. Since the climate indoors generally resembles the tropics and subtropics, at least as to temperature, plants from these regions will usually perform better in the house than natives of the northern temperate zone.

However, when it comes to predictions for individual species, there are no guidelines but experience. You cannot determine in advance whether the charming shrub seen growing in the Everglades can be acclimated to a New England dwelling, although it is a reasonably good bet that if the plant does not appear in any of the more complete texts on house plants, it has been tested and found wanting.

The reasons why some species survive moving into the house better than others are interesting. If you want to learn more about them, visit a good horticultural library and consult *Plant Geography Upon a Physiological Basis* by A. F. W. Schimper, published in 1903. It is still the best statement of why a five-needle pine or a trident maple from the cool-temperate areas of the world won't grow successfully on a windowsill. Dr. Schimper tells us that the life of a plant is made up of thousands of separate actions, each performed within its own range of temperatures, and that the critical temperatures for different functions differ by only a degree or



Fig. 2. *Araucaria bidwillii*.

so in "equable climates," but by many degrees in colder regions. This explains in a general way why tropical plants can be grown at uniformly high temperatures, while plants of the North, where there are sharp temperature differences between summer and winter and even between day and night, need alternate highs and lows, with the lows often below freezing. It also explains why the low temperature is critical in indoor gardening.

Plants to Grow

What does this mean in practice? For long-term success with bonsai in the house you cannot use the traditional favorites of the Japanese, such as the pines, maples, spruces and beeches, that are native to the colder reaches. Choose a plant that will grow indoors, whether or not that plant appears in the Japanese bonsai texts. For example, one of the toughest of all house plants, capable of enduring high heat, low humidity and poor illumination, is the jade plant (*Crassula argentea*). For growing in the house, it can scarcely be beaten, but can you make a bonsai out of it?

The answer depends on your concept of bonsai. If all that will

satisfy you are faithful reproductions of the plants displayed at bonsai exhibitions in Japan, you will not take kindly to a jade plant. But, on the other hand, if your idea of bonsai encompasses any woody plant trained to a decorative shape and planted in a complementary container, you may find that the jade plant has much to offer. Figure 1 shows what can be done with it.

Once you have accepted the notion of a jade plant, so manifestly a native of South Africa, planted in a container so manifestly made in Japan, you are on your way to developing house plant bonsai.

Bonsai can be grown in more ornamental containers indoors than out. Figure 2 shows our Australian araucaria, *A. bidwillii*, in a blue and white porcelain pot from China. The free form shape, precarious balance, and fragile container would be out of place in a garden, but they make a striking decoration in the dining room.

It is often easier to treat tropical plants as large bonsai rather than small ones, because the leaves tend to be big and the internodal spaces long. The araucaria in figure 2 stands nearly 5 feet tall. We also have an American wonder lemon (*Citrus limon* 'Ponderosa') at least 6 feet in height and 4 feet across—too big for many houses, but very satisfactory if there is the space.

At the other end of the scale, we are just learning how to grow diminutive tropical bonsai under artificial illumination. For example, the normal distance from the base of the petiole to the end of the leaf in a schefflera (*Brassaia actinophylla*) grown indoors is about 30 inches. But we have one growing in a kitchen light unit for which the corresponding dimension is 3 inches, a tenfold reduction in scale. The trick is to grow the plant in

E. B. Gilchrist, Jr.



E. B. Gilchrist, Jr.

Fig. 3 Olive (*Olea europaea*).



Vinciguerra

Fig. 4 Pomegranate (*Punica granatum*).

a very small container no more than 6 inches below the lights, to pinch the growing tip frequently, and to cut off any leaf that exceeds the desired size. The same general treatment has succeeded with various ficus, pittosporum (*P. tobira*), finger-aralia (*Dizygotheca elegantissima*) and indoor-oak (*Nicodemia diversifolia*). We expect it will work with many other plants from mild climates.

One of the challenges of working with tropical material is to capture the feel of the trees in their native habitat, which is often quite different from the feel of temperate-zone dwellers. Figure 3 shows a specimen of *Olea europaea* in which we have tried to capture this distinctive habit of growth.

If you are set on reproducing traditional Japanese bonsai indoors, try junipers and cypresses: San Jose juniper (*Juniperus chinensis* 'San Jose') and Monterey and Arizona cypresses (*Cupressus macrocarpa*, *C. arizonica*) have done well for us. Also, if you can lower the night temperature below 65°, you may



E. B. Gilchrist, Jr.

Fig. 5. Sago-palm (*Cycas revoluta*).

have success with pomegranates, such as the specimen shown in figure 4. From the warmer regions of Japan and other parts of Asia there are plants such as the sago-palm (*Cycas revoluta*) and yew podocarpus (*P. macrophyllus*), which the Japanese grow as bonsai. These are adaptable indoors, too. Figure 5 shows an example of the former.

Since the growing conditions in the particular house are important, it may be helpful to note that in our own home the night temperatures in winter normally drop below 65°, sometimes as low as 62°. Except when the sun is on the plants, the day temperatures rarely exceed 68°. The house is noticeably cooler than most apartments, and consequently more humid, even though there is no humidifier. This enables us to grow the sometimes difficult gardenia (*G. jasminoides*). The coolness and humidity help prevent the premature dropping of flower buds, which is one of the common problems in growing this plant indoors. All the bonsai pictured in

this article have spent at least one winter in our house. Most of them spend every winter there.

Adaptation of Bonsai

Some years ago the authors collaborated on a book called *The Art of Training Plants*.* It described a wide variety of decorative plants and showed how all of them reflected to a considerable degree the philosophy and technique of bonsai. Our view today is essentially the same—bonsai principles should not be confined to the reproduction of classic styles, but should be used to create new forms in tune with contemporary American concepts of art. Particularly is this true indoors, where plants should be elegant and ornamental.

No one should undertake to shape trees and woody plants, indoors or out, without a thorough grounding in traditional bonsai. However, we hope that readers will go further and produce American styles as typical of our culture as the conventional styles are typical

of the Japanese way of living. The noted Japanese grower, Kyuzo Murata, in *PLANTS & GARDENS* (Vol. 31, No. 4), stated that the final goal of creating bonsai is to create a feeling of *Wabi* (a feeling of quiet, dignified simplicity associated with a place) or *Sabi* (a feeling of simplicity and quietness associated with something that is old and used over and over again). The feeling of *Wabi* or *Sabi*, he said, is something almost stoic which eventually leads to Zen Buddhism. We look forward to the day when American growers will find in their creations attributes that mean as much to us as *Wabi* and *Sabi* mean to Mr. Murata. This development may well begin with bonsai in the house. ■

Reprinted with permission from *Brooklyn Botanic Gardens Record* Plants and Gardens November 1976.

Ernesta D. Ballard was the President and Director of the Pennsylvania Horticultural Society 1963-1980. Fred Ballard is a practicing Philadelphia attorney.

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Exhibitors

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cont'd. from p. 37

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Milton L. Lonker, Chair

PROPAGATION

Three important aspects of the cultivation and

continued on p. 45

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THE "G" BOYS, RT. 70 & CROPWELL RD, MARLTON, N.J.





Exhibitors

listed alphabetically

Phila. Cactus & Succulent Society cont'd. from p. 42

improvement of cactus and succulents are illustrated. Propagation by seeds and cuttings, grafting techniques and appropriate soil mixes are given their due.

PHILADELPHIA ELECTRIC COMPANY

4040 Chestnut Street
Philadelphia, PA 19104
Warren E. Baumgartner, Chair

MUDDY RUN BLUEBIRD NESTING TRAIL

The Bluebird Nesting Trail at Muddy Run Park, owned and operated by Philadelphia Electric, is partially re-created here through the efforts of PECO display personnel, professional landscapers and an ecologist. Proper nesting habitats are shown and visitors are invited to take with them a variety of information and literature concerning the bluebird's struggle for survival.

PHILADELPHIA FIRE DEPARTMENT

3rd & Spring Garden Streets
Philadelphia, PA 19123
Charles A. Lewis, Chair

RESTFUL INTERLUDE

A restful interlude in a firehouse garden at the turn of the century is depicted with a blend of roses, begonias and shrubs. Roses border the fences and walk, while begonias surround a gaily decorated gazebo. The theme is also apparent from the strains of the gay nineties tunes on the player piano.

PHILADELPHIA WATER DEPARTMENT

1140 Municipal Services Building
15th & J. F. Kennedy Boulevard
Philadelphia, PA 19107
Frank Senske, Chair

PHILORGANIC

Philorganic, a bi-product of wastewater treatment, can be useful to the landscaper. In keeping with the Flower Show theme, landscaping with Philorganic is demonstrated alongside model homes on the canal. A slide show about the multi-faceted sludge utilization program of the City and literature about Philorganic are available. Water Department personnel are happy to assist with horticultural questions.

PHILLY PHLOWERS

2050 E. Orleans Street
Philadelphia, PA 19134
Tom Seiler, Chair

PHILLY PHLOWERS

Fluorescent light in an indoor greenhouse can work a minor miracle. Likewise with indoor light in living areas of your home. Here are some practical ways to make use of fluorescent and indoor light in your horticulture.

continued on p. 46



Naturalistic Landscaping Wildflowers and Ferns

LA 5-6773 Route 23 Gladwyne, Pa.

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AFRICAN VIOLETS AND GESNERIADS

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GREENHOUSES

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TODAY'S FLOWER ARRANGING WITHOUT TEARS



by Sarah C. Z. Groome

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Illustrated with four-color photographs of award-winning arrangements, this book has something for everyone, from the novice to the veteran exhibitor.

Mrs. Groome, of Chestnut Hill, Philadelphia, was awarded the Garden Club of America Medal of Merit in 1974.

Dorrance & Company, Cricket Terrace Center, Ardmore, PA 19003

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peaches, pears & prunes

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bananas, with nuts, seeds and coconut

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Exhibitors

listed alphabetically
cont'd from p. 45

GEORGE ROBERTSON AND SONS, INC.

8501 Germantown Avenue
Philadelphia, PA 19118
Bruce Robertson, Chair

18TH CENTURY INN

This historic 18th-century inn along the canal is an authentic building with terrace for dining outside. There is a summer kitchen equipped to serve outside guests, a spring house, a stream and a grass lawn. Geraniums, daisies, impatiens, vinca, ivy geraniums and other flowering plants are all over, and on the terrace are colorful flower arrangements.

ROSADE BONSAI STUDIO

303 Ely Road, RD 1
New Hope, PA 18938
F. Chase Rosade, Chair

CREATING BONSAI

The emphasis in this garden-like setting is upon the creation of bonsai. Continuous demonstrations showing how bonsai are developed from pre-trained stock as well as on the care and training of bonsai for exhibition are offered.

ROSE GARDEN

Roses donated by:
The Conard-Pyle Company
West Grove, PA 19390
Richard J. Hutton, Chair

Designed and staged by: Muehlmann's Greenhouses
Old Marple Road
Springfield, PA 19064

Theodore D. Muehlmann, Chair

A MASS OF ROSES

Enjoy this mass planting of roses—it will be a while before you get blooms on your garden plants. Look carefully at the flower colors. You may find just the variety you want to plant in your garden next summer.

ROSES, INC.

Staged by: Flowers by Bill
841 Conestoga Road
Rosemont, PA 19010
William G. Giangliulo, Chair

LOVE OF ROSES

Within a background setting of wicker and woods visitors will see different ways to enjoy roses and how they can be used in their home and their everyday life.

ROSE VALLEY NURSERIES, INC.

684 S. New Middletown Road
Media, PA 19063
Wayne R. Norton & John J. Blandy, Co-Chairs

A MODERN GLIMPSE INTO THE PAST

This Victorian pinwheel garden scene emphasizes some of the principles utilized in planting a home in the mid

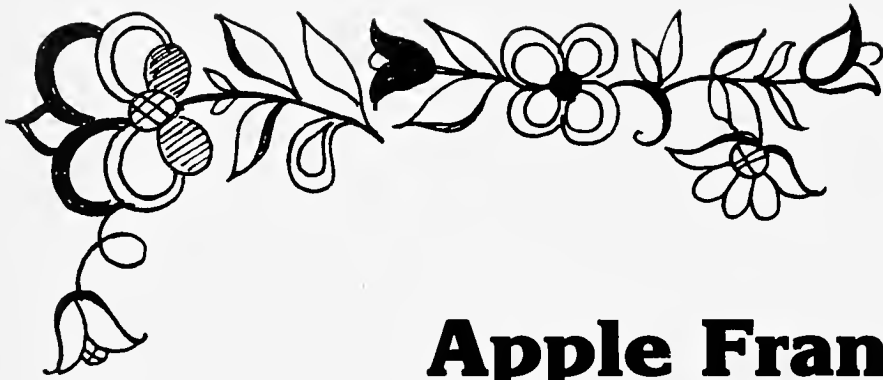
continued on p. 53



47

Turner Construction Company, Philadelphia, was responsible for the construction of the above buildings in Radnor, Pennsylvania. The buildings were built for the Sun Company and its Real Estate Subsidiary, Radnor Corporation. Clockwise from the center: Sun Company Corporate Headquarters, Two Radnor Corporate Center, Three Radnor Corporate Center and Four Radnor Corporate Center.

TURNER CONSTRUCTION COMPANY
1528 Walnut Street
Philadelphia, PA
(215) 545-2838



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Frank Wilmer
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Best Wishes for the most successful show ever.





Visitors' Information

HORTICULTURAL DEMONSTRATIONS

Pennsylvania Horticultural Society staff will be available at the **Plant Clinic** (below the escalator) throughout the Show to answer your horticultural questions. Demonstrations on gardening techniques by PHS members and staff will be held every day through Saturday, March 14 at 3:30 p.m. and 7 p.m.

Flower arranging classes presented by Allied Florists (near International Cafeteria) at 10:30 a.m., 1:00, 3:30 and 6:00 p.m. daily, and 12 noon and 3 p.m. on Sundays. They offer practical tips on "How to Use Flowers in the Home," "Keeping Flowers," "Plant Care," "Your Own Arrangements," and "How Your Professional Florists Can Serve You."

EATING FACILITIES

The Civic Center **DINING ROOM** serves full course meals, cafeteria style. It is open from 11 a.m. to 4:30 p.m. The **COCKTAIL LOUNGE**, adjacent to the dining room, is open from noon until 8 p.m. The **INTERNATIONAL CAFETERIA** is open from 11 a.m. until 8 p.m. **SNACK BARS** will be in operation, also pizza, ice cream and funnel cake stands.

WHEELCHAIRS AND STROLLERS

Wheelchairs and strollers are available at the entrance level of the show. They may be rented for \$4.00 each. It is difficult to reserve wheelchairs and guarantee them,

so it is best for people who need them to come in the late afternoon and evening.

BEST TIME TO COME

The best time to see the show is in the late afternoon or early evening because that is when it is least crowded.

ADVANCE GROUP TICKET SALES

Next year save time, money and effort by ordering advance sale tickets. Sign up for the PHS mailing list for advance group tickets for the 1982 Show by calling PHS at 215-625-8250, or writing: Advance Group Sales, Pennsylvania Horticultural Society, 325 Walnut Street, Philadelphia, PA 19106. You can order a minimum of 10 adult tickets for a reduced per ticket price and have them mailed directly to you next year.

PHS MEMBERSHIP BOOTH

Stop here for Show information and names of local restaurants to nourish you on your way home. Membership information and unique items on sale. If you become a PHS member while visiting the Show, you will enjoy a reduced rate of \$12.00 for individuals, \$18.00 for families.

VISIT TRADE BOOTH EXHIBITORS

A variety of 80 exhibits offer orchids to sausage, fencing to flowers, cheeses to cacti, herbs and hollies and aquatic plants. Kodak film is available at Booth 26A.



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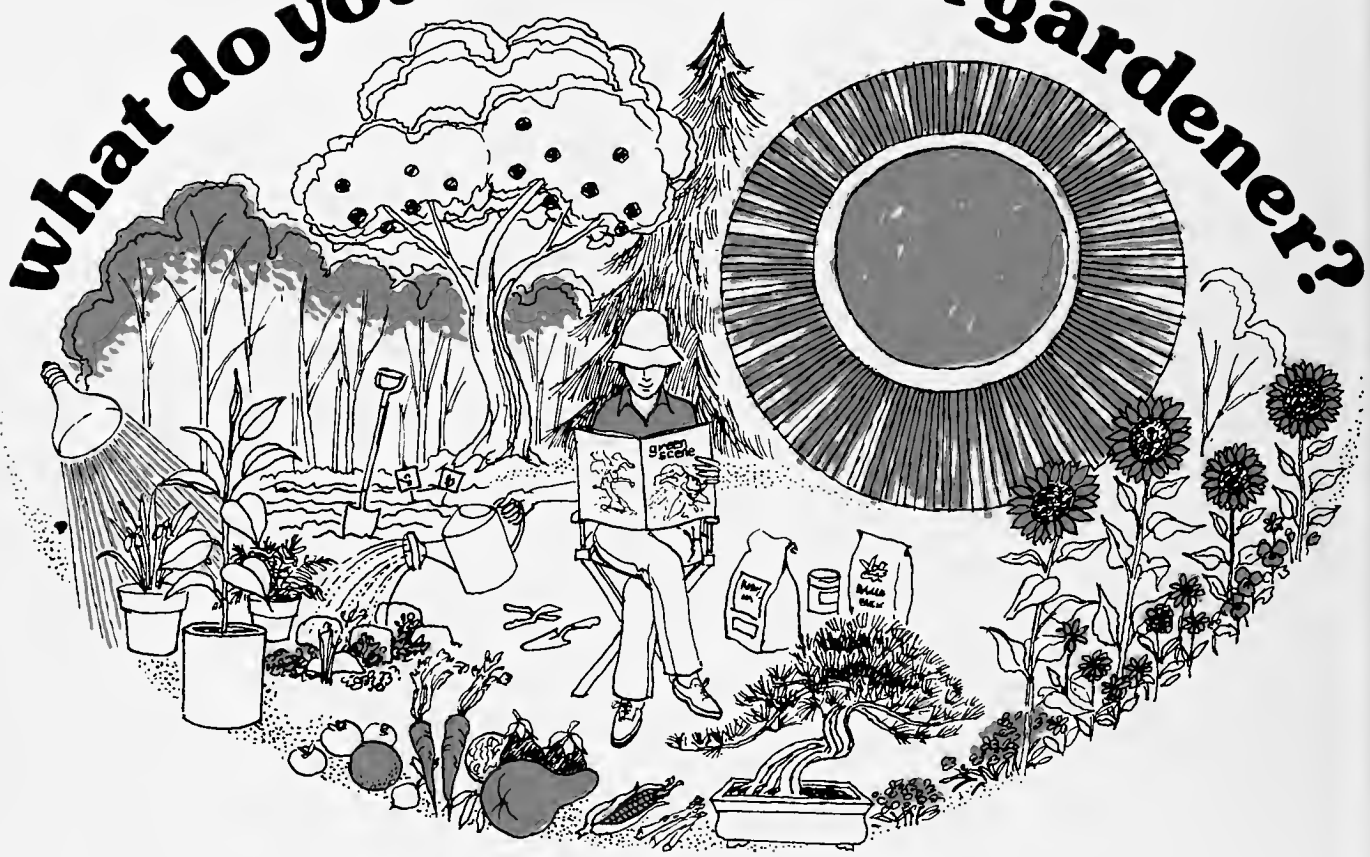
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We publish stories about indoor and outdoor plants large plants and small and what happens in gardens in the summer, fall, winter, spring.

