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BULLETIN *of the*

AMERICAN IRIS SOCIETY

NUMBER 176

JANUARY 1965

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# THE BULLETIN *of the* AMERICAN IRIS SOCIETY

NO. 176

JANUARY 1965

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Communications regarding editorial matters should be addressed to Mr. J. Arthur Nelson, 3131 North 58th Street, Omaha, Nebr., 68104. For information about membership, advertising rates, and back issues, see page 3.

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# THE AMERICAN IRIS SOCIETY

A non-profit institution incorporated Feb. 2, 1927, in the County of Philadelphia, State of Pennsylvania. By the terms of the Charter, the Corporation has no stockholders and exists for the sole purpose of promoting the culture and improvement of the IRIS.

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**Cover Sketch:** The front cover of the January BULLETIN is reproduced from a sketch from the pen of William Jon Krasting of Cherry Hill, New Jersey, and is entitled, "Hello, My Sleeping Beauties!"

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The conditions under which a special-interest group may become a Section for AIS are—

1. The American members of the society must be members of AIS.
2. Its bylaws must be approved by the AIS.
3. Participation in the AIS registration and award systems is required.
4. Provision for publication of articles of general interest, exclusive of newsletters, may be arranged.

The president of a Section is a member of the AIS Board of Counselors, and societies having Sectional status will be listed in the AIS *Bulletin*.

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The conditions under which a state or local iris society may become an Affiliate of AIS are—

1. Its officers and directors must be members of AIS.
2. Participation in the AIS registration and award system is required.
3. Societies having less than 50 percent of their members belonging to AIS, and meeting the other conditions, will be required to pay an *annual* fee of \$25.00.

The names of societies given Affiliate status will be published in the AIS *Bulletin*.

Inquiries and applications for affiliation should be addressed to Mr. Hubert A. Fischer, Meadow Gardens, 63rd St., Hinsdale, Ill. 60521.

**TO SECRETARIES OF AFFILIATES:** Please report promptly the names and addresses of new presidents to the Editor as well as to Mr. Fischer.

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## BULLETIN DEADLINES

All copy for the January BULLETIN should be in the hands of the Editor by November 15th; all copy for the April BULLETIN should be in the hands of the Editor by February 15. If we are to get a BULLETIN out on time, this is imperative.

## *From the President's Desk*

**A** GAIN, it is that season when we look back over the iris activities of the year and start planning new activities. In a way, it is the best time of the year, for the "rush" is over and we can relax and work out future plans carefully (including crosses to be made next spring).

The Minutes of the Fall Directors' Meeting are to be found elsewhere in this BULLETIN, and every member should read them carefully. We all should be familiar with the actions taken by the Board, for they affect not only the Society as a whole but also us as individual members.

In response to a large number of letters from hybridizers and also from garden judges, your Board voted to amend the Regional Test Garden Program by eliminating the HC award from this program. In the place of the HC Award, a new award has been activated which is to be known as the Regional Test Garden Award. This award is on a par with the HC Award, and can be won only through a Regional Test Garden. All RTG Award winners are eligible to be entered in the National Test Gardens.

All seedlings in a Regional Test Garden receiving five or more votes will receive the RTG Award. Votes cast for a seedling in a Regional Test Garden will be cast by listing the Regional Test Garden Code number on the Awards Ballot, and the decoding will be done by the Awards Chairman in St. Louis. The Regional Test Garden code number will not be decoded for anyone else. This insures a maximum of objectivity in voting, and will enhance the value of the RTG Award.

The HC Award still can be voted to seedlings not in the Regional Test Garden, and the method of voting is the same as in the past. It is permissible for a hybridizer to enter a seedling in his Regional Test Garden and also to send the same seedling to friends in other sections of the country to be grown and evaluated. This makes it possible for a seedling to win both a RTG Award and also an HC Award, an idea which has considerable merit. If a seedling is good enough to win both awards, the more credit to it.

Since the new RTG Award is on a par with the HC Award, there is no increase in the number of basic awards which a Garden Judge may vote for. The total still is ten, which the judges may use as they wish. They may vote for ten HC Awards or ten RTG Awards, or they may vote for any combination of the two as long as the total does not exceed ten.