Green Scene is published six times a year, in rich color. If you are a member of the Pennsylvania Horticultural Society, it's free (see page 16) individual subscriptions \$7.50. It's a nice gift for a gardening friend.

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325 Walnut Street, Philadelphia Pa. 19106

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Exhibitors

listed alphabetically

Rose Valley cont'd. from p. 46

to late 18th century using plants that are respectively both rare and available today. This is a dramatic illustration of what an outlying display bed can do for a home, rather than emphasizing foundation plantings with annuals and perennials crammed into available space. This creatively designed display bed draws more people out from the inside and inspires gardeners to create outlying beds of shrubs and trees along with herbaceous beds.

RUCKER'S BRIGHTLEAF GREENHOUSES

100 Almshouse Road
Richboro, PA 18954

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W. B. SAUL HIGH SCHOOL OF AGRICULTURAL SCIENCES

7100 Henry Avenue
Philadelphia, PA 19128
A. Ronald Attarian, Pam Taylor, Co-Chairs

INTERIOR DECORATING WITH PLANTS AND CUT FLOWERS

We would like to tell the public about ways to decorate the home with plants and cut flowers. Our exhibit displays an array of plants and cut flowers that will not only accent the home with beauty, but also serve a functional purpose. We have set up a room scene showing places in the home that would best suit the cultural needs of each plant while displaying its beauty.

SCHULMERICH CARILLONS, INC.

Carillon Hill
Sellersville, PA 18960
Walton A. Nyce, Chair
Staged in cooperation with the Pennsylvania Horticultural Society

THE BELL TOWER GARDEN

An old-fashioned Tudor style bell tower houses the tuneful carillons. The surrounding garden and window boxes provide a colorful splash. The carillons will mark the hour and play short concerts every 15 minutes. The combination is a sight and sound spectacular.

SNIPES FARM AND NURSERY

U.S. Route 1
Morrisville, PA 19607
Inge Snipes, Chair

FARM AND ANTIQUE SHOP

A Victorian village house posing as a shop selling antique house and farm collectibles leads you to park in an old fashioned gravel driveway. Stone steps lead to a well-worn, well-shaded brick terrace graced by ferns, annuals and ground covers. Edged with overgrown boxwood and a picket fence, you are invited to the porch to browse among plants and antiques (including old farm machinery, house interior furnishings, rain barrel).

continued on p. 55

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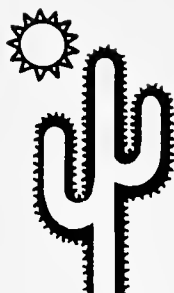
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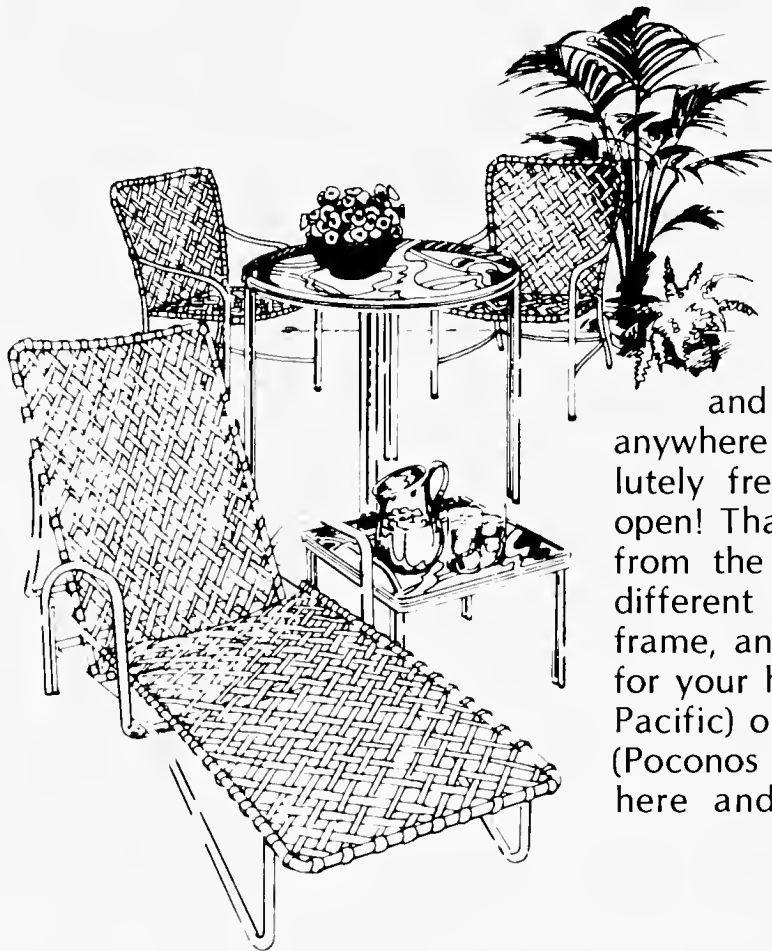


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845 Lancaster Avenue, Bryn Mawr PA • 525-7635

Visit us at Booth 68



Exhibitors

listed alphabetically
cont'd. from p. 53

SOUTHEASTERN PENNSYLVAINA ORCHID SOCIETY

4976 Pennway Street
Philadelphia, PA 19124
Leonard Lassin, Chair

SPRING FESTIVAL OF ORCHIDS

Potted orchids in an outdoor garden type spring setting including a water fountain and trellis.

J. FRANKLIN STYER NURSERIES

US Route 1, PO Box 98
Concordville, PA 19331
Roland Taylor, Chair

FAR EAST GARDEN SHOP

This Pennsylvania canal town residence has been renovated to become a landscape center specializing in plants and materials from the Far East. The sales area offers a wide variety of dwarf evergreens and trees as well as bonsai specimens and flowering plants. Gardens have been planted at the entrance to demonstrate the proper use of plants and sculpture.

SUN COMPANY

100 Matsonford Road
Radnor, PA 19087
Tilly Cammarota, Chair

WELCOME TO SPRING

Welcoming visitors to the 1981 Philadelphia Flower Show, the Sun Company exhibit features a trio of gaily colored hot air balloons sailing high above the escalators at the main entrance. The gondolas are overflowing with flowering plants. In an enchanting atmosphere, visitors descend to the main floor of the Show as if they are disembarking from a magical voyage on the balloons.

TEMPLE UNIVERSITY OF THE COMMONWEALTH SYSTEM OF HIGHER EDUCATION

Department of Horticulture & Landscape Design
Meetinghouse Road
Ambler, PA 19002
Glenn B. Geer, Chair

FROM PLAN TO PLANT

The exhibit shows the thought process necessary in designing a landscape. A site is analyzed for its inherent characteristics, measured and drawn to scale like a map. The purpose for which the site is to be used is outlined by listing appropriate structures and activities. Ideas are gathered and the space is designed through a number of sketches. The cost of the landscape is figured and then the plan is executed. The example used in the exhibit is a small sitting area located at the back of a house paved with flagstone and surrounded by abelia, hypericum and willow-leaved cotoneaster.

continued on p. 57



The new place to dine, have a banquet or wedding, meet old friends, make new friends, catch a great live show every night or dance and see Philadelphia from Horizons, our fabulous new restaurant in the sky.
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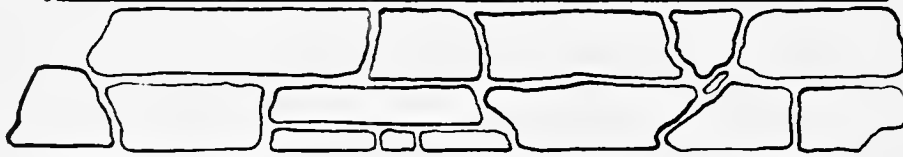
STONE

BLOCK

BRICK

CEMENT

FLAGSTONE



Chestnut Hill 7-2252

133 E. Mermaid Lane



Exhibitors

listed alphabetically
cont'd. from p. 55

VICK'S WILDGARDENS, INC.

Conshohocken State Road, Box 115
Gladwyne, PA 19035
Albert F.W. Vick, Jr., Chair

THE CAVE

Our exhibit for 1981 shows a background display of rock formations including a cave. Native trees, rhododendrons, azaleas, wild flowers, and ferns create the color and delicacy of a natural setting.

WALDOR ORCHIDS, INC.

10 East Poplar Avenue
Linwood, NJ 08221
George A. Off, Chair

ORCHID ISLAND

After being shipwrecked on an island, we find ourselves surrounded by beautiful, enchanting orchids everywhere. They are growing in the trees, amongst the ferns and on the driftwood. In amazement we wander to and fro gazing at all of the different varieties and colors. This must be *Orchid Island*.

WATERLOO GARDENS

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Exton, PA 19341
Roberts LeBoutillier, Chair

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Plymouth Meeting, PA 19462
Stanley M. Leighton, Chair

LIVING ALONG THE CANAL

The dwelling represented was originally used as a lock-tender's home. The portion of the lock shown includes spillway and tow path. Perennial plants and flowering bulbs are used to add color to a woodsy backdrop. New plant introductions have been added over the years to the existing riverside landscape.

ZOOLOGICAL SOCIETY OF PHILADELPHIA

34th Street and Girard Avenue
Philadelphia, PA 19104
Charles W. Rogers, Jr., Chair

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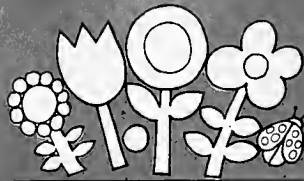
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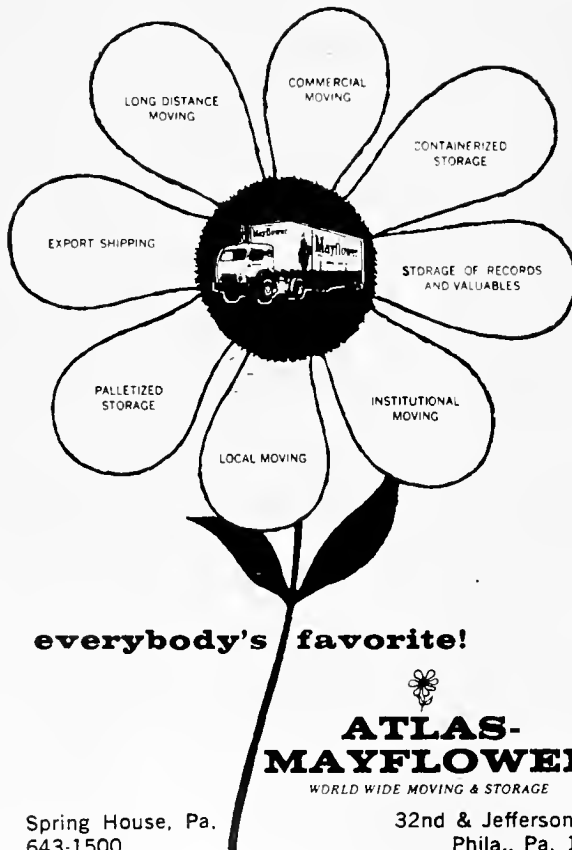
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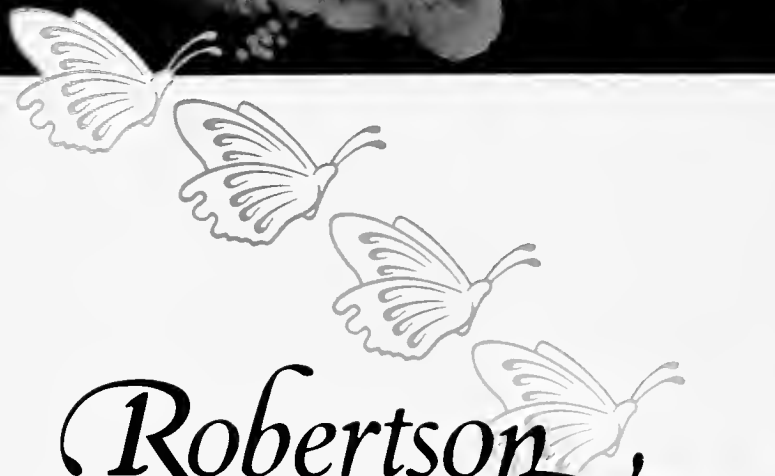
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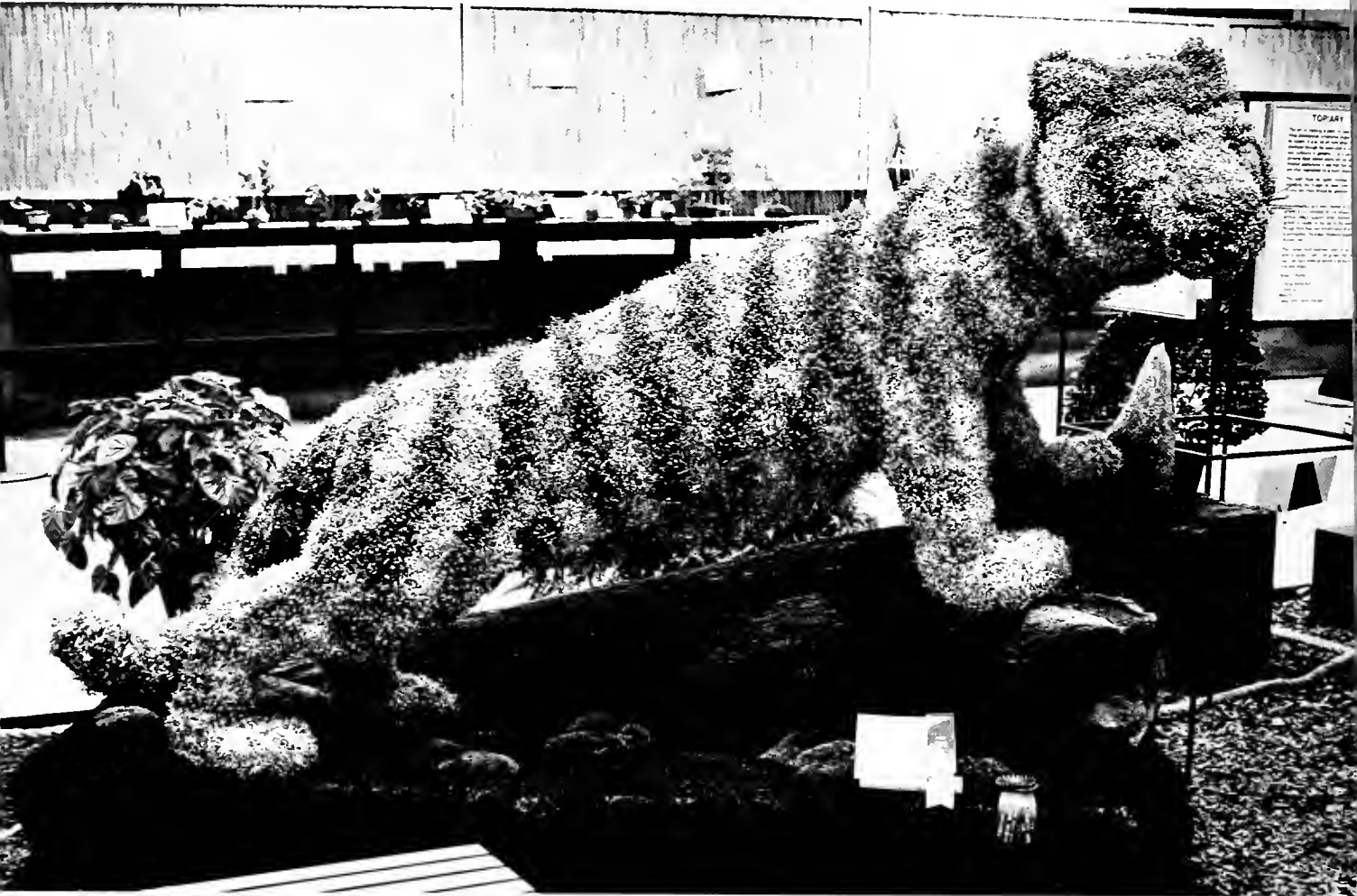
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See Page 39 for Visitors' Information:
details on Garden Cafe, food services,
and demonstrations schedule.



The Horticultural Classes



Clark Ott, of Ott's Exotic Plants, Schwenksville, created this fearsome 600-lb. topiary tiger, ironically striped with two species of baby's tears, a light and a dark for contrast. He tickled the fancy of many a visitor and won the Best of Day three times at the 1981 Show.

The keynote of the horticultural classes is diversity. Entries are as eclectic as a 600 pound topiary tiger or a delicate alpine plant in a one inch pot. An entry in the 80 or so classes, with numerous subdivisions, may range from a windowsill collection of 35 plants to a terrarium holding equally as many plants in one container, to a miniature landscape or garden with several microclimates.

The breadth and cultural level of the entries in this division contribute toward making this one of the finest plant exhibits in the country. Ranked as amateurs, the entrants are usually

intensely committed horticulturists, mostly specialists but sometimes generalists, who delight in the challenge of growing and grooming plants. They may enter 100 plants or they may enter one plant. The exhibitors are meticulous, treating their plants with as much care as they would a newborn in an incubator. One woman imported her own water to leave for her very fine, blue ribbon maidenhair and button ferns, so great was her concern that they not be affected by minerals from urban water supplies.



Every entry in the Hortcourt is checked by the "passing committee" to see if it meets Show standards.

5

Getting the plants to the show often requires arrangements as elaborate as transporting a priceless piece of art to a museum. People have devised hammocks in trucks or vans in which to lay a large plant for a journey. Plants have arrived through snowstorms (yes, in March) and concerned exhibitors have set the cars to warming long before they have swallowed the last of their early morning coffee.

When the plants arrive at the site, they are inspected by a team with the eye of a customs officer. If there is a sign of disease or insect pests, no

continued

Spring arrives in the Hortcourt when specialists enter all manner of bulbs in competition.



The Horticultural Classes

Joe and Joanne Marano give their agave a last-minute dusting with the vacuum before entering a competition.



Topiaries made with ivy, myrtle and rosemary come to the Flower Show in all shapes and sizes.



A collection of begonias won first prize in the 1981 Flower Show.

mercy is given. Out the plant goes. The grooming even after plants are passed is somewhat obsessive. Vacuum cleaners, dust cloths, pinners, pliers, clippers, and whatever ingenious devices are needed to bring plants to the peak of perfection are rolled out, borrowed, and collected.

Nomenclature for the plants is a serious business. Names are checked and rechecked months before the Show. They are checked again using the resources of taxonomists, plant societies and some very heavy books. This effort is for the visitors to the Show more than for the

exhibitors. The care behind naming plants is to intrigue and interest people so that they can find the plants they like when they leave and they can also research the cultural information to care for the plants appropriately.

The horticultural class area of the Show has its cycles of interest and trends. For awhile terrariums were the rage, later interest shifted to miniature gardens or landscapes. Lately the trend seems to be toward the fascinating topiary plants in shapes of animals, furniture or other objects. It's fun to wonder what will emerge next

to engage the taste of the exhibitors and the public.

All of the plants in the horticultural section are judged before the Show opens, again on Tuesday and finally on Friday. People may leave their plants in or they may enter new ones. They are rejudged in competition with the new entries if they are left in. Judging is an important part of the Show. Occasionally a grower may feel he or she has been misjudged. It is that subjective quality that gives the Show its passionate intensity and makes horticulturists such interesting people to know.

THE green scene

HORTICULTURE IN THE DELAWARE VALLEY



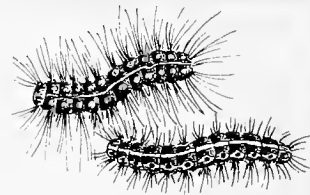
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What a garden triffid is



CAN YOU TELL

A gypsy moth caterpillar from an eastern tent caterpillar



HAVE YOU EVER GROWN

Arugula, tobacco, cotton, peanuts, okra



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Green Scene is a magazine about gardening in and around the Delaware Valley. Our writers are the professionals and the finest amateur gardeners in the area. Green Scene is considered one of the best gardening magazines around for the home gardener.

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The Garden Class

For each garden in this class a team of four to eight people worked on design going as far back as last May. And the garden designers do not feel they have enough time to do the job the way they wanted to. They designed on paper, drew up plant lists and planned accessories. Then came the test. Wherever there was a sizeable basement, the area of the planned garden was chalked off. A chair might be an azalea bush; a laundry basket a tree; a basketball a small shrub. For final set-up at the Show a team of 20 to 25 people pitched in.

The purpose of the class is to give

visitors to the Show an idea of the great variety of plants available and of the infinite ways space can be used in small gardens, even in the city. These gardens are only 18 ft. x 22 ft. and can be translated into larger spaces since they are only a segment of what is possible.

Why do garden clubs go to the trouble and expense of entering the Show. "Because," says Gainor Miller, chair of the class, "it's competitive and therefore exhilarating. It's also a team project and working together and exchanging information is satisfying and stimulating.

1982 CLASS 151 WITH A SENSE OF PRESENT PLEASURE – A GARDEN FOR TODAY

Huntingdon Valley Garden Club
Mrs. Thomas Dolan, IV, Chair
Mrs. Charles Sullivan, Vice-Chair

The Outdoor Gardeners
Mrs. Philip M. Gresh, Co-Chair
Mrs. Edward Breuninger, Co-Chair

The Planters
Mrs. S. F. Arndt, Chair

Wissahickon Garden Club
Mrs. Morgan R. Jones, Chair



1981 Garden Class: "A Thing of Beauty." First place: The Weeders



Evolution of the Flower Show –



Before and After



"I just wish that you could watch the actual process of setting up the Show from its beginning with over four and one half acres of empty space. The floor is first marked off according to the final Show plan and smilax is hung to soften the overhead structure. Trucks arrive with rocks, earth and building materials. Larger trees and background planting are placed and definition of the individual exhibits takes place. Buildings, walls and pathways are constructed. Finally come the great variety of forced blooming plants which are carefully placed to create the final effect.

It all seems to happen spontaneously but that is not so. The direction and skillful coordination come from our talented professional staff, commercial horticulturists and committee members who work together so well."

Robert W. Preucel
Chair,
Philadelphia Flower Show





The Challenge Garden Class



1981 Garden Challenge Class: A colorful garden for a townhouse. First Place: Valley Garden Club

The garden challenge class is always oversubscribed. This is the third year the class has been in the Show and each year we've limited each year's competition to four gardens.

The challenge gardens are a marvelous training ground for clubs entering the Show. The gardeners grapple with fitting a specific quantity of plants into a specified space. Each club entering this class has been given the same plants and design specifications to work with. Their results must be aesthetically pleasing and practical.

Visitors to the Show can take ideas from these gardens, which may represent some nook in their own garden.

These small gardens are often appealing because they are somewhat more readily duplicated than the larger, more sophisticated and more ambitious gardens shown elsewhere in the Show.

Each club was instructed to show the corner of a walled garden. The quarter of the circle was to have sides of a triangle measuring 20 ft. long x 6 ft. high. Identical plants and construction materials were provided to each club by the Pennsylvania Horticultural Society.

The competing clubs have not exhibited in the garden class of the Philadelphia Flower Show during the last 10 years.

1982 CLASS 152 A CORNER OF A WALLED GARDEN

Chestnut Hill Garden Club
Mrs. William H. Rorer, III, Chair

Suburban Garden Club
Mrs. John J. McElroy, III, Chair
Mrs. Thomas S. Stewart, Vice-Chair

Village Gardeners
Mrs. Richard Cryer, Chair
Mrs. Herbert J. Leimbach, Vice-Chair

Wayne Woods Garden Club
Mrs. Robert Carson, Chair
Mrs. John Edwards, Vice-Chair

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17

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**application
for membership**



Niches Classes

1. Large
2. Medium
3. Small

Sunday, March 7

1. Tomorrow. An abstract design
2. Yesterday. A dried arrangement
3. Today. A contemporary composition

Monday, March 8

1. Motion. A rhythmic design
2. Culinary Arts. An arrangement of fruits and/or vegetables. Flowers permitted.
3. Hang It All. A mobile

Tuesday, March 9

1. The Buten Museum Challenge
2. The Buten Museum Challenge
3. The Buten Museum Challenge

Wednesday, March 10

1. Weather Forecast. An interpretation
2. Line Design. A composition
3. Petites Fleurs. An arrangement

Thursday, March 11

1. Madison Avenue. An interpretation of an advertisement
2. Perfection. A mass arrangement
3. Surprise. A design in an unusual container



Travelogue. A niche arrangement – "Kyoto, Japan" – by Bobette Leidner

Friday, March 12

1. Emotion. An interpretation
2. Sporting Chance. Novice class
3. Best Seller. An interpretation of a book

Saturday, March 13

1. Winning Combination. A colorful design
2. Beauty and the Beast. A composition
3. Pewter Perfect. A design of succulents and pewter

The Miniature Arrangement Class

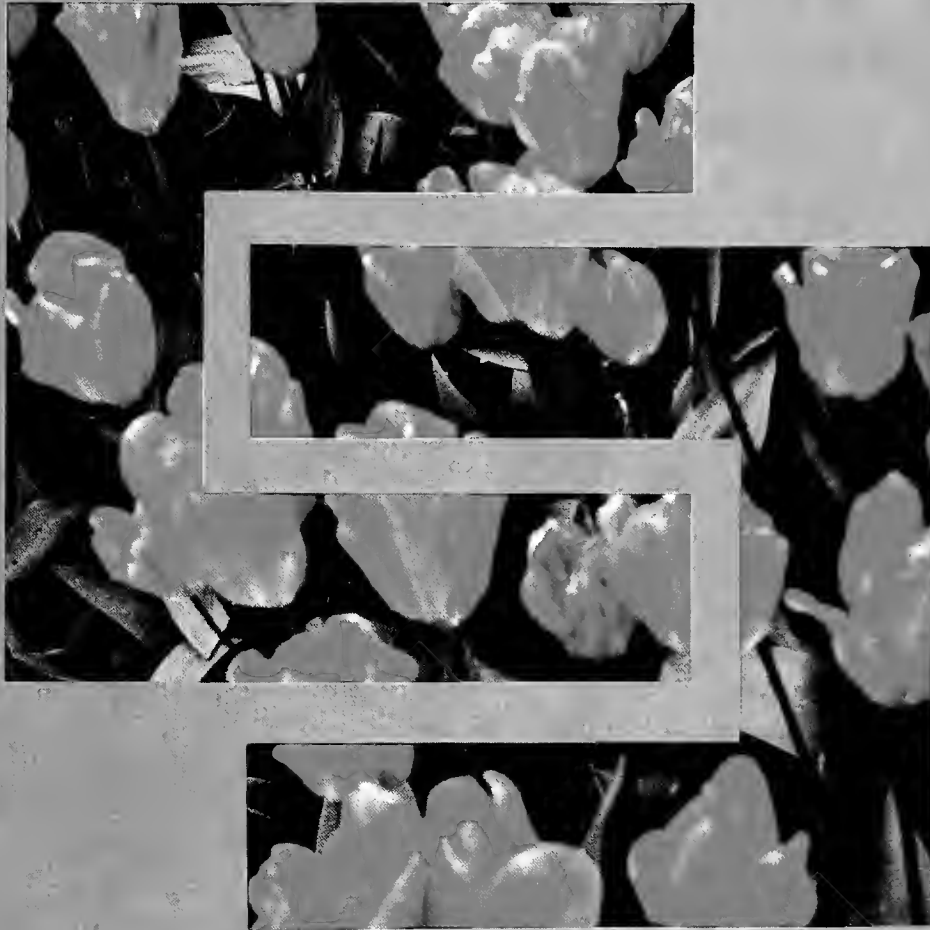
A new mini addition to the arrangement classes. Entries will not exceed 5 inches in any direction.

Sunday, March 7 through Sunday, March 14

Rhythm. A design of dried plant material

Miniature Masterpiece. A mass arrangement of dried plant material.

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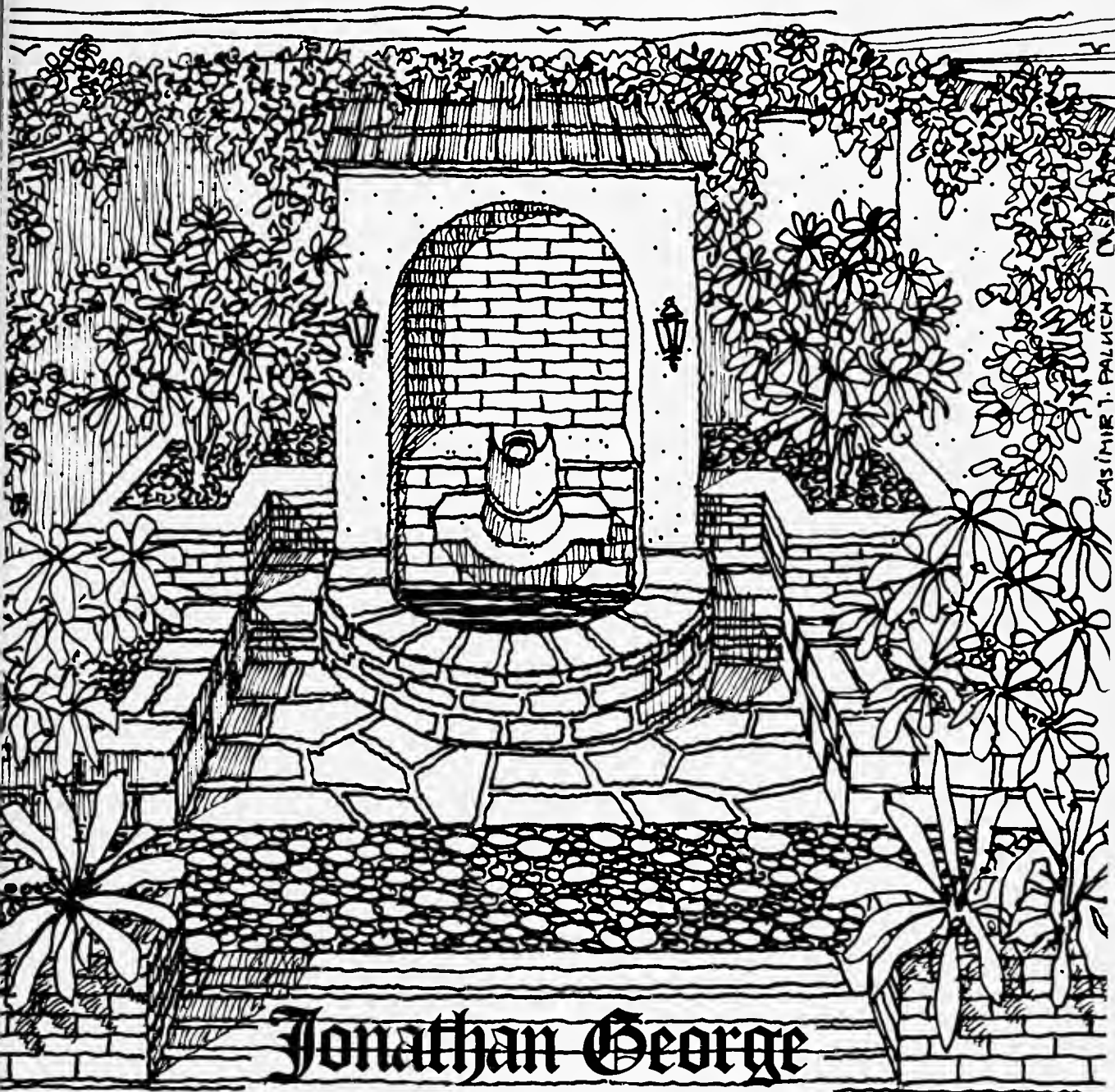
What the Andersons will try next is anyone's guess. But one thing is certain. Whenever these two daring, unpredictable balloonists get together, they do something very predictable. They pour themselves a glass of their favorite Scotch, Cutty Sark. And they start planning the newest mission impossible.

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Pedestals

Large

Sunday, March 7 & Monday, March 8
Flight. A design

Tuesday, March 9 through Thursday,
March 11

Accent on Industry. An interpretation

Friday, March 12 through Sunday,
March 14

Anything Goes. A composition

Medium

Sunday, March 7 & Monday, March 8
Forms and Flowers. An arrangement

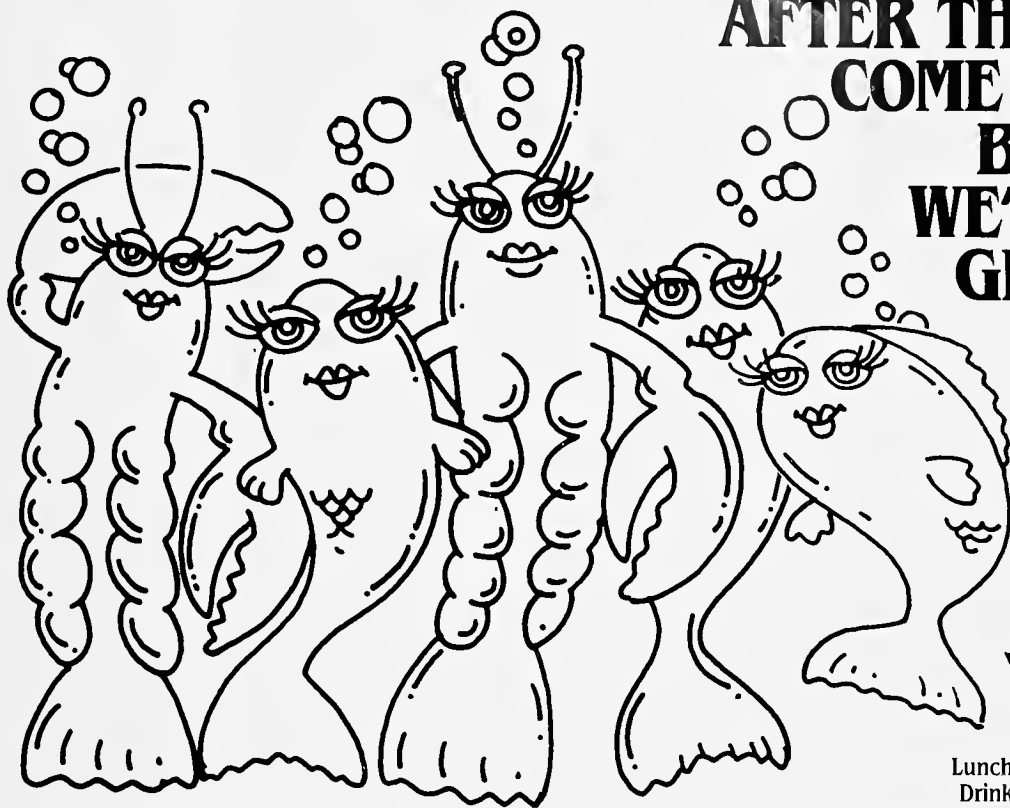
Tuesday, March 9 through Thursday,
March 11

Fun with Foliage. An arrangement

Friday, March 12 through Sunday,
March 14

Branching Out. A design





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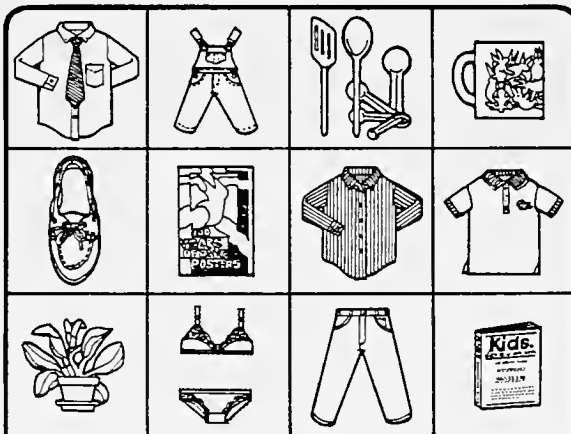
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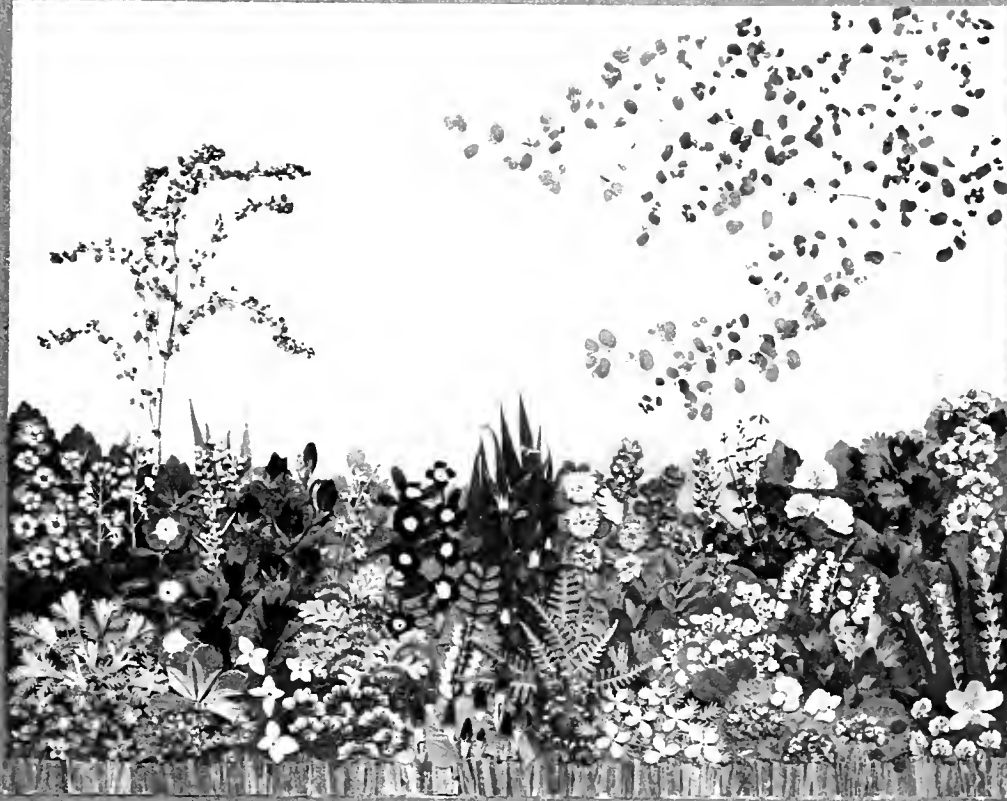


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Designs for Pressed Plant Materials



1981 Designs for Pressed Plant Material: "An Old-Fashioned Garden."
First place: Mary M. Nichols

25

All you have to do is look at the pressed plant materials class to know that you cannot do that kind of work and be impatient. Every part of the design is assembled from many tiny pieces, patiently pressed, disassembled and reassembled according to the artist's preference.