Basic rules for the Regional Test Gardens are in the process of being worked out, and if they are completed in time they will be published in this issue of the BULLETIN. If not, they will be published in the April BULLETIN, and in the meantime they will be mailed to the RVPs for suggestions and possible changes. The rules will set forth a uniform system of coding for the Regional Test Gardens, and the code number will show the Region in which the Test Garden is located, the year in which the seedling is to be judged, and the code number of the seedling itself. The rules also will cover the number of seedlings a hybridizer may send to a Regional Test Garden each year; the fee, if any, to be charged for returning the seedling and increase after it

has been evaluated; and any other rules considered necessary. Normally, seedlings will be evaluated and voted on the second year, but if weather conditions or other adverse factors have been such that this cannot be done with justice, the seedlings will be held over for a third year. Hybridizers may send seedlings to only one Regional Test Garden unless there is more than one Regional Test Garden in their Region.

It is becoming more and more apparent that we need to start a well balanced research program into the cause, cure and prevention of iris diseases. Such a program will cost a minimum of \$2,500.00 a year, and before it can be started the necessary funds must be raised. It has been suggested that if each member would contribute only one dollar, we would have sufficient funds on hand to carry on such a program for two years. It is your Society. What do you think? Is it a worth while program?

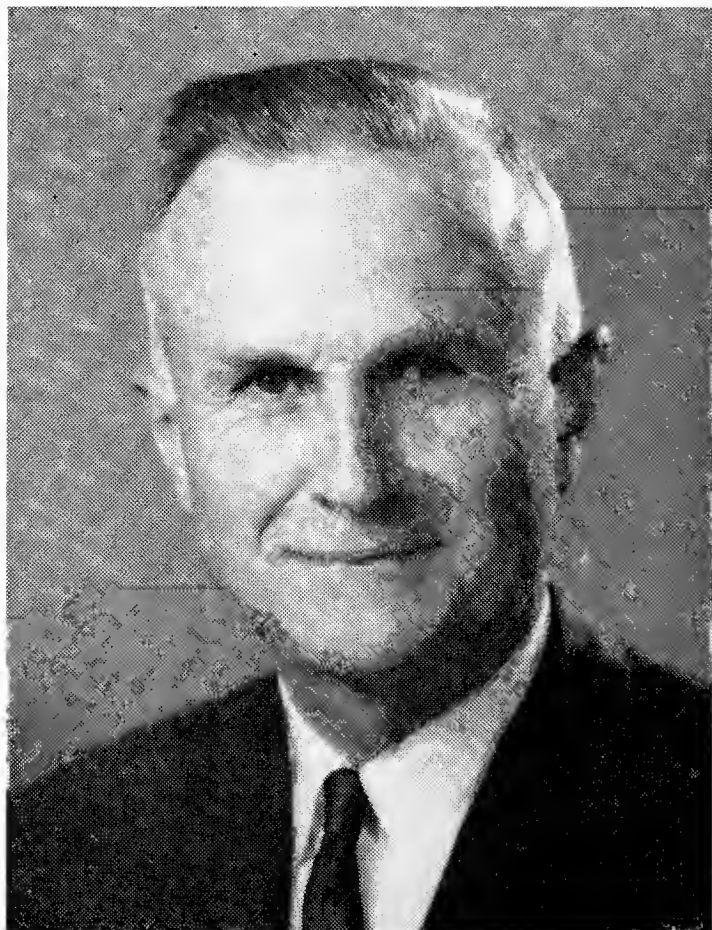
ROBERT S. CARNEY

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## Two New Directors



JOHN A. BARTHOLOMEW



WILLIAM T. BLEDSOE

John Adams Bartholomew was elected by the members of the Society to a three year term on the Board of Directors. He was born in Franklin, Massachusetts, on November 1, 1901; and for forty-seven years he has been employed by the National Shawmut Bank of Boston. At present he is the Assistant Branch Manager of the Mattapan office. He married Hazel L. Dorl in

1919; they have two children, Barbara Jean and John Adams, Jr., and four grandchildren, ages 9 to 19.

The Bartholomews started growing irises in 1934 and joined AIS in 1947. Mr. Bartholomew served as RVP of Region 1 in 1954 and 1955, and has a long and active record of service as a garden judge and a participant in Regional affairs.