Katharine King, who is both an arranger and designer of pressed plant material, says that doing pressed plant designs is a marvelous outlet for the imagination. "It's like painting, except instead of using oils and water colors, you are using flow-

ers, leaves, and other sections of a plant."

Their colors, shapes and textures suggest some of the ways they can be used. "In flower arranging," says King, "the flowers are generally used as they are. When you are doing a pressed plant design you can create plants that don't exist from parts of existing plants. An extraordinary imagination creates a tree or cow or city from a few blossoms, sticks and foliage."

King was responsible for having Princess Grace judge the class at the

1976 Philadelphia Flower Show. Princess Grace is an enthusiastic pressed plant designer who has exhibited and sold her work through Parisian galleries, and whose interest led to an invitation to design bed linens and towels for Springmaid.

1982 CLASS 141 A SCENE – PENN'S WOODS circa 1682
CLASS 142 A MAY BASKET
CLASS 143 DECORATE A MIRROR
CLASS 144 A BOOKPLATE FOR A CHILD'S BOOK



Miniatures



Holiday. A Celebration – "Grandmother's House on July 4th" – by Mr. and Mrs. F. Hamilton Gougeon

26

Because several skills are involved, exhibitors working in the miniature rooms often work in teams. Someone must know how to design and how to construct both the landscapes and the interior structures used, as well as have the imagination to mimic plants from nature in miniature.

The Liliputian plantings must complement the rooms and buildings and generally enhance the whole scene.

The plants are not just a small version of a known and recognizable tree or shrub, but plants whose leaf sizes are approximately one-twelfth the leaf size of the tree or shrub being simulated. On the miniaturists' scale, one

inch equals one foot. In addition to leaf size, the plants' growth habit must be similar to that of the plants being duplicated. That is not to say that a clump of birches and its simulation, an aralia plant for example, must be similar in every way. But the aralia plant must convey to the viewer at least the idea of a clump of birch trees.

The creativity of the people entering these classes is unlimited. In previous years exhibitors have used baby's tears for groundcover, bird seed for pebbles and have created espaliers using ping-pong balls on orange sticks. It took more than 50 cuttings of *Sedum nevii* to cover

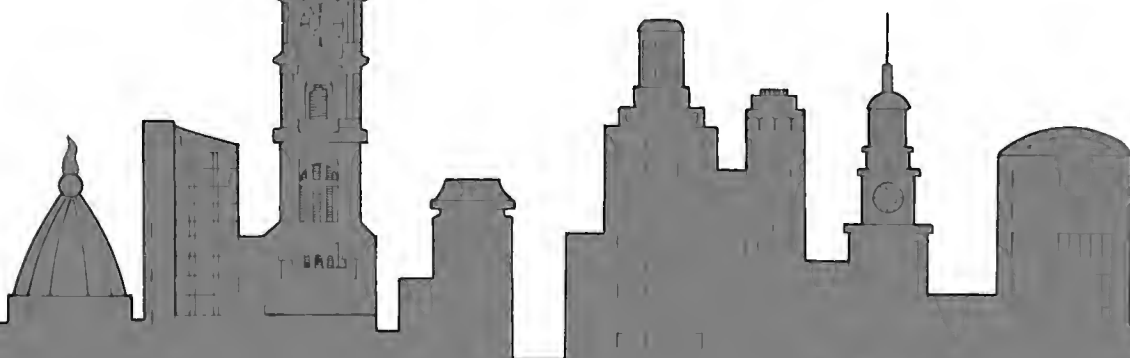
each ping-pong ball.

This class is a remarkable opportunity to play out fantasies for those who have always wanted to but never created a stage, architectural or landscape design. It's not just the exhibitors who get carried away with their ideas. The long lines of visitors in these areas are evidence that the classes strike their imaginations with equal passion.

1982 CLASS 133 PENNSYLVANIA THEN AND NOW – INSIDE
CLASS 134 PENNSYLVANIA THEN AND NOW – OUTSIDE



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I/We want to enter the following category(ies):

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2. Community Vegetable Garden
3. Individual Flower Garden
4. Community Flower Garden
5. Individual Container Gardens

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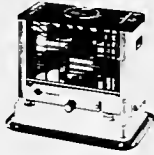
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The Director



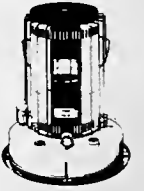
Radiant 8



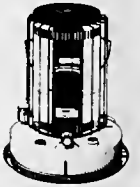
Radiant 10



Radiant 36



Omni 105



Omni 85

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Greeting A Guest – "Roger Tory Peterson" – by Garden Club of Wilmington

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Mrs. Robert S. Warth, Co-Chair

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Mrs. Samuel J. Trueblood, II, Chair
Mrs. Joseph S. Hanson, Vice-Chair

Moorestown Garden Club
Mrs. K. E. Haupt, Co-Chair
Mrs. Russell Fairbanks, Co-Chair

Random Garden Club
Mrs. Thomas Ross, Chair

**Victorian Society of America,
Phila. Chapter**
Kate Giomi, Chair

The Weeders
Mrs. Matthews Williams, Chair
Mrs. Henry B. King, Vice-Chair

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Mrs. Willard L. McEwan, Chair
Mrs. John F. Daley, Jr., Vice-Chair



Table Settings



When You Are Entertaining – "Summer House Proposal" – by Suburban Garden Club

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Garden Club**

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Mrs. Peter Cordelli, Vice-Chair

Garden Club of Wilmington

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Mrs. Wm. Lee Wiley, Co-Chair

Maple Glen Garden Club

Connie Wolner, Chair

Maryellen Foulke, Vice-Chair

Norristown Garden Club

Mrs. William Heyser, Co-Chair

Mrs. James Oeste, Co-Chair

Old Eagle Garden Club

Mrs. John F. Hayes, Chair

Swarthmore Garden Club

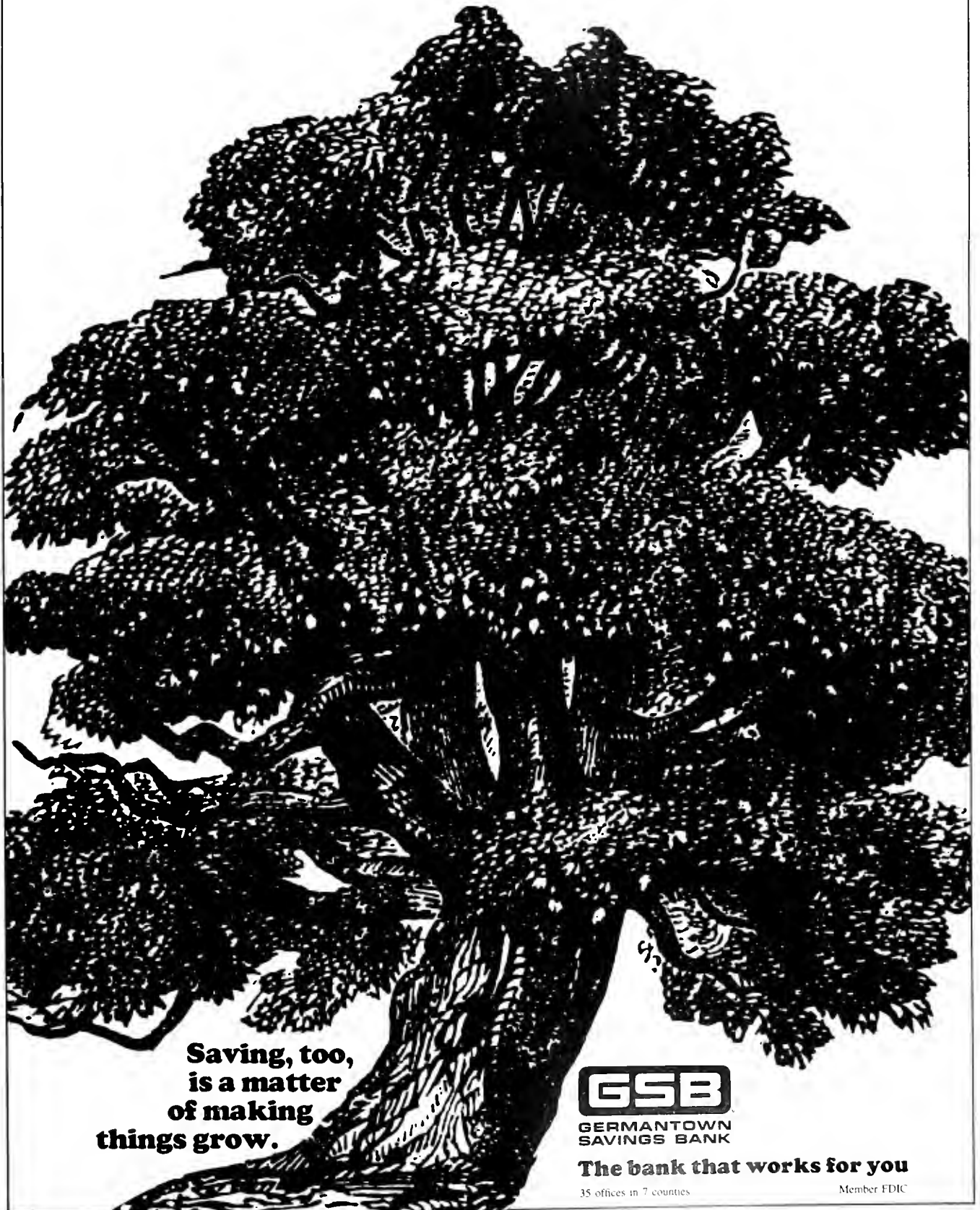
Donna Edwards, Co-Chair

Gladys Snively, Co-Chair

Wissahickon Garden Club

Mrs. Stephen Peake, Co-Chair

Mrs. Christopher Wemple,
Co-Chair



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of making
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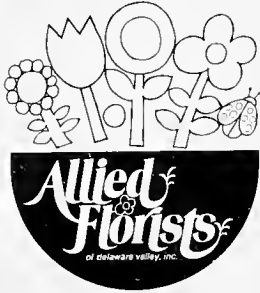
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Beale, Paul — Flowers
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Bonatsos's Flower Shop
133 S. 10th St. 923-1330

Carlino of Roxborough
6011 Ridge Ave. 482-1801

Carlino, Wm. & Sons
3714 N. Broad St. 225-5300

Claire's Flower Shop
5128 Torresdale Ave. 535-0393

Carroll, Marty — Florist
1343 E. Lycoming St. 533-2884

Circle Florists & Gourmet Gift Shop
6400 Castor Ave. 289-3737

Cullinan Florist
Passyunk & Woodstock
Didden, Wm. 467-1600

2107 Cemetery La.
Eisele's Flowers 729-5608

5741 N. 5th St.
Fem Flower Shop 924-1919

7100 Ridge Ave.
Flowers by Desi 482-5884

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856 N. Broad St.
Haymon Flower Shop 763-5765

2701-03 W. York St.
Hilton's Flowers 228-8683

6444 Rising Sun Ave.
Ivy Flower Shop 745-3171

6527 Frankford Ave.
Jade Flower Shop 388-0505

1441 Snyder Ave.
Johnson's Flowers 465-6664

712 Chestnut St.
Johnson's Flowers 923-8874

37 S. 17th St.
Koehler's Flower Shop 563-2896

4653 Frankford Ave.
Kremp's Flowers & Plants 533-0251

7217 Rising Sun Ave.
Kremp's Flowers & Plants 676-5400

5657 N. 5th St.
Kremp's Flowers & Plants 224-0333

2133 Orthodox St.
Kuhn's Flowers, Inc. 742-4951

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Kuhn's Flowers, Inc. 924-7575

2004 Rhawn St.
Lautt, David — Florist, Inc. 742-8624

10783 Bustleton Ave.
Lovable Plants & Flowers 676-0707

1200 Tree St.
May Flower Shop 336-1151

5007 Wayne Ave.
McCane, James — Flowers 843-7779

1707 W. Passyunk Ave. 271-1800

McHenry Flowers
6523 Woodland Ave. 729-6000

Medinger, Russell — Florist
8430 Germantown Ave. 247-6677

Midvale Florist
3700 Midvale Ave. 438-3300

Midvale at The Marriott
City Line & Monument Aves. 664-7700

Muller, Society Hill Florist
Wainut at 8th St. 924-5715

Munk's Flowers & Fruit Baskets
5736 Rising Sun Ave. 745-4386

Pappas Flowers
1617 J. F. Kennedy Blvd. 567-0456

Paris Flower Shop
1331 W. Olney Ave. 548-2727

Pennock Florist, Inc.
1620 Walnut St. 546-8848

Perello's Flower Shop
2537 S. Broad St. 467-6415

Peters' Petals
815 Christian St. 922-0549

Plumeria Originals
12041 Bustleton Ave. 677-5444

Pontarelli Flowers
8912 Frankford Ave. 333-3900

Presidential Flowers
City Line Ave. 477-9481

Queen Village Florist
618 S. 2nd St. 925-0484

Reliable Flower Shop
1621 Point Breeze Ave. 334-5799

Ridgeway Flower Shoppe
2111 W. Oxford St. 236-1016

Robert Mitchell Florist
Broad & Walnut Sts. 546-1100

Robertson, Geo & Sons
8501 Germantown Ave. 242-6000

Rothe-Woltemate Florists
7148 Germantown Ave. 247-0832

Scott Florists
5722 Frankford Ave. 289-0939

Schmidt, Otto A.
Halstead & Solly Ave. 745-6234

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Stein Your Florist
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223 N. Front St. 19135 338-7100

Strang, Andrew H., Inc.
325 Cherry St. 923-1540

Thompson Flowers
3233 Ridge Ave. 228-3025

Torresdale Flower Shop
7806 Frankford Ave. 338-5990

Wanjek, Emma
2537 W. Lehigh Ave. 229-4897

Wanner's Flowers, Inc.
1901 Cottman Ave. 725-7500

Zavalis Florists
50 W. Chelton Ave. 843-2064

BUCKS COUNTY
Clair's Flower Shop, Inc.
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Doylestown Flowers & Gifts
15 Clemens Rd. 348-2666

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Edgely Florist
224 Edgely Ave. 945-6191

Levittown
Edward's Greenhouses
1016 3rd Ave. 788-4604

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Fireside Flowers
1025 Second St. Pike 355-3066

Richboro
The Flower Shoppe
Bensalem Plaza
Cornwells Heights 638-4567

Frederick's Flowers & Gifts
Rts. 113 & 309
Souderton 723-9865

Gemini Flowers 'n' Gifts
2731 Hulmeville Rd.
Cornwells Heights 638-3340

Georgette Flower Shop
2568 Bristol Pike
Cornwells Heights 639-1114

Holland Flower Shop
644 2nd St. Pike
Southampton 355-4282

Langhorne Gardens Flower Shoppe
2040 E. Lincoln Hwy.
Langhorne 757-2161

Line Lexington Plant & Flower Shop
Rt. 309 & Hilltown Pk.
Line Lexington 822-1279

Lyndell Flower Shop
Rt. 383, N.W. of Downingtown
Lyndell 942-2473

Martier's Florist
1014 Bridge Rd.
Bensalem 639-8068

Michael Rose Shoppe
1204 Buck Rd.
Feasterville 322-7861

The Morrisville Florist
509 W. Bridge St.
Morrisville 295-2611

Rhodes Flower Shop
103 S. State St.
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Randall-Morris Florists
39 W. State St.
Doylestown 345-9511

Richboro Florist
872 Second St. Pike
Richboro 364-0600

Rosemore Flower Shop
981 W. County Line Rd.
Warminster 672-5995

Schmidt's Flowers
Otter & Maple Sts.
Bristol 788-0451

Slater's Flower Shop
358 W. Trenton Rd.
Morrisville 736-0788

Spring & Twig Shop
General's Commissary
Washington Crossing 493-5104

Tropic-Ardens, Inc.
32 S. 9th St.
Quakertown 536-5365

Warminster Tree House
540 W. Street Rd.
Warminster 672-3050

Windsor Florist
1576 Haines Rd.
Levittown 946-3640

CHESTER COUNTY
Anne's Flower Shop
311 E. Lincoln Hwy.
Coatesville 384-5045

Coatesville Flower Shop
334 E. Main St.
Coatesville 384-2677

Del's Flower Shop
3464 E. Lincoln Hwy.
Thorndale 384-4117

Halladay Florist
29 S. Church St.
West Chester 696-5200

Kill's Flower Shop
320 S. High St.
West Chester 696-9393

Matlack Florist
315 N. Chester Rd.
West Chester 431-3077

McDonough's Greenhouses
51 Rutland Ave.
Malvern 644-2340

McDonough's Flower Shop
52 W. Lancaster Ave.
Downingtown 269-0402

Pennypacker & Son Florist
699 Gay St.
Phoenixville 933-8831

Van Cleve's Flowers
600 Embreeville Rd.
Downingtown 384-3898

Waterloo Gardens
136 Lancaster Ave.
Devon 293-0800

Waterloo Gardens
200 N. Whitford Rd.
Exton 363-0800

DELAWARE COUNTY
Adelberger Florist
Conestoga & Wayne
Wayne 688-0431

Alvin's Flower Shop
Lawrence Park Shopping Ctr.
Broomall 356-7300

Aston Florist
3-B E. Dutton Mill Rd.
Aston 497-1433

Blair's Florist
Concord Rd. & Pancoast Ave.
Aston 494-1033

Callaway Florist
Dutton Mill Rd. & Sheppard St.
Brookhaven 872-1949

Carroll, Bill — Florist
1 S. Chester Pike
Glenolden 586-7474

Carroll's Flowers
Cedar Ave. & MacDade Blvd.
Darby 583-6100

Cowan's of Wayne
195 W. Lancaster Ave.
Wayne 688-5150

Cown, L.P. — Flowers & Gitts
2725 W. Chester Pike
Broomall
353-1200

Edgemont Flower Shop
934 Providence Road
Media
566-6227

Flowers by Bill
Conestoga & Garrett Rds.
Rosemont
525-4121

Janik's Florist
201 N. Springfield Rd.
Clifton Heights
284-7834

Lansdowne Floral Shop
25 N. Lansdowne Ave.
Lansdowne
623-3640

Manoa Flowers
4 N. Manoa Rd.
Havertown
449-4588

Mielcarek's Flowers & Gitt Shop
2805 Chichester Ave.
Boothwyn
494-3117

Mostard's Nursery & Greenhouses, Inc.
4033 West Chester Pike
Newtown Square
356-8035