In 1956 Mr. Bartholomew was named by the Board to organize the AIS National Round Robin Program, and so capably did he handle this assignment that he later was named chairman of the AIS Robin Committee. The success of this program under his guidance won for him in 1963 the Distinguished Service Medal of the American Iris Society.

Mr. Bartholomew is an accomplished color photographer, and he and Mrs. Bartholomew share a great interest in high fidelity music. They both are interested in hermerocallis, daffodils and lilies, in addition to irises. Mrs. Bartholomew is the hybridizer of the family and has registered several irises.

**William T. Bledsoe** was appointed a Director to fill the unexpired term of Claude C. O'Brien. He was born in Arkadelphia, Arkansas on September 11, 1906, and is an alumnus of Arkansas Teachers College, Conway, Arkansas.

Mr. Bledsoe comes to the Board with a wide range of experience as a farmer, teacher, basketball coach, superintendent of schools, oil field roustabout, sales supervisor, personnel consultant, occupational counselor, vocational adviser, contract negotiator, accountant and auditor. Currently, he is the auditor for the United States Missile Command, Redstone Arsenal, Huntsville, Alabama.

He is an Accredited AIS Judge, was RVP for Region 24 in 1959-60, and a member of the committee for judges' training for AIS. He is the Chairman of the AIS Committee for Revision of the Judges' Handbook, and has conducted seven judges' training schools in five regions in 1964. He grows about 500 of the new varieties of named irises and about 1,000 iris seedlings each year.

He and Mrs. Bledsoe (Mary Lou) have one daughter, and two grandsons and one granddaughter.

Bill remarks, "Until recent years I liked to fish in my spare time. Now I have no spare time."

### **HYBRIDIZERS—IMMEDIATE ATTENTION**

Members attending the Memphis convention will be asked to select their favorites among guest irises in the tour gardens. For the results of a similar poll in Chicago last year, see the July 1964 BULLETIN, pages 45 and 46.

In order for the NEWER GUEST IRISES BALLOT to be as complete as possible, each hybridizer who has sent to this year's tour gardens *registered* irises that have NOT won the HM award, is requested to send the names of the irises in this category, prior to April 1, to the AIS Executive Secretary, Cliff W. Benson, 2237 Tower Grove Blvd., St. Louis, Missouri 63110.

# *The Clan Will Gather at Memphis*

HENRY MITCHELL

The national convention of The American Iris Society will be held in Memphis this year, May 7 through May 10, with headquarters at the Peabody Hotel.

Advance reservations should be made by writing Mrs. Nathan Bauman, 3622 Lakeview, Memphis 16, Tennessee. A check of \$30.00 should be enclosed, made payable to the Memphis Area Iris Society. As all members know, convention arrangements are made easier and things go more smoothly when reservations are made as soon as members can conveniently manage it.

This year there are eighteen gardens to be toured. As these gardens entered the cold weather, all of them reported the plants in splendid condition. Weather is far kinder to irises here than in many parts of America, and as long as thirty years ago it was observed in this very BULLETIN by a great authority that he never saw iris more at home—they seemed to be made for this climate.

The dates are conservative and a trifle late. There is no possibility of a "bud" convention. If I may guess, from several decades of watching irises here, visitors will miss the excitement of the first blooms, and the early varieties will be on the wane. But the great mid-season and late varieties should be in perfection. If our season is early—not that we vary much—visitors will see us at late midseason, and if normal, we will be in full-blown midseason.

A particularly delightful feature of the town is the Ketchum Memorial Iris Garden, where some 700 varieties of tall bearded irises grow. These gardens are adjacent to the building where the iris show will be held, an attraction few cities can boast.

Mr. C. W. Flowers, the convention chairman, announces that Friday night a little cruise on the Mississippi River has been arranged, with catfish and hushpuppies on the menu. The dock is scarcely four blocks from convention headquarters. Tours of gardens begin the next morning, but members should exert themselves to arrive Friday. Lunch has been arranged on the different days at a country club, an outdoor smorgasbord, and an Old South picnic. The Monday night meeting will feature a Kosher banquet at a synagogue. There is little chance of visitors leaving with the complaint that the convention committee performed its duties in a routine and unimaginative way.

As for the gardens, they are mostly small and unpretentious, though some of them are very distinct, and all of them are large enough to contain a representative collection of the finest irises now available in the world.

The president of the American Iris Society, Mr. Robert Carney, has kindly allowed his garden to be on the tour. Like the other gardens, his contains many new things, many unintroduced things. Unlike most other gardeners, he snapped off all bloomstalks this past season, to throw every atom of strength into the plant, depriving himself of blooms last year in order to give an extra push to the blooms this year.

The city, it should be said, has three quarters of a million inhabitants, but is laid out with such a grace that very brief bus rides reach all gardens. Most of the gardens feature plants that commonly bloom with irises here—peonies, pansies, roses, columbine, candytuft, cornflowers, and the like. Some of the gardens are in the country, though reached in less time than it takes to get to the suburbs of many cities; and some are in the woods. Some of them are formal; some have irises packed so closely together there's not room for a bumblebee to get between the flowers. Others with the insolence of space have the clumps luxuriously far apart. None of these gardens even know what a weed is, and how they manage this has mystified me for years.

Some of the gardeners have watched their convention guests bloom, and have been unable to decide which were the loveliest. Others, bolder, direct the visitors' attention to the following, among many others:

*Martin Garden.* LUXURY LINE, tall blue; SKYWATCH, lavender self.

*Bauman.* MODERN TREND, a Melodrama type; 59-22 (Benson), white with a green cast; NATIVE DAUGHTER, pink; DAWN HAVEN, pink with a blue cast; LEMON BOWL, yellow.

*Miller.* MARCUS BAKER, blue-white, white beard; FAIR AND WARMER, white and orange-yellow; LUXURY LINE, frosty white with lace edges and red beard; CENTURY 21, light blue with yellow hafts; SYLVANNA RIGGS, light blue-orchid.

*Marrel.* Two Lyon seedlings, 58-7-4 and 58-7-12; two Dubes-Young seedlings, 58-21-1 and 58-21-2, and a Schreiner seedling S-893-G.

*C. Allen.* DENVER DAWN, large lavender blue; MAIN EVENT, blended muted red; 58-21-1 (Young) dark Edenite type; IRISH LULLABY, large clear pink; two Sexton seedlings, 61-31, golden apricot self, and 60-38, orange with red beard.

*Brinkerhoff.* CORAL ELEGANCE, coral pink and white; S-529-F (Schreiner) black derived from VIOLET HARMONY; NYLON LACE, 61-95 (Sexton) plicata.

*A. F. Allen.* JAVA DOVE, pink amoena; SWAHILI, black; 6095 (Branch) pink plicata; K 30 (Knocke) blue amoena; BARRY MOREL, rose.

*Crenshaw.* Two Noyd seedlings, SPRING LOVE and YES SIR; two Tompkins seedlings, ANGELS' ROBE and SCARLET RIBBON; CRINKLED GEM.

*Scharff.* 15-62 (Lapham) red with brown beard; SEA BORNE, flaring medium blue; STEPPING OUT, deep violet plicata; H-6063 (Hamblen), uncommonly good yellow; SOUTHERN COMFORT, light green.

*Stoval.* All the new things from Hinkle and Reynolds, especially PINK HAVEN, a self.

*Flowers.* All the best things from Cook and Eva Smith.

*Murray.* The new things from Tompkins, including FANCY FROSTING, large powder pink; RUMBLING THUNDER, midnight violet; TOP DOLLAR, yellow; DEEP DAWN, apricot and pink blend; and PAY DAY, yellow.

*Harding.* LUNAR FIRE, golden amber; WINE AND ROSES, rose and wine bicolor; MARIE PHILLIPS, wisteria violet self; 220-C (Evans) yellow standards, lavender falls; MILISSKA, violet neglecta; SIVA-SIVA, brown plicata.

*Sanders.* Like all the other gardens, full of guests and new things; a country garden of exceptional growth, and roses of astonishing height and size also are to be seen here.

*Tipton.* The new Noyd and Palmer things, the Reynolds varieties, including FLUTED HAVEN; ROSA BLEDSOE; ROYAL TAPESTRY: CARVED ALABASTER, white; HOLY CHALICE, chartreuse, and HIGH LIFE.