Newtown Square Flower Shop
12 Clyde St.
Newtown Square
356-5511

Polites, Dean — Flowers
42 Garrett Rd.
Upper Darby
352-1717

Polites, Dean — Flowers
443 Baltimore Pike
Stoney Creek Ctr.
Springfield
544-1121

Polites, Lee — Flowers
4300 Woodland Ave.
Drexel Hill
259-5700

Ridley Park Florists
13 E. Hinckley Ave.
Ridley Park
521-3366

Swisher's Flower Shop
792 Garrett Rd.
Upper Darby
352-3696

Whitey Frank's Florist
W. Chester Pk. & Eagle Rd.
Havertown
449-2244

MONTGOMERY COUNTY

Albrecht's Flowers
701 Montgomery Ave.
Narberth
667-2800

Ambler Flower Shop
107 Butler Pike
Ambler
646-0507

Azalia's Flowers
Colonial Shopping Ctr., Ridge Pk.
Eagleville
539-9417

Baldwin Flowers
115 Fayette St.
Conshohocken
828-0651

Blatt, Joe — Florist
"The Yorktown"
Elkins Park
885-2931

Blatt, Joe — Florist
"The Benson East"
Jenkintown
885-2931

Bryn Mawr Flower Shop
928 Lancaster Ave.
Bryn Mawr
527-6515

Catanese, Anna — Flower Shop
321 DeKalb St.
Norristown
272-2233

Coupe, Frank R. — Flowers
625 Bethlehem Pike
Erdenheim
242-8880

Crouthamel Flower Shop
20 W. Chestnut St.
Souderton
723-2267

Depot Greenery
Telford R.R. Station
Telford
723-8800

Dominick's Flowers
200 Limekiln Pike
Glenside
884-5945

Dresher Flower Shop
Dreshertown Plaza, Limekiln Pk.
Dresher
643-3888

The Flower Shop
Bethlehem Pike
Spring House
646-8550

Fort Washington Garden Mart
488 Bethlehem Pike
Fort Washington
646-3336

Ganley's Flowers
1738 Rockwell Rd.
Abington
884-7700

Geruardi, Joseph — Florist
410 E. Fomance St.
Norristown
272-0156

Hague Brothers
201 Roberts Ave.
Conshohocken
828-0630

Jenkintown Flower Shop (Fox's)
419 Cedar St.
Jenkintown
884-1106

Johnson's Flowers
City Line & Merion Aves.
Merion
667-4163

Kesler's Flowers
115 Tennis Ave.
North Hills
884-3109

Kremp's Flowers & Plants
220 Davisville Rd.
Willow Grove
659-9200

Kremp's Flower & Plant Shop
Rt. 202
Gwynedd Valley
699-7008

Kremp's Flower & Plant Shop
160 N. Gulph Road
King of Prussia
242-9200

Lansdale Florist
861 W. Main St.
Lansdale
855-3289

Leith's Florist
385 W. Lancaster Ave.
Haverford
649-1187

LeRoy's Flowers
16 N. York Rd.
Halboro
674-0450

Luskin & Katona Florists
2771 Jenkintown Rd.
Ardley
886-3869

McGarvey & Walsh Flowers
5 E. Montgomery Ave.
Bala Cynwyd
664-5416

Muller's Flowers
Easton Rd.
Glenside
886-4200

North Wales Florist
129 S. Main St.
North Wales
699-4892

Parkway Flowers
437 Old York Rd.
Jenkintown
885-2122

Penny's Flowers
Wharton & Keswick Ave.
Glenside
884-0241

Pine Run Garden Center
307 Horsham Rd.
Horsham
675-1059

The Plant Crossing
Souderton R.R. Station
Souderton
723-8264

Plent Gallery Florists
1510 DeKalb Pk.
Norristown
279-9826

Posey Patch
532 Plymouth Meeting Mall
Plymouth Meeting
828-8896

The Precious Fern
545 Germantown Pk.
Lafayette Hill
825-2066

The Rhoads Garden, Inc.
570 Route 202
North Wales
699-4992

Rydal Flower Shop
930 Washington Lane
Rydal
884-2550

Sally's Flower Shoppe
910 Henrietta Ave.
Huntingdon Valley
379-5050

Steffen, C. V. — Florist
6-8 Marshall St.
Norristown
275-1910

Stipa's of Glenside
36 Limekiln Pike
Glenside
884-6108

Suburban Gardens
540 Haverford Rd.
Wynnewood
649-3940

Valentine Florist Shop
250 Havertord Ave.
Narberth
667-0484

Walker's Floral Shop
212 Central Ave.
Cheltenham
379-3821

Weber's Florist & Greenhouse
Monument Ave. & Penn St.
Hatboro
675-0438

NEW JERSEY ATLANTIC COUNTY

Lewellen's Florist
100 S. White Horse Pk.
Hammonton
561-9051

Star-N Florist
1406-08 Shore Rd.
Northfield
641-7200

Willingmyre's Florist
445 S. First Rd.
Hammonton
561-0840

BURLINGTON COUNTY

The Daisy Chain
10 N. Main St.
Medford
953-0635

Dullos, Stephen
126 Cherry St.
Burlington
386-5656

Flowers & Party Artistry by Gary
231 Farnsworth Ave.
Bordentown
298-1114

Holly's Flowers
Carranza Road
Vincentown
268-0681

Ivanka's Garden
201 Farnsworth Ave.
Bordentown
298-3020

Lansing's Flowers
Millside Shopping Ctr.
Delran
764-1375

Maple Shade Gardens
19 E. Woodlawn Ave.
Maple Shade
779-7777

Measy, William
402 Jones Ave.
Burlington
386-0068

Moorestown Flower Shoppe
25 E. Main St.
Moorestown
234-0660

Parker's Flower Shop
602 Parry Ave.
Palmyra
829-0440

3701 Church Rd.
Mt. Laurel
234-0444

Sunset Gardens Florist
1002 Sunset Rd.
Burlington
386-1806

White, Bob — Flower Shop
248 Pine St.
Mt. Holly
267-2700

CAMDEN COUNTY

Ambassador Florist
1520 Mt. Ephraim Ave.
Camden
966-0595

Atco Floral Gardens
74 White Horse Pike
Atco
767-7167

Brooklawn Flower Shop
600 Browning Lane
Brooklawn
456-2942

Bumble Bee Florist
1186 Yorkshire Sq., Fairview
Camden
541-5224

C & J Florist
Route 73
Berlin
768-0045

Candlelite Florist
219 S. Atlantic Ave.
Stratford
784-2255

Chew Florist
45 S. Black Horse Pike
Blackwood
227-0106

Clover Florist, Inc.
4137 Marlon Pk.
Pennsauken
662-6000

Cook's Florist
815 N. Black Horse Pk.
Runnemede
931-7193

Flower Box
5614 Lexington Ave.
Pennsauken
662-9398

The Flower Place
Ellisburg Shopping Center
Cherry Hill
429-3666

Flowers I Love
505 Route 70 East
Cherry Hill
795-3800

Jackel, C. — Flowers
711 N. 27th St.
Camden
963-0007

Kenmac Flowers
700 Hadden Ave.
Collingswood
854-6150

Leigh Florist
400 Amherst Rd.
Audubon
547-1090

Lynic Floral Shoppe
6305 Westfield Ave.
Pennsauken
662-3394

Oak Lynne Flower Shop
300 White Horse Pk.
Oaklyn
858-0117

Sansone Florist
8 Black Horse Pk.
Bellmawr
931-4082

Smith, L. Gerald — Florist
31 E. Kings Hwy.
Haddonfield
429-0428

Thoirs, James M., Inc.
Cherry Hill Mall
Cherry Hill
663-4560

Wirth Florist
22 S. Centre St.
Merchantville
663-0535

Wolfrum's Flowers
Transboro Rd.
Berlin
767-0105

Woodlynn Floral Gardens
1614 Ferry Ave.
Woodyne
962-8200

CUMBERLAND COUNTY

Anton's Florist
R.D. 1, Harding Hwy.
Vineland
697-1234

Flowers by Venditti
1276 Pennsylvania Ave.
Vineland
825-2658

Gates Floral Gardens
Newport-Millville Rd.
Newport
447-4471

Lagerholm Florist & Greenhouses
1528 E. Elmer Rd.
Vineland
691-0962

Old Mill Florist
667 S. Delsea Drive
Vineland
691-3827

Terminal Florists
3017 S.E. Boulevard
S. Vineland
692-8628

GLOUCESTER COUNTY

Bill's Floral Shoppe
674 N. Broad St.
Woodbury
845-0418

Gale Miller's Flowers
103 Black Horse Pike
Williamstown
629-6133

George & Son
1530 S. Delaware St.
Paulsboro
423-0317

Grove Floral Shop
780 Delsea Dr., Westville
Deptford
845-2287

Mary Jane Florist
210 Station Ave.
Westville
456-3620

MERCER COUNTY

Belyung Florist
534 Emmett Ave.
Trenton
392-6111

Eppolito Florist
475 Princeton Ave.
Trenton
393-4137

Flower Originals by Tess
478 Hamilton Ave.
Trenton
394-2242

Graziano, Anthony — Florist
540 S. Clinton Ave.
Trenton
393-3964

Hamilton Florist
1215 Hamilton Ave.
Trenton
566-6466

Lawrence Road Florist & Greenhouses
1365 Lawrence Rd.
Lawrenceville
882-6345

The Plant Pavilion
Pennington Shopping Ctr.
Pennington
737-0414

Ribsam's Flowers
100 Lee Ave.
Trenton
695-6225

Simcox's Flowers
2615 Hamilton Ave.
Trenton
587-8280

OCEAN COUNTY

Jan's Flower Fashions
49 Main St.
New Egypt
758-7680

SALEM COUNTY

Garden of Eden Flower Shop
1 Broad & Main St.
Penns Grove
299-1337

Tice's Florist & Gifts
West Front St.
Elmer
358-2687

DELAWARE NEW CASTLE COUNTY

Andre's Florist Shop
512 E. 35th St.
Wilmington
762-6485

Belak, A. — Florist
832 Philadelphia Pk.
Wilmington
762-5000

Brandywine Flowers
1303 Veale Rd.
Wilmington
478-6231

The Daisy Kiosk
Concord Mall
Wilmington
478-1377

Hooten Florist
2615 Market St.
Wilmington
762-3778

House of Flowers, Inc.
1240 E. 16th St.
Wilmington
658-7123

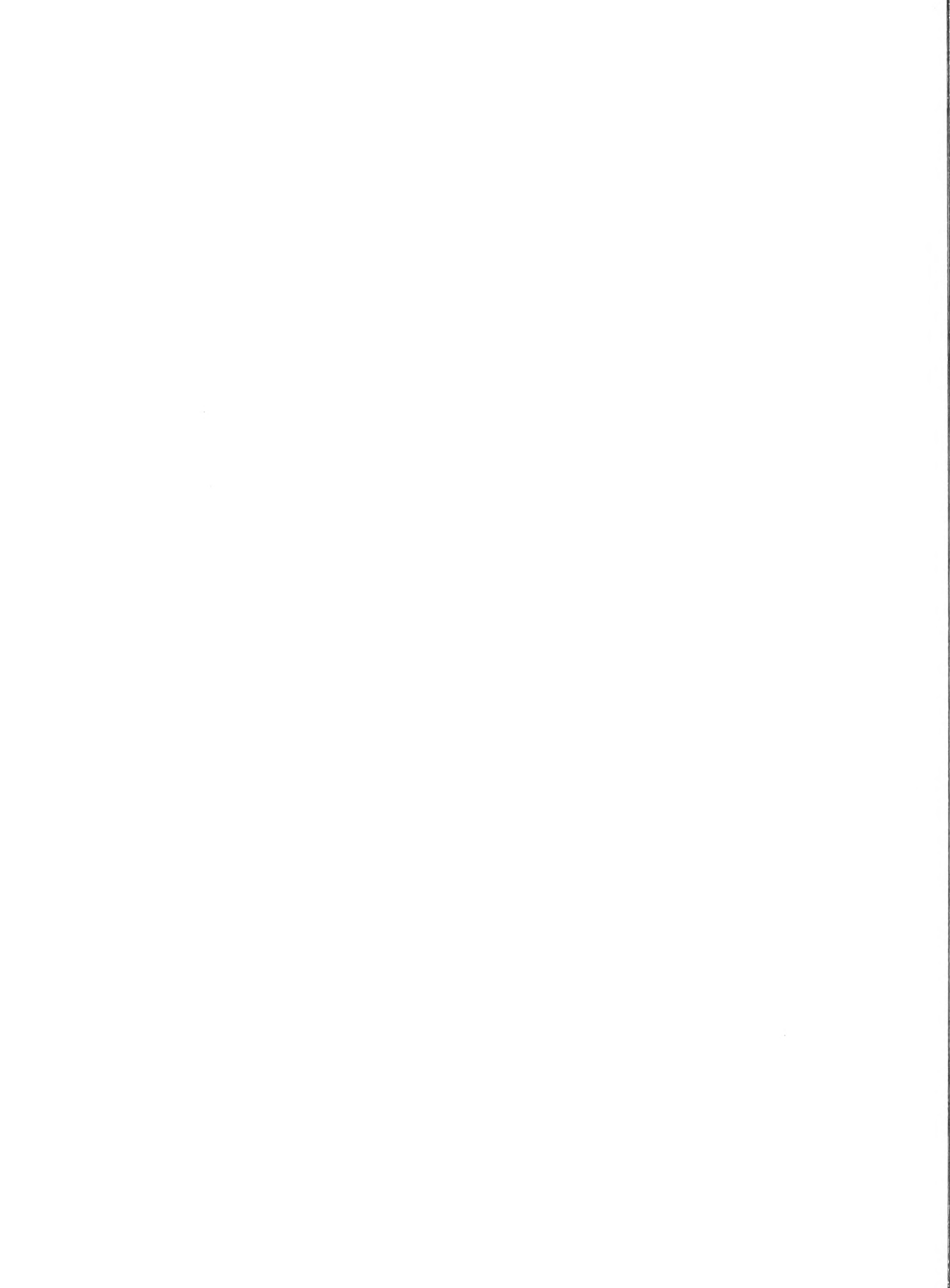
Marker's University Florist
Chestnut Hill Plaza
Newark
731-1233

Marker's University Florist
148 E. Main St.
Newark
737-3176

Red Mill Florist & Greenhouse
1250 Kirkwood Hwy.
Newark
737-3270

The Taylors of Penny Hill Flower Shop
2123 Concord Pk.
Wilmington
655-5591

Walker's Florist & Greenhouses
Old Lancaster Pk. & School Rd.
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239-5333





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Gardening demonstrations by Pennsylvania Horticultural Society staff daily, Monday through Saturday, 12:30 & 2:30 pm, and on Sunday, March 7, 12:00 noon & 3:00 pm.

Flower Arranging demonstrations daily by Allied Florists at 10:30 am, 1:00, 3:30, 6:00 pm and Sundays at 12:00 noon and 3:00 pm. Florists will offer practical tips on "How to Use Flowers in the Home," "Keeping Flowers," "Plant Care," "Your Own Arrangements," and "How Your Professional Florists Can Serve You."

PLANT CLINIC

Pennsylvania Horticultural Society staff will be available at the Plant Clinic (below the escalator) during the Show to answer your horticultural questions.

EATING FACILITIES

New at the 1982 PHILADELPHIA FLOWER SHOW is the Garden Cafe, a new lunching area in Pennsylvania Hall adjacent to the trade booths. The Civic Center DINING ROOM serves full course meals, cafeteria style. It is open from 11 am to 4:30 pm. The COCKTAIL LOUNGE, adjacent to the dining room, is open from noon until 8 pm. The INTERNATIONAL CAFE is open from 11 am until 8 pm. SNACK BARS will be in operation, also pizza, ice cream and funnel cake stands.

WHEELCHAIRS AND STROLLERS

Wheelchairs and strollers are available at the entrance level of the Show. They may be rented for \$4.00 each. It is difficult to reserve wheelchairs and guarantee them, so it is best for people who need them to come in the late afternoon and evening.

BEST TIME TO COME

The best time to see the Show is in the late afternoon or early evening when it is least crowded.

ADVANCE GROUP TICKET SALES

Next year save time, money and effort by ordering advance sale tickets. Sign up for the PHS mailing list for advance group tickets for the 1983 Show by calling PHS at 215-625-8250, or writing Advance Group Sales, Pennsylvania Horticultural Society, 325 Walnut Street, Philadelphia, PA 19106. You can order a minimum of 10 adult tickets for a reduced per ticket price and have them mailed directly to you next year.

PHILADELPHIA CONVENTION AND VISITORS BUREAU BOOTH

A new addition to this year's Flower Show is the tourist information booth located at the top of the escalators where you can find out about hotel accommodations, transportation schedules, visitor attractions, and local restaurants to nourish you on your way home from the Show.

PHS MEMBERSHIP BOOTHS

The Pennsylvania Horticultural Society invites you to become a member of the Society that produces the Philadelphia Flower Show. Stop today for membership information at the PHS membership booth on the main floor, at the plant clinic and at the Fern Fanatic's booth in the trade booth area. Terrific membership premiums are available if you join PHS during your visit at the Flower Show.

VISIT TRADE BOOTH EXHIBITORS

A variety of 126 exhibits offer bromeliads, bulbs, patio furniture, tractors, greenhouses, books, ferns and fuchsias and hundreds of other horticultural goodies. Kodak film available at Booth 29.

FOOD AND BEVERAGE AVAILABLE

in the International Cafe and the Garden Cafe.
See floor plan.

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Meet me at The Garden.