*Smith.* ULTRAPOISE, bright yellow; GLITTER GLOW, light yellow with green tinge and tangerine beard; SPICE ISLAND, maroon plicata; COMMENTARY, pastel violet; MIXED EMOTIONS, blue-green.

*Coulson.* ORANGE BOWL, orange; CONGO SONG, dark purple; FIRST COURTSHIP, white; EARTH ANGEL, white; GRANADA, dark blue.

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## The New Regional Vice Presidents



REGION 3. Elizabeth Rowe, better known as Betty, has been growing irises since 1953. In 1955, she decided it was time to join AIS to learn more about her favorite flower. She became active in the Pittsburgh Iris Society, serving as secretary, vice president, and finally as president in 1963-64. Betty has been active in the Robin program of AIS, not only as a robin director, but also in the capacity of co-chairman of the AIS Tall Bearded Robin activities. She attended her first AIS convention in 1958, and has attended every convention since 1961. In 1963 she was appointed to the Youth committee of AIS and still is serving on this committee. Within Region 3 she has been an Area chairman, and has edited the Regional bulletin since 1962. Not only will

you find some of the newest varieties of tall bearded irises in her garden, but also all forms of medians, as well as Siberians, spurias and Japanese. An Accredited Garden Judge since 1953, she travels throughout western Pennsylvania encouraging the small hybridizers in choosing their best seedlings.



REGION 4. Rena W. Frantz. "Our editor says that when a person writes about himself he is inclined to be too factual. I agree and really feel that folks are more interested in what one is than in what one has done, although I suppose a person's activities must reflect what he is to some degree.

When I look back on my life it seems to be a jumble of many things with no great accomplishment in any, and yet my heart has been in each thing as it came along and the experience has been rich and satisfying. From my earliest memory I had planned for a career in art, but when the depression came the dreams of art school turned into the reality of a teachers' college. I taught, went to business school at night, then did

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### ZIP CODE

Each member should notify the St. Louis office as to the ZC number of his address. Send this to Clifford Benson, Secretary, American Iris Society, 2237 Tower Grove Blvd., St. Louis, Missouri 63110.



secretarial and accounting work for several years. This evolved into employee counseling, job classification and public relations. When I stopped work to rear two children, I was a management analyst. During all these years my interest in art led me to take various courses whenever there was time and opportunity. As the children grew older, I became active in the work of garden clubs and other organizations, studied flower arranging and started doing interior decorating. At the same time, I discovered the fascinating world of horticulture and a friend gave me a few irises. The first time they bloomed I was trapped and have remained so ever since. Each year finds me more deeply entrenched in the magic of these children of the rainbow. I do not hybridize and probably never shall. My main objective is to grow each variety as well as it can be grown and to grow only the very best varieties."



REGION 6. Anthony (Tony) Willott first became acquainted with the culture of irises through a group of seedlings given to him by his wife-to-be prior to their marriage in 1952. He and Dorothy now grow about 600 varieties in every class, but specializing mainly in Tall Bearded, Miniature and Standard Dwarf, and Species irises. A feature of the Willott garden is a series of rock gardens created from native stone collected by hand from various regions of the country. This rock environment hosts most of the Willott's species iris collection, which seems to grow to perfection here under both sun and semi-shaded conditions.

Mr. Willott first became a member of AIS when he received a membership as a birthday present from his mother-in-law, Mrs. J. E. McClintock. He soon became active in Region 6 affairs, and in the last eight years he has traveled extensively to meetings, flower shows and other events in the Region, as well as to national conventions of AIS. He is the past president of the Northeast Ohio Iris Society.

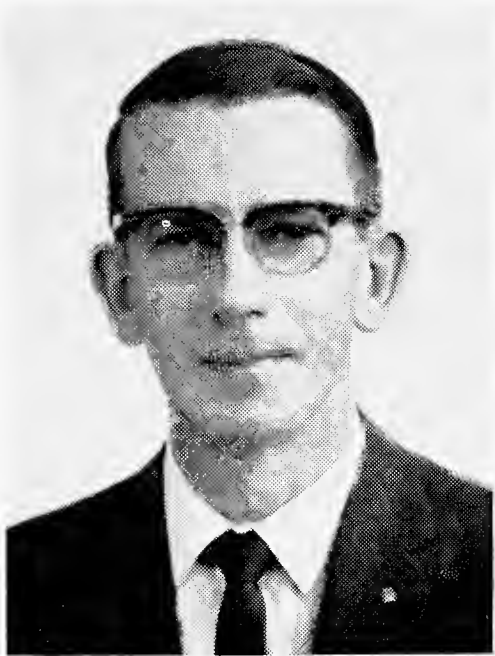
Mr. Willott is employed as the Pre-Award Survey Monitor and Industrial Specialist of the U. S. Air Force's Cleveland Contract Management District. He holds a B.S. in Physics from Baldwin Wallace College and a degree in Business Administration from Western Reserve University.