The Garden, 1617 Spruce Street, Philadelphia.
Call 546-4455 for reservations.

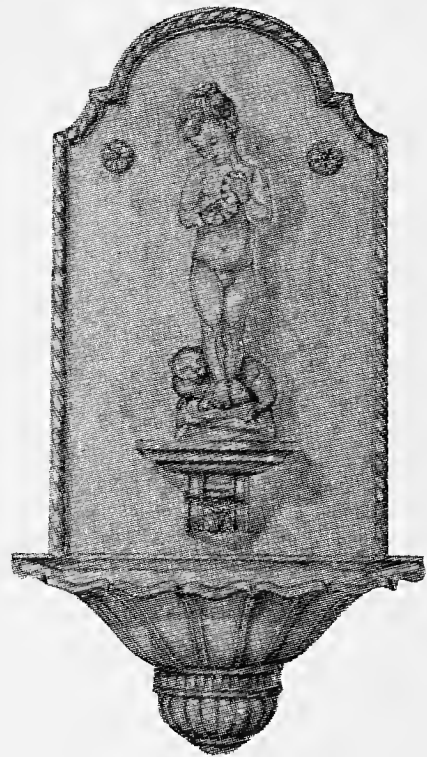


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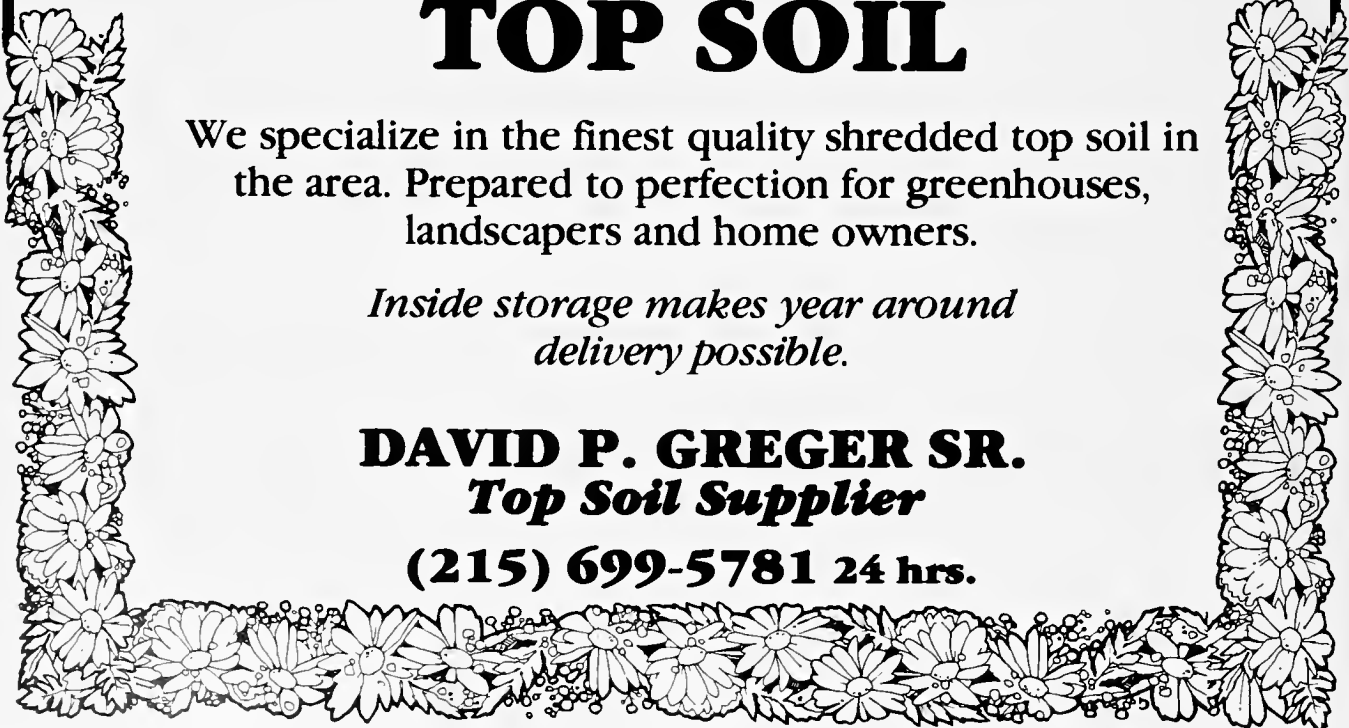
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Exhibitors

listed alphabetically

AFRICAN VIOLET SOCIETY OF PHILADELPHIA

2050 East Orleans Street
Philadelphia, PA 19134
Tom Seiler, Chair

AFRICAN VIOLETS

This outstanding collection of America's favorite indoor flowering plant, the African violet, offers educational information on rooting and the care of your plants. As you walk through the display you can observe the wide range of violets available today.

ALLIED FLORISTS OF DELAWARE VALLEY

12 Cavalier Drive
Ambler, PA 19002
Robert W. Cullers, Chair
Staged by: Bill McCready
House of Flowers
1800 Lovering Avenue
Wilmington, DE 19808

SPRINGTIME IN MOTION: A FLORAL CELEBRATION

Spring's rebirth of life and color catches the eye with moving floral arrangements presenting an ever-changing panorama. Beautiful flowers and luxurious green plants give a prelude to early spring. Soft pussy willow, graceful forsythia, topiary bunnies and springtime harbingers are applauded by a rainbow fountain.

AMERICAN RHODODENDRON SOCIETY

Philadelphia & Valley Forge Chapters
Kresson-Gibbsboro Road
Marlton, NJ 08053
T. Stecki & G. Fredericks, Co-Chairs

WHAT YOU ALWAYS WANTED TO KNOW ABOUT RHODODENDRONS

This exhibit introduces visitors to various types and varieties of the genus rhododendron in a landscape scene. Answers are available to cultural questions including how to plant, prune, fertilize, and control disease problems.

AMERICAN ROCK GARDEN SOCIETY

Delaware Valley Chapter
536 Dogwood Place
Newtown Square, PA 19073
John S. Kistler, Chair

ROCK GARDENING AROUND A TERRACE

Today many people have less time and space to enjoy gardening. Rock gardening, with its small-scale plants, can ease these problems. View this scree garden with dwarf conifers, diminutive plants and bulbs under a large conifer. A woodland rock garden extends into a meadow garden. The raised beds act as a transition from building to garden.

continued on p. 42

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Oxford Valley Mall, Langhorne, Pa.
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Exhibitors

listed alphabetically

cont'd. from p. 41

PERCY BROWN NURSERY, INC.

Old River Road, R.D. 3

Birdsboro, PA 19508

Galen and Nevin Brown, Co-Chairs

SEVENTEEN STRAWBERRY STREET CIRCA 1982

Many of the homes built in the era of William Penn are still in existence today. "Seventeen Strawberry Street Circa 1982" portrays how a mythical segment of an original property from "Penn's Greene Countrie Towne" might look with the house and garden reflecting the influence of contemporary trends in architecture, landscape architecture, and lifestyles of today. (Be sure to visit Seventeen Strawberry Street Circa 1682, staged by Whitmarsh Landscapes, Inc.)

CHILDHOOD FRIENDS

399 Port Royal Avenue

Philadelphia, PA 19128

Betsy Caesar, Chair

ROOM TO GROW

A play area designed to promote the development of physical skills and support social interaction in an environment that is safe and aesthetically pleasing. There's room for little sprouts to grow with their feet firmly planted in sand. They'll run all over your garden unless you give them room to grow.

COUNTY LINE LANDSCAPE NURSERY

805 Harleysville Pike

Harleysville, PA 19438

Herbert Bieberfeld, Chair

A GARDEN FOR YOU

French doors leading to an inviting brick patio offer a return to realistic approaches in home landscaping and outdoor living using available, affordable, quality plants. These easily manageable construction techniques integrate simplicity with beauty.

DELAWARE VALLEY COLLEGE OF SCIENCE AND AGRICULTURE

Route 202 & New Britain Road

Doylestown, PA 18901

John D. Martin, Chair

BULBS FOR ALL SEASONS

"Bulbs For All Seasons" demonstrates planting and forcing methods, bulb culture and care, and some of the many uses of bulbs, both in and around the home all year 'round. True bulbs, as well as corms, tubers and rhizomes are featured in the exhibit.

DELAWARE VALLEY FERN SOCIETY

412 West Cheltenham Avenue

Philadelphia, PA 19144

Kate Giomi, Chair

FERN "ROOTS"

This grouping of lush ferns represent those native to another country—Costa Rica. House ferns that are favor-

ites in American homes are exhibited here in a natural setting. Like people, some of these ferns have lost their native origins, their "roots." This exhibit portrays these fern species from their native land growing on a mountain hillside.

FAIRMOUNT PARK

Fairmount Park Commission,
Memorial Hall
Philadelphia, PA 19131
William E. Mifflin, Chair

SPRING BREEZE IN FAIRMOUNT

A "Spring Breeze in Fairmount" portrays a garden of the Early Republic Period (1782-1832). This time period has been referred to as the transplanted English Landscape Garden era. It was a time of gardens with vistas, stately trees, meandering water courses, all of casual but calculated design. Many unique areas similar to this exhibit may be found in Fairmount Park today.

FLORISTS TRANSWORLD DELIVERY ASSOCIATION

Staged by: Flowers by Bill
Conestoga Rd. and Garrett Ave.
Rosemont, PA 19010
Bill Giangliulo, Chair

PEEKS AT HISTORY

Assorted flower arrangements presented in eight niches by members of the Florists Transworld Delivery Association (FTD) will grace the Show with color, beauty, and unique arrangements for Penn's Greene Countrie Towne Show theme.

FOX CHASE CANCER CENTER

7701 Burholme Avenue
Philadelphia, PA 19111
David Bennett, Chair

USING PLANTS IN CANCER THERAPY AND RESEARCH

Plants play an important role in cancer treatment. In this exhibit the Fox Chase Cancer Center features some of the plants used to produce drugs for cancer treatment and those used to study growth processes and cell development.

FRIENDS HOSPITAL

Roosevelt Boulevard & Adams Avenue
Philadelphia, PA 19124
Mona D. Gold, Chair

GREEN AND GROWING – HORTICULTURE THERAPY

Visitors can walk through a model of the horticulture therapy program at Friends Hospital. A small greenhouse and potting shed will be used to display patients' projects done in horticulture therapy.

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PHILADELPHIA'S "COMPLETE" EQUIPMENT COMPANY

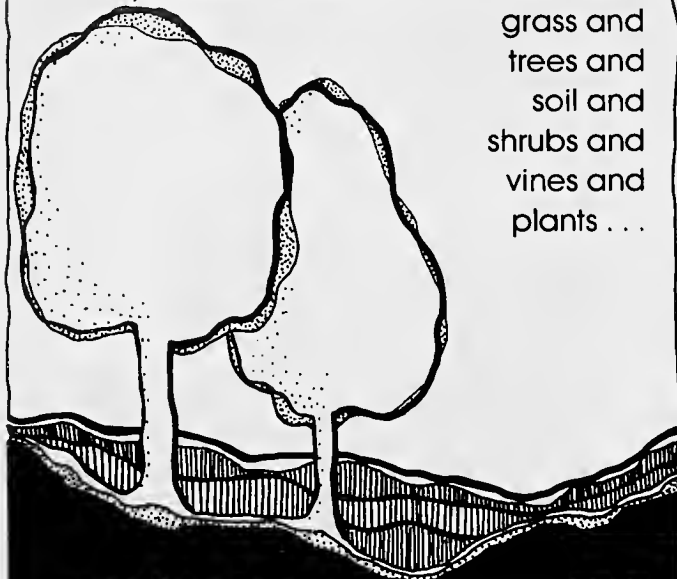
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Exhibitors

listed alphabetically

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GREATER PHILADELPHIA ORCHID SOCIETY

888 Welsh Road
Maple Glen, PA 19002
Ted Plume, Chair

SOME THINGS NEVER CHANGE

A family of the future from the 21st century enjoys orchid growing at home. Even though the surroundings change, orchid growing remains relatively unchanged. Time, measured by man is but a fleeting moment compared to the time plants have been on this planet. Man can only hope to understand the environment from which plants come and adapt his world to accommodate them.

IKEBANA INTERNATIONAL—PHILADELPHIA CHAPTER

RD #2, Box 110
Sewell, NJ 08080
Lorraine Toji, Chair

IKEBANA — A LIVING ART

The purpose of the Ikebana International exhibit is to present a visual introduction to Ikebana, its history and its evolution as an art form. Arrangements varying from traditional to modern in the five schools represented in the Philadelphia Chapter are used to illustrate the theme: Ikebana — A Living Art.

J&L ORCHIDS

20 Sherwood Road
Easton, CT 06612
Marguerite Webb, Chair

Richardson Conservatory
Courtesy of: China and Garden
The Greenhouse Center
Rt. 70, Racetrack Circle
Cherry Hill, NJ 08034

MINIATURE ORCHIDS

A collection of miniature orchids perfect for windowsills, indoor light units and home greenhouses is staged in an elegant English conservatory.

continued on p. 46

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Exhibitors

listed alphabetically

cont'd. from p. 44

JUDD'S HOLLYLAN NURSERIES

516 East Holly Avenue
Pitman, NJ 08071
William Judd, Chair

SUMMERS PAST ALONG THE WISSAHICKON

Vacations spent in this quiet place many years ago are now only a memory. Time and decay have taken their toll until only the remnants remain of happier times along the peaceful Wissahickon. Fallen trees and native plants leave a wilder, but still beautiful, spot where birds and forest animals now make their home. A waterfall and slowly meandering brook wind their way to the creek below.

KUHN'S FLOWERS

6100 North 5th Street
Philadelphia, PA 19120
Kenneth Elliott, Chair

PENN'S PEACEFUL RETREAT

Peaceful are the flowers cultivated in this garden gazebo ready for use in the home. Two period arrangements of flowers from the same garden present a feeling of tranquility, peacefulness, and solitude within this garden retreat. See how to use a garden and its bounty to bring these feelings within the home.

LEROY'S FLOWERS

16 North York Road
Hatboro, PA 19040
Leroy LaBold, Chair

HATBOROUGH - PART OF PENN'S 1682 PURCHASE

Hatborough - The Crooked Billet Inn was built in 1705 by John Dawson, a feltmaker and original settler of Hatboro, for whose trade the town was named. The Inn was used as a hotel and a public house during the Revolution. General Washington mentions having stopped there on his way from Valley Forge to Trenton. Enjoy the garden and the look of the Inn during this historic period.

LILYPONS GARDENS

Lilypons, MD 21717
Keith Folsom, Chair

INSTANT LANDSCAPE - JUST ADD WATER

Bring to life your landscape, just add water. Watch colorful goldfish dart beneath the lily pads and brilliantly colored waterlily flowers. Inhale the enticing lily perfume, enjoy the mesmerizing water ripples, the reflections of the sky. All these unique accents of a garden pool can enhance your home landscape.

LINCOLN HIGH SCHOOL

Rowland and Ryan Avenues
Philadelphia, PA 19136
David M. Kipphut, Chair

TO PRUNE OR NOT TO PRUNE

Learn when to prune your azaleas and your maple trees. Examine the tools to use and the pruning techniques. This

VISIT
AGREENE DREAM
AT
THE PENNSYLVANIA
HORTICULTURAL SOCIETY
325 WALNUT STREET
PHILADELPHIA

**CENTURY IV
CELEBRATION
EXHIBIT**
April 2 - October 31, 1982
Monday through Friday

exhibit provides an education for pruning ornamental woody trees and shrubs.

MEADOWBROOK FARM

1633 Washington Lane
Meadowbrook, PA 19046
John W. Story, Chair

POTPOURRI OF CONTAINER GROWN PLANTS IN A GARDEN SETTING

This exhibit features a lath gazebo for storing indoor plants or terrace specimens during the warm months. The plants are an assortment of both green and flowering hanging baskets, as well as specimens trained as standards and topiaries, combined with an assortment of garden accessories.

MEADOW BROOK NURSERIES, INC.

609 East Baltimore Pike
P.O. Box 951
Media, PA 19063
G. Kenneth Campbell, Chair

A PENNSYLVANIA PHENOMENON

A sight uncommon in many areas, the covered bridge remains a Pennsylvania phenomenon. Unlike massive bridge spans of today, covered bridges preserved nature's tranquility. The serenity of the brook is highlighted by the natural backdrop of deciduous trees, native flowering shrubs and evergreens.

ROBERT MONTGOMERY LANDSCAPE NURSERY

Box 67-C, Rt. 113
Chester Springs, PA 19425
Robert Montgomery, Chair

ATWOOD'S EDGE

Witness the harmony of a newly built house with its natural elements: a wooded hillside, rock, stone, a stream. Here the site has been developed along with the building. Stones have been gathered to build the sun room wall, the stream dammed and diverted to create a small waterfall, and a deck constructed to bridge the stream. Native and cultivated plants enhance the feeling of elegant serenity.

MOSTARDI'S NURSERY AND GREENHOUSES, INC.

4033 West Chester Pike
Newtown Square, PA 19073
Stephen L. Mostardi, Chair

THE COLOR ROOM

Seasonal flowering plants enliven a plant room, an important accent area of a home. This room is designed to be enjoyed from both inside and outside the house with landscaped patio serving as an extension of the room for outdoor activities.

continued on p. 48



Snipes

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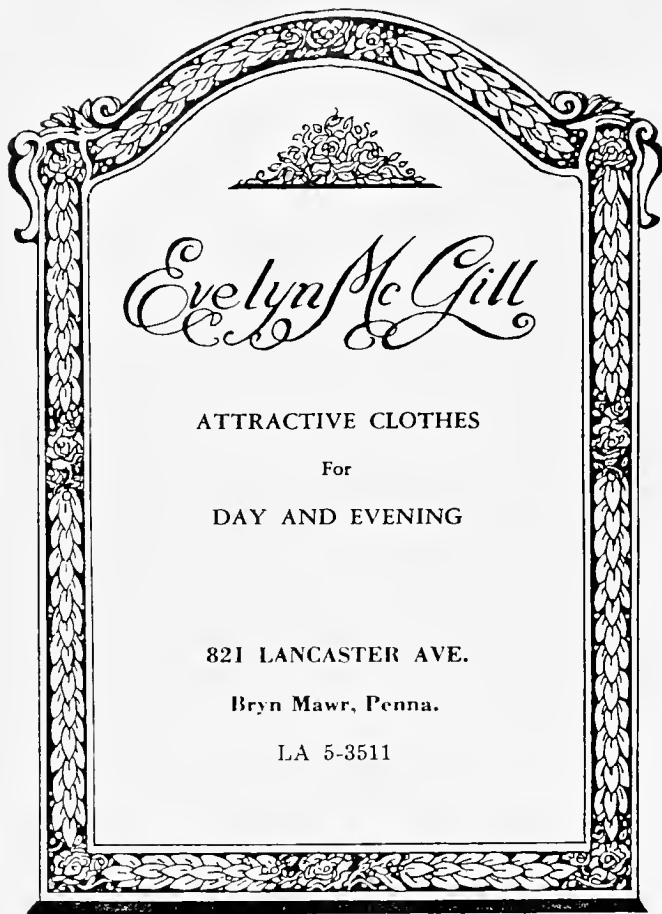
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Exhibitors

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cont'd. from p. 47

PENNSYLVANIA BONSAI SOCIETY

Box 112, 120 Pine Tree Road
Radnor, PA 19087
Fredric S. Ballard, Chase Rosade, and
Ralph R. Walker, Co-Chairs

A series of niches, dramatically lighted, feature some of the best examples of Bonsai in this area. Deciduous and evergreen trees, some as old as 150 years, are displayed on stands. Accent plants, small trees, rare viewing stones and Japanese scrolls provide balance to the individual displays. Mame Bonsai (trees under six inches in height) in tiny decorative pots are an added attraction.

PENNSYLVANIA DEPARTMENT OF ENVIRONMENTAL RESOURCES

Box 1467, 3rd & Reily Streets
Harrisburg, PA 17120
Patrick Lantz, Chair

AN EARLY PENNSYLVANIA SAWMILL

In colonial America no community could be called self-sufficient without at least one sawmill. In Pennsylvania's forest areas sawmills were built on streams and rivers, also used to transport logs to and from the mill. This replica of an early Pennsylvania "up and down" sawmill has a functional water wheel at one end and is filled with authentic tools. Many species of trees, shrubs, and wildflowers common to the forests of Pennsylvania surround the mill.

PENNSYLVANIA HORTICULTURAL SOCIETY ROSE GARDEN

325 Walnut Street
Philadelphia, PA 19106
Star Roses donated by: The Conard-Pyle Company
West Grove, PA 19390

ROSE REFLECTIONS

This contemporary rose garden setting features a multitude of varieties suitable to the home garden. Hybrid tea roses include First Prize, Garden Party and Tropicana. First Edition and French Lace are among the floribundas displayed. Miniatures such as Bo-Peep, Starina, and Pixie Delight complete the setting.

THE PENNSYLVANIA HORTICULTURAL SOCIETY SCULPTURE GARDEN

325 Walnut Street
Philadelphia, PA 19106
Sculpture by: Jim Lloyd
2000 S. College Avenue
Philadelphia, PA 19121

Plants donated by The Conard-Pyle Company,
West Grove, PA 19390

CONTEMPORARY CONTEMPLATION

A setting in the year 2000 depicts a sculpture garden on a weekend country retreat far away from the fast pace of

the weekday business world of the city. The garden is designed to induce tranquil relaxation. The undulating lawn has been molded to provide pockets and pedestals for sculpture placed to be viewed from various vantage points. Favorite plants are featured in new varieties available for futuristic gardeners. A comfortable pavilion cantilevered over a pool with sculpted fountain provides the perfect place for contemporary contemplation.

PENNSYLVANIA NURSERYMEN'S ASSOCIATION, INC.

234 State Street
Harrisburg, PA 17101
Staged by: Harris M. Bieberfeld
Box 458
Green Lane, PA 18054

COLONIAL GARDEN UPDATE

Herbs, fruit trees and vegetables fill rustic colonial raised beds accented by hedges, flowering shrubs and antique-style brickwork. Contemporary angles maximize this garden's efficiency and privacy. Harmonious colors and contrasting textures enhance this historic perspective of gardening in colonial times.

PENNSYLVANIA STATE UNIVERSITY

Neshaminy Manor Center
Doylestown, PA 18901
Richard A. Bailey, Chair

ACCENT ON ANNUALS

Throughout the growing season annual flowers add an array of colors to the garden. Here annuals take advantage of their many textures, sizes, forms and colors in both the foliage and flowers. The background of evergreen and woody plants helps to impart a degree of permanence to this exhibit.

THE PHILADELPHIA CACTUS AND SUCCULENT SOCIETY

3 Rockridge Road, Castle Rock
Newtown Square, PA 19073
William D'Angelo, Chair

OUR SPINY FRIENDS AND THEIR KIN

The Philadelphia Cactus and Succulent Society exhibit illustrates the range of types of succulents available. Desert, grassland and epiphytic plants of various forms from a variety of habitats are shown in their natural environs.

PHILADELPHIA ELECTRIC COMPANY

4040 Chestnut Street
Philadelphia, PA 19104
Warren E. Baumgartner, Chair

UTILIZATION OF RENEWABLE ENERGY SOURCES – THE SUN

View three methods of solar heating based on Philadelphia Electric's ongoing research in solar energy. A

continued on p. 50

Treasures Of The Academy

AN EXHIBITION

JUNE 12-SEPTEMBER 6, 1982

Fossils owned by President Thomas Jefferson. Plants collected on the Lewis & Clark Expedition. The world's largest gem amethyst. Rare birds, plus hundreds of other fascinating specimens from the Academy's own spectacular collections.

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Exhibitors

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Trombe wall with vents at top and bottom and covered by an exterior glazing supplies supplemental heating to the living space. The greenhouse absorbs solar radiation during the winter. The solar collectors located on the roof are used for heating the domestic hot water supply.

PHILADELPHIA WATER DEPARTMENT

1140 Municipal Services Building
15th & J. F. Kennedy Boulevard
Philadelphia, PA 19107
Dianne D. Garvey, Chair

PHILORGANIC

From this educational exhibit visitors will see how composted products are used on a large scale in horticulture, agriculture, and land reclamation. In the house and yard scene the visitor will identify Philorganic products and gather information on the Philadelphia Water Department's ongoing recycling programs.

PHILLY PHLOWERS

2050 E. Orleans Street
Philadelphia, PA 19134
Tom Seiler, Chair

PHILLY PHLOWERS

Observe a minor miracle of year-round gardening. This exhibit demonstrates ways to convert a room in your home or your basement into a greenhouse through the use of fluorescent light.

GEORGE ROBERTSON AND SONS, INC.

8501 Germantown Avenue
Philadelphia, PA 19118
Bruce Robertson, Chair

PICNIC FANTASY

Imagine the most secluded, peaceful, unspoiled setting possible, trees, ferns, flowers, water, solitude. Add a table with floral decorations, topiary forms and greenery of different types. This make-believe setting provides the backdrop for that very special encounter. The intent is not of realism, but rather a natural setting using a variety of horticulture to create pure fantasy.

ROSADE BONSAI STUDIO

303 Ely Road, RD 1
New Hope, PA 18938
Lynn J. Porter, Chair

BONSAI WORKHOUSE

A Japanese style workhouse, where bonsai are created, maintained and then placed in a garden setting to be viewed and enjoyed. Working bonsai demonstrations will take place each day during the Show.

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STAR® Quality...

...has been our tradition for nine decades. Back then our work was done by hand, wheelbarrows or mule. And Star Roses were greenhouse grown from cuttings instead of outdoors on today's hardy, vigorous rootstocks.

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When we began growing and selling other hardy ornamental plants our goal stayed the same—to give you the best quality for your money.

And when it comes to the introduction of new and exciting kinds of roses and hardy ornamentals, we are guided by the same goals

and beliefs. From the world's most popular rose, Peace, to one of the most stunning of the newer roses, PARADISE™ (variety: Wezeip), to a whole new world of hollies, the hardy Blue Hollies, we have done our best to bring you the best.

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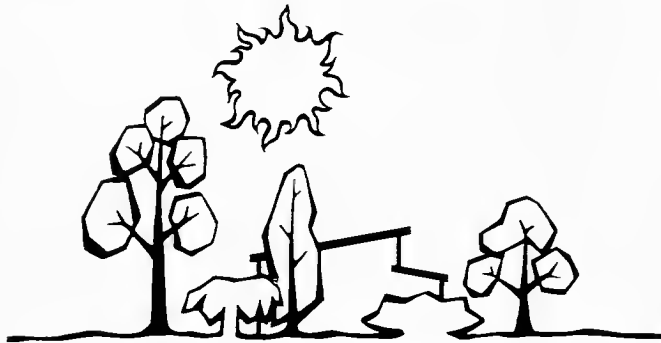
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Exhibitors

listed alphabetically
cont'd. from p. 50

ROSES, INC.

Lewis Reiniger, Chair
Staged by: Randall-Morris Florists
39 West State Street
Doylestown, PA 18901

ROSES FOR PENN'S PARTY

Roses, Inc. promotes the thought of using cut roses inside and out by offering a brilliant range of colors and varieties of cut roses in this party design.

ROSE VALLEY NURSERIES, INC.

684 S. New Middletown Road
Media, PA 19063
Wayne R. Norton and John J. Blandy, Co-Chairs

STIMULATE THE SENSES – A GARDEN ENTRANCE TO COME HOME TO

This garden walk is an exciting passage to a pool surrounded with color. Planting beds of daylilies frame the gate. Special plants include an espaliered cedar, a delight in form and texture. Fragrances and exciting textures offer a lingering memory as you start your day and a subtle uplift at evening's end.

W. B. SAUL HIGH SCHOOL

7100 Henry Avenue
Philadelphia, PA 19128
Robert J. Hunter, Chair

FOOD FOR AMERICA

"Food For America" depicts life on Saul Annex, a visitation farm, with landscaped barnyard, farm animals, field crops, fruits and vegetables. Agriculture is the leading industry in the nation and the second largest industry in the state of Pennsylvania. Food and fiber production must expand to meet the needs generated by population growth and foreign demands. Saul demonstrates why a dependable supply of skilled workers is essential to the agricultural economy in our state and nation.

SNIPES FARM & NURSERY

US Rt. 1 at Route 13
Morrisville, PA 19067
Robert W. Thomas, Chair

PRIDE OF BUCKS COUNTY

"Pride of Bucks County" harmonizes a contemporary garden with the ruins of a century-old Bucks County barn wall. Surrounding the inner garden are informal plantings that thrive in Bucks County. The dominant color note is sounded by red tulips, named "Pride of Bucks" in honor of Bucks County, Pennsylvania.

J. FRANKLIN STYER NURSERIES

US Route 1, P.O. Box 98
Concordville, PA 19331
Roland Taylor, Chair

LOOKING BACK

Looking from the early settler's home toward Pennsyl-

continued on p. 55



As Philadelphia enters
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and proud to be a part
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Exhibitors

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cont'd. from p. 52

vania's rolling, forested hills, spring is colorful with dogwood, mountain laurel, and native azaleas. Today's owner has preserved a nostalgic view of the springhouse and pasture adding additional color with plantings of perennials and bulbs.

SUN COMPANY

100 Matsonford Road
Radnor, PA 19087
Tilly Cammarota, Chair

WELCOME TO SPRING

The Sun Company exhibit, above the escalators of the main entrance, greets visitors headed for springtime at the Philadelphia Flower Show. As they descend to the main floor of the Show they will see an enormous flower basket complete with butterflies in motion.

THE TAYLORS OF PENNY HILL

2123 Concord Pike
Wilmington, DE 19803
William R. Taylor, Chair

COUNTRY KITCHEN

Let flowers, plants and dried materials brighten your kitchen. They add color and warmth to make it a creative, fun place to prepare and enjoy your meals. The display shows how plants provide a warm, hospitable atmosphere for family and friends.

TELEFLORA

Joseph Genuardi, Chair
Staged by: Joseph Genuardi Florists, Inc.
410 East Fornance Street
Norristown, PA 19401

TELEFLORA – THE PULSEBEAT OF FLOWERS-BY-WIRE

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Department of Horticulture & Landscape Design
Meetinghouse Road
Ambler, PA 19002
Glenn B. Geer, Chair

WATERWISE GARDENING

"Waterwise Gardening" presents ideas that you can use to conserve water during dry weather. The exhibit explains why water is important to plants and presents the "how" and "when" of watering your plants. An informed resourceful gardener can be successful in spite of adverse conditions.

continued on p. 56

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TERCENTENARY GARDENS COLLABORATIVE

9414 Meadowbrook Avenue
Philadelphia, PA 19118

Exhibit Coordinator: Morris Arboretum of the
University of Pennsylvania
Elizabeth D. Hume, Chair

**CHANGING IMAGES OF THE GARDEN: 300 YEARS
OF HORTICULTURE IN THE DELAWARE VALLEY**

Visitors enter a conservatory anchoring three gardens depicting the changing images of three centuries of gardening in the Philadelphia area. The view from the conservatory evokes the tranquil mood of early garden styles and moves to more contemporary garden designs.

In the first century function was the key word. Settlers brought plants from their native lands and used them with American plants for food and medicine. In the second century, gardens became ornamental and recreational, elaborately designed with the latest plant introductions from abroad. In the third century, the modern and contemporary period, plants are blended for form and function.

**Tercentenary Gardens Collaborative
Participating Institutions**

- Academy of Natural Sciences
Ambler Campus, Temple University, Dept. Horticulture & Landscape Design
- Appleford Association
- Awbury Arboretum
- The Arboretum of the Barnes Foundation
- Bartram's Garden/The John Bartram Association
- Bowman's Hill Wildflower Preserve
- Brandywine Conservancy/Brandywine River Museum Chanticleer
- Delaware Valley College of Science & Agriculture
- Fairmount Park Horticultural Center & Japanese House
- Gardens of Independence National Historical Park
- Haverford College Arboretum
- Henry Foundation for Botanical Research
- Longwood Gardens
- Longwood Graduate Program, University of Delaware
- Meadowbrook Farm
- The Morris Arboretum of the University of Pennsylvania
- Nemours/The Nemours Foundation
- Pennsbury Manor/Pennsylvania Historic & Museum Commission
- The Pennsylvania Horticultural Society
- Philadelphia Committee, Garden Club of America
- Philadelphia Zoological Garden
- The Arthur Hoyt Scott Foundation, Swarthmore College
- Swiss Pines/The Bartschi Foundation
- John J. Tyler Arboretum
- Wallingford Rose Garden
- Winterthur Museum & Gardens
- Wyck/The Wyck Association
- Exhibit installation and plants by:
 - Gale Nurseries
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 - Gwynedd, PA 19436
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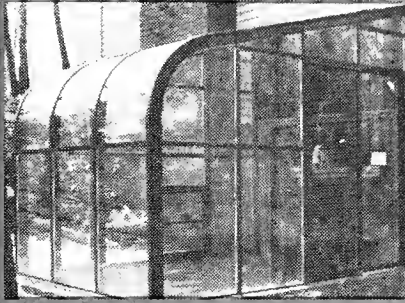
7 EAST STENTON AVENUE
PLYMOUTH MEETING, PENNSYLVANIA 19462

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continued on p. 58

The Greenhouse Center/China & Garden

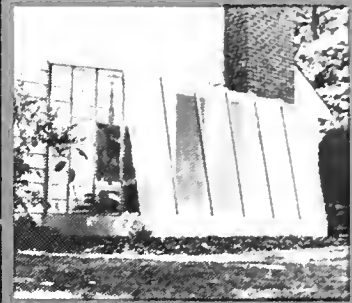
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VICK'S WILDGARDENS, INC.

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Albert F. W. Vick, Jr., Chair

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200 North Whitford Road
Exton, PA 19341
Roberts LeBoutillier, Chair

A COUNTRY GARDEN

The remains of an old Chester County barn provide a natural setting for this restful patio garden. Beds of colorful flowers and terra cotta containers enhance the beauty of this setting. The redwood arbor and the rustic flagstone create a tranquil area for entertaining and outdoor living. Yesterday's creations have been changed for today and are ready for the use of tomorrow.

WHITEMARSH LANDSCAPES, INC.

7 East Stenton Avenue
Plymouth Meeting, PA 19462
Stanley M. Leighton, Chair

SEVENTEEN STRAWBERRY STREET CIRCA 1682

This residence and garden have been restored to give the impression of antiquity. The garden design follows functional lines as it may have been planted originally. Although modern plant hybrids have been used, the overall effect could have existed here 300 years ago. Early Philadelphians brought European plants and ideas with them and their influence is still present in our modern gardens. (Be sure to visit Seventeen Strawberry Street Circa 1982, staged by Percy Brown Nursery.)

ZOOLOGICAL SOCIETY OF PHILADELPHIA

34th Street and Girard Avenue
Philadelphia, PA 19104

Charles W. Rogers, Jr. and Arlene Flick, Co-Chairs

GROVE OF TALL PINES

View the countryside of the last half of the seventeenth century as it would have appeared to William Penn and his Quaker settlers – a native woodland scene featuring pines, laurel, rhododendron, dogwood, serviceberry, and marshland providing an appropriate setting for a recreated Nanticoke – LenniLenape Indian campsite.

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The Joys and Terrors of Exhibiting in the Philadelphia Flower Show

by Peggy Bowditch

On a sunny day in mid-February, Patter Peterson, Mary Schwartz and I carried 80 plants into my dining room to do a practice run for our entry in the Sunny Windowsill class at the 1981 Flower Show. Potting soil spills and is ground into the rug as we try out different plants, arranging then rearranging them on a mock windowsill. We can't take too long as Patter and Mary must be able to get their plants home before the temperature drops late in the afternoon. Finally weariness rather than complete satisfaction settles all issues. The three of us have grown the 80 plants and today we've culled them for 40 to use in the exhibit. Someone snaps a picture while another makes a detailed drawing of just what goes where on the windowsill. As we'll have only two hours to set up at the Show these visual aids will be great time-savers. We make final plans as to who will type the plant list, who will make the labels for each plant, bring a ladder, hooks and fishing line for the hanging baskets. We remembered the extra potting soil and top dressing and extra pots and plants in case there's a disaster on the way in. Of course all plants will be groomed with damaged or dying leaves carefully removed and pots spotless.

Entering the Flower Show had been easy. Six months earlier we had merely signed up to fill one of six spaces in Class 320. It was described in the schedule as "Windowsill. Compatible plant material suitable for fall, winter and spring growing in a sunny window." As we'd all worked on various windowsill entries over the years, we were considered "old hands." But then you age quickly in Flower Show competition. We knew the rules and knew that all plants we might use in the March 1981 Show had to be in our care by December 1, 1980. Our plan was to show a collection of succulents, and we had lots of rather nice ones. Many had been in our last Flower Show exhibit in 1979 and had grown and improved with age. It is less chancy and not so nerve-racking to use plants you've grown for at



Echeveria setosa used in the exhibit

least a year and know will survive the winter in your particular growing conditions. We did make one buying trip in the fall to look for some special new plants and pick up a few extras to hold in reserve. Not all plants, even the relatively tough succulents do well in a Philadelphia winter when the sun is weak and the days are short. Lack of light caused my red-edged echeverias to lose their color so they were whisked off the windowsill and put under my fluorescent plant lights to recover their former glory. We hoped a few plants might be in bloom, and we attempted to time the flowers for the Show. Plants were moved from cool to warmer spots to hurry the flowers along but to no avail. Luckily our exhibit never depended on flowers as the succulents have lovely foliage colors that are quite decorative.

bugged by bugs

Some very tense days came when two of us discovered mealybug infestations. Affected plants were isolated but succulents are difficult to treat as

many are harmed by the standard insecticides. We attacked with alcohol on Q-tips and wiped out the mealybugs. As soon as that outbreak was under control some aphids appeared and several affected plants had to be discarded.

During the winter we examined the many instruction sheets sent to exhibitors by the Pennsylvania Horticultural Society. Windowsill entrants are required to write a statement of intent describing for the judges and public just what they are attempting to do.

continued

EXHIBITORS' INTENT

WE HAVE GROWN SUCCULENTS (INCLUDING CACTI) ON SUNNY WINDOWSILLS AND UNDER FLUORESCENT PLANT LIGHTS. THESE SUCCULENTS ARE FROM SEVERAL PLANT FAMILIES AND SHOW DIFFERENCES IN FORM AND TEXTURE. THE LEAF AND STEM CUTTINGS IN THE BOX ILLUSTRATE METHODS OF PROPAGATION.



The Sunny Windowsill entry of Bowditch, Peterson and Schwartz in the 1981 Flower Show.



The cutting box shows propagation of succulents using both leaf and stem cuttings.

Part of our stated intent was to list the different plant families represented in our collection. After some research we found our specimens were from 10 separate plant families. We also thought it would be fun, interesting and educational to show different

methods of propagating succulents by featuring a cutting box with both leaf and stem cuttings. My own cuttings ordinarily take root obligingly in utilitarian containers. I didn't feel, however, that we should feature those recycled aluminum foil pans and milk

JUDGES' COMMENTS

SMASHING PLANT MATERIAL – POTS SPOTLESS AND ARTISTICALLY GROUPED. PLANTS COMPATIBLE AND IN EXCELLENT CONDITION. LABELING ESPECIALLY GOOD.

cartons in the Flower Show. But a lucky stop at a plant shop turned up a shallow rectangular clay container perfect for cuttings and handsome as well.

In the 1981 Show the Sunny Windowsill entries were to be in the Show from Tuesday until Friday. All too quickly that Tuesday was upon us and I arose at 4:30 A.M. Having packed my plants into cartons the night before, I rechecked them against my list of what I was supposed to bring. I ate breakfast listening to the weather forecast and noted the temperature

on our outdoor thermometer. Luckily it was not cold enough to require more than a light covering for the plants. I warmed up the car so they wouldn't be chilled en route. Then the car was packed with the cartons wedged in tightly so that nothing could slide around. Is there anything more nerve-wracking than the sounds of sliding cartons and toppling plants as you are braking and turning on the highway?

It was 6:15 as I drove off, leaving a dark house. My husband and children got their own breakfasts and walked to trains and trolleys the week of the Show. As I left, dawn was breaking and the traffic was moving well and I opted for the Expressway route to town. I detoured to Center City to pick up a friend who could be trusted to take care of my other Flower Show entries while I was busy at the windowsill. We arrived at the Civic Center and unloaded the car. I was relieved to see that Patter and Mary had made it in safely with their plants and supplies. We moved all our things into the windowsill staging area. Our space was being emptied of its previous entry, but by 7:30 we began to set up. The allotted two hours flew by as we placed the plants according to plan. Patter and Mary, more artistic than I, stepped back from time to time to look at the overall effect and we rearranged a bit. Next labels went in; we checked to be sure that the numbers corresponded to the names on our botanical listing sheet. Finally top dressing was added so that soil surfaces could be covered with a fine gravel called traction grit.

When we finished a member of the

Passing Committee checked to see that our entry met the requirements of the class, that our plant names were correct and that the plants were free of bugs. After passing, we packed up extra plants and supplies and took a long look at the competition. Several were awfully good.

At 10 o'clock the judges swept in with their retinue of clerks and rope holders. For an hour they moved up and down, looking at the windowsills and conversed in hushed tones. I find this process too tension-producing and headed down to the commercial

part of the Show to do some browsing. When I returned I found the judges were still at it. Then suddenly they walked off, having awarded our windowsill the coveted blue ribbon. Over the years we've worked on windowsills that have been rewarded with every color ribbon but blue. What a thrill at long last and how excited we were.

Peggy Bowditch is an instructor in the Horticultural Department at Temple University, a teacher in several adult education programs and a garden club lecturer. She is a frequent exhibitor at the Philadelphia Flower Show.

**plant list
for windowsill exhibit**

AIZOACEAE (Carpetweed Family)

1. *Rhombophyllum nelii* (elkhorns)
2. *Titanopsis fulleri*

APOCYNACEAE (Dogbane Family)

3. *Pachypodium lamieri*
(Madagascar palm)

ASCLEPIADACEAE (Milkweed Family)

4. *Huernia* sp.

CACTACEAE (Cactus Family)

5. *Cleistocactus jujuyensis*
6. *Echinocactus grusonii* (barrel cactus)
7. *Mammillaria elegans*
8. *Mammillaria elongata*
(golden-star cactus)
9. *Notocactus leninghausii*
10. *Opuntia linguiformis* 'Maverick'

COMPOSITAE (Sunflower Family)

11. *Senecio haworthii* (cocoon plant)

CRASSULACEAE (Orpine Family)

12. *Adromischus cristatus*
13. *Adromischus schuldianus*
14. *Aeonium goochiae*
15. *Crassula argentea* 'Minima'
16. *Crassula cultrata*
17. *Crassula falcata*
18. *Crassula justii-corderoyi*
19. *Crassula lycopodioides* (watch chain)
20. *Crassula mesembriantheopsis*

21. *Crassula sarcocaulis*

22. *Crassula schmidtii*
 23. *Crassula turgida*
 24. *Echeveria agavoides*
 25. *Echeveria elegans*
 26. *Echeveria hybrid(s)*
 27. *Echeveria nodulosa*
 28. *Echeveria* 'Paul Bunyan'
 29. *Echeveria* 'Pixie'
 30. *Echeveria setosa*
 31. *Echeveria shaviana*
 32. *Monanthes elegans*
 33. *Sedum hybrid*
 34. *Sedum x rubrotinctum* 'Aurora'
- ECUPHORBIACEAE (Spurge Family)**
35. *Euphorbia fimbriata*
 36. *Euphorbia submammillaris* 'Pfersdorffii'
 37. *Euphorbia trigona* (African milk tree)

GERANIACEAE (Geranium Family)

38. *Pelargonium dasycaule*
39. *Pelargonium echinatum*
(cactus geranium)

LILIACEAE (Lily Family)

40. *Haworthia cooperi*
41. *Haworthia eilyae*

PORTULACACEAE (Purslane Family)

42. *Anacampseros rufescens*

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"Sometimes it feels like we're having a community get-together in the country," marveled Plant Place owner Gary McClain. "People have the best time wandering up and down the aisles, telling plant stories to perfect strangers, getting dirt on their shoes!"

For all the high-spirited informality, it's still the prospect of saving a bundle that has people coming back to the greenhouse on a regular basis. Besides the staggering inventory of plants of all sizes and descriptions, there are loads of accessories, pots, hangers, plant foods and literature.

For anyone who brings in a sickly plant, a free "outpatient" plant clinic is on hand to bring it back to health. And real bargain hunters can always save 50% on the Special of the Month!

McClain likes to feel he's made a real contribution to solving the nation's economic woes. "For us, business is great," he beams. "So much for recession! For our customers, the savings are great. So much for inflation!" It's an arrangement that suits area plant lovers just fine.

The largest Sunflower on record measured 8 feet across from petal to petal. Source: The Pinnochio Book of World Records.

Saturday is a good day to save 40% and have a grand old time plant shopping at the Plant Place Greenhouse, down Seville St. at 5500 Ridge Ave., in Roxborough. (Lost? Call 487-3800) Open 10 to 5. The 21st & Walnut St. store open Mon. thru Sat. 10 to 5:30 Sundays, noon to 5.

Seed



Attention to quality is the key to Mostardi's success. Most plants are grown here in our own greenhouses to ensure the health and quality of each plant. As a result, Mostardi's features one of the area's largest assortments of flowering hanging baskets during spring and summer, as well as your favorite perennials, vegetable plants, garden mums and more.

Soil



Mostardi's offers a full selection of only the finest in brand name garden supplies, fertilizers and other products. Our Garden Shop features a distinctive array of pottery, baskets and decorative plant accessories to enhance the beauty of your plant decor both indoors and out. Remember, Mostardi's staff is always ready to help you achieve the best results from everything we sell.

Sun



Beautiful plantings begin with the expert advice of Mostardi's professional horticulturists. We'll show you the way to become a "bloomin' success" by helping you select the right plants for your home landscaping needs. Choose from our large selection of healthy, quality shrubs, trees, roses and groundcovers . . . all ready to grow and to beautify your home.



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Trade Booth Exhibitors

Booth Number	Exhibitor	Booth Number	Exhibitor	Booth Number	Exhibitor	Booth Number	Exhibitor
101	A & A Bazaar 575 General Knox Road King of Prussia, PA 19406 Baskets	110	Cottage Crafts 289 Lancaster Pike Frazer, PA 19355 Dried Flower Arrangements, Silk Flowers, Miniatures for Terrariums	21	Far Out Cactus 1027 Lenape Road West Chester, PA 19380 Potted Cacti & Succulents	15a	Great Swamp Pottery 16 Lord Stirling Road Basking Ridge, NJ 07920 Pottery, Plants, Macrame, Sculpture
55	A.B.G. Co. P.O. Box 227 Brightwaters, NY 11718 Potted Plants	120	Jim Dalton Garden House 121 Co. 122 906 Cottman Avenue 123 Philadelphia, PA 19111 Garden Houses, Gazebos	17	Fischer Greenhouses 18 Oak Avenue Linwood, NJ 08221 Violets, Linwood Hardy Azaleas	53	GreenHealth Corp. Route 1, Box 357, Orchard Road Monticello, MN 55362 Klima-Gro Manufacturers
83	Alten's Exotic Plants 876 Phillips Road Warminster, PA 18974 Plants, Pottery	4	The Dannon Company 22-11 38th Avenue Long Island City, NY 11101 Yogurt	73	Flowers by Dotti 412 Macdade Boulevard Milmont Park, PA 19033 Fresh Cut Flowers	85	H & H Sales 86 P.O. Box 155 Altamanta Springs, FL 32701 English Foil Pictures, Old English Lavender
72	American Holly Products, Inc. P.O. Box 754, Route 49 Millville, NJ 08332 Holly Products	84	Decor Shoppe 4532 Maize Road Columbus, OH 43224 Dried Flowers, Birds, Baskets, Ceramics, Accessories	112	Flower Hut 110 Deer Path Lansdale, PA 19446 Fresh Cut Flowers	56	H. S. Sales 57 7514 Sherwood Road Philadelphia, PA 19151 Jewelry & Magnets
58	American Standard Co. 1 West Street, P.O. Box 326 Plantsville, CT 06479 Ratchet Cut Pruning Tools	52	DeJager Bulbs, Inc. 188 Asbury Street South Hamilton, MA 01982 Bulbs	69	William H. Frederick, Inc. 8605 Germantown Avenue Philadelphia, PA 19118 Contemporary Furniture, Garden Tools	54	Haarlem Bulb Co., Inc. 3271 Baseline Road Grand Island, NY 14072 Imported Bulbs & Plants
15b	Anything Groes Welsh & McKean Roads Spring House, PA 19477 Orchid babies, Bonsai, Anything Groes Pots, Mini Roses, other plants	35	Delchem Sales, Inc. 940 N. Delaware Avenue Philadelphia, PA 19123 Garden Life Organic Fertilizer/Soil Conditioner	98	Frontier Fruit & Nut Co. 482 Somerset Road Akron, OH 44313 Dried Fruits & Nuts	33	Happy Glass 2865 Walnut Hill Street Philadelphia, PA 19152 Leaded Stained Glass Suncatchers
78	W. Graham Arader, III 1000 Boxwood Court King of Prussia, PA 19046 Flower Prints and Books	19	Denison's Greenhouses 20 Sproul & Beatty Roads Springfield, PA 19064 African Violets and Horticultural Products	61	Gaudio Brothers, Inc. 62 One Woodhaven Mall 75 Cornwells Heights, PA 19020 76 Houseplants	31	Hawaiian Nurseries Box 51 Brooklyn, NY 11235 Totem Pole, Ti Log, Ginger
68	94 The Blue Tree Garden Center 95 1728 Pheasant Lane Norristown, PA 19403 Hanging Baskets, Foliage, Plants, Cactus and other plants	36	Edelweiss Gardens Box 66 Robbinsville, NJ 08691 Orchids and Ferns	10	The G Boys, Inc. 11 Rt. 70 & Cropwell Road 12 Marlton, NJ 08053 Houseplants & Supplies	28	The Heat Shed, Inc. Rock Ridge Road Revere, PA 18953 Multi-fuel Furnaces, Solar Panels
81	Brown's Miniatures P.O. Box 35 Cambridge, NY 12816 Honey, Miniatures, Dollhouses, Bees	99	Emma's Farm & Garden 100 Center White Horse Pike, Elwood Hammonton, NJ 08037 Plants & Hanging Baskets	88	Globe Enterprises 961 Stafford Drive Toms River, NJ 08753 Kendo Mop	114	Hickory Farms of Ohio 900 Jefferson Road Rochester, NY 14623 Beef Stick, Cheese, Mustard
50	Caprilands Herb Farm 51 Silver Street Coventry, CT 06238 Herbs & Herb Products	41	Encyclopaedia Britannica 425 North Michigan Avenue Chicago, IL 60611 Encyclopaedia Britannica, Related Publications	29	Richard Graber 7412 Bingham Street Philadelphia, PA 19111 Kodak Film, Pussywillows	25	Holland Imports 4729 Ramona Avenue Philadelphia, PA 19124 Holland Imports
113	China and Garden 2011 Marlton Pike Cherry Hill, NJ 08002 Richardson Conservatories	40	Energy Department Store 309 Arch Street Philadelphia, PA 19106 Sunplace Greenhouse, Conservation and Renewable Products	90	Gravely Tractors 91 One Gravely Lane 104 Clemmons, NC 27012 105 Tractors	96	International Housewares 1790 S. Treasure Drive N. Bay Village, FL 33141 T-Fal Non-Stick Cookware
111	Cord Crafts Box 595 West Paterson, NJ 07424 Hangers, Macrame, Preserved Ferns, Glass Planters						

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47	Joy Associates Box 144 Telford, PA 18969 Plants & Hanging Baskets	82	Nature's Miracle P.O. Box 284 Meshoppen, PA 18630 Nature's Miracle Soil Conditioner, Herb Seed Kits	38	The Plant Place 2100 Walnut Street Philadelphia, PA 19103 Plants	39	The Tree House Box 82 Hilltown, PA 18927 Chandling & Planting
25	Kirkwood's Flowers Box 394 Montgomeryville, PA 18936 Fresh Cut & Dried Flowers	9	J. A. Nearing Co., Inc. 9290 Davis Avenue Laurel, MD 20810 Aluminum and Glass Greenhouses	87	Plant Research Laboratories 252 Dupont Drive Irvine, CA 92713 Oxygen Plus Indoor Plant Food	63	Vegetable Factory, Inc. 71 Vanderbilt Avenue New York, NY 10109 Solar Panel Greenhouses
26	Kremp's Flowers & Plants 220 Davisville Road Willow Grove, PA 19090 Cut Flowers	67	Ohio Dairyland Cheese Co. 482 Somerset Road Akron, OH 44313 Gourmet Cheeses & Meats	70	The "Plant" Smiths R.R. 4, Box 294 Sewell, NJ 08080 Exotic Cacti, Succulents, Plants	74	Virginia Travel Council 7619 Brook Road Richmond, VA 23227 Virginia Travel & Vacation
7	Orol Ledden & Sons Center & Atlantic Avenues Sewell, NJ 08080 Seeds	116	Orchid Group % Kris Cox 1407 Murray Avenue Pittsburgh, PA 15217 Orchids	3	Plume Orchids 888 Welsh Road Maple Glen, PA 19002 Orchids	118	Vosters Nurseries & Greenhouses South & Franklin Avenues Secane, PA 19018 Bonsai, Topiaries, Miniature Roses, Gardenias, Nursery Stock, Containers
1	Lord & Burnham % Robt. J. LaRouche 228 Poplar Avenue Wayne, PA 19087 Greenhouses	117	The Oriental House 176-21 80th Road Jamaica Estates, NY 11432 Bonsai Plants, Vases, Flower Arrangement Accessories, Mobiles, Mugs, Wind Chimes, Oriental Gift Items	115	Pottery Unlimited 87 Grandview Avenue Trenton, NJ 08620 Hand Painted Ceramics, Pottery, Wrought Iron Planters, items from Mexico	119	Wallingford Rose Gardens Box 52 Wallingford, PA 19086 Hollies, Mahonia
5	Martins Aquarium, Inc. 101 Old York Road Jenkintown, PA 19046 Coral, Shells, Aquatic Plants, Birds	43	Ott's Exotic Plants, Inc. 901 Gravel Pike Schwenksville, PA 19473 Plants	97	Rosehill Farm Gregg Neck Road Galena, MD 21635 Miniature Roses	16	Walpole Woodworkers, Inc. 767 East Street Walpole, MA 02081 Outdoor Cedar Furniture, Storage Buildings
6	McTaggart Associates 909 Longmeadow Street Longmeadow, MA 01106 Flower Arranging Supplies	37	The Paper Pad 8 West State Road Media, PA 19063 Live Flowers, Gift Wares	34	Serotkin Leather & Silver Smith RD 2, Box 134 Three Springs, PA 17264 Leather, Feather Art & Silversmithing	44	Well-Sweep Herb Farm Mt. Bethel Road Port Murray, NJ 07865 Herbs & Dried Flowers
07	Miller's Plants 1810 E. County Line Road Huntingdon Valley, PA 19006 Plants	92	Pella Window & Door Co. 1965 Miles Avenue Cleveland, OH 44128 Windows & Doors	102	Swiss Maid Fudge Company 482 Somerset Road Akron, OH 44313 Homemade Fudge, Candies	45	Westminster Export Co., Inc. 975 Chattahoochee Avenue, NW Atlanta, GA 30318 Zyliss Repair Vise
08	Mini Handcrafts Boutique 69th Street Terminal Upper Darby, PA 19082 Handicrafts from Around the World	66	Pennsylvania Horticultural Society Membership Booth 325 Walnut Street Philadelphia, PA 19106	103	Tinari Greenhouses 2325 Valley Road Huntingdon Valley, PA 19006 African violets	46	Wincopia Farms 10010 Gorman Road Laurel, MD 20707 Cacti, Succulents
42	Modern Products Co. 333 Henry Hudson Parkway Riverdale, NY 10463 French Multi Baskets	127		28		59	Woodland Pottery 820 Fordham Street Delran, NJ 08075 Stoneware Pottery

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