Tony and Dorothy Willott have two children, Anthony 11 and Cathy 8.

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## BRITISH IRIS SOCIETY AWARDS FOR 1964

Dykes Medal (England): PRIMROSE DRIFT (Brummitt)  
 Hugh Miller Trophy: NOTTINGHAM LACE (Hutchison), Sibirica  
 Souv. de M. Lemon: AUSTRIAN SKY (Darby), Lilliput  
 The Foster Plaque: Walter Welch  
 The Pilkinton Award: Laurence Neel



REGION 8. Glenn F. Hanson is a tax specialist with Gamble-Skogmo when it does not interfere with his gardening activities. He grows many Tall Bearded varieties, but he probably is recognized more locally for his Arilbreds and species. The odd and unusual in other flowers as well as irises are his specialty.

He has two sons and four grandchildren in Washington—too far away to be of much help. His wife Zula has a hobby which Glenn encourages. She collects antiques, especially anything that has an iris on it. Many people discard items with “iris patterns” which find their way to second hand stores and eventually to grace the Hanson home.

Lest you think that gardening is Glenn’s only hobby, it also should be said that he is a musician. For relaxation he plays the organ at home, and for fun he sings second bass in a barbershop quartette.

He served as president of the Twin City Iris Society in 1962 and 1963.



REGION 9. Lerton W. Hooker was born in Little Rock, Arkansas, and holds a bachelor’s degree from the University of Oklahoma and a master’s degree from the University of Colorado. From 1921 to 1934 he was a school teacher, a school principal and a school superintendent, at which time he joined the staff of General Mills. He laughingly describes himself as one of the thousands of small town boys who transferred to the big city to be committed to bicarbonate of soda and the frustration of trying to climb the big corporation executive ladder, with such fringe benefits as a home in the suburbs, rush hour traffic jams supreme, rabbits in the carrot patch, Boy Scout campouts and a few irises.

His garden was on the national convention tour last year. He planted his first iris in 1946, and had his first seedlings in 1950. His best known introduction is BLACK CHARM, which won the IGA at Hamburg, Germany, in 1963.

He has been president of the Northern Illinois Iris Society, and its Bulletin editor, show chairman and Test Garden operator.

He and his wife (Ora) have two married sons living in California. They have eight grandchildren.

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### ADDITION TO HC LIST

A proofreading error caused the elimination of the seedling L-1-432, with 5 votes, from the list of HCs reported in the October BULLETIN. This seedling was hybridized by F. S. Luckey of Golden, Colorado.



REGION 12. Dr. Udell Julander is a distinguished professional man in plant research and conservation. He has hidden his professional accomplishments under the proverbial "bushel" and a revelation of his talents and achievements will be news to many of his friends who know him only as a common dirt gardener.

Professionally, Dell is Senior Research Scientist at the Provo Unit of the International Forest and Range Experiment Station and also is retained on the graduate faculty of Brigham Young University, as collaborator and teacher of botany and conservation practices.

He is the author of many technical papers published in professional conservation journals. Previously, he taught forestry at Iowa State Uni-

versity and the University of Arkansas, and holds a MS in ecology and a Ph.D. in plant physiology.

With his scientific background, he has been able to bypass the blind alleys in which we amateurs get lost, and his first introduction, TRITON, a superb blue, was pictured on the cover of Tell's 1963 catalog.

He is married, and his wife Lorna is a devoted irisarian. One son is a political science professor, and the other son, Brent, sixteen years of age, has been hybridizing irises for several years in his own garden.



REGION 14. Mrs. Bernice R. Roe is a native Californian; is a retired teacher, school principal, and former County Board of Education member; and after retirement owned and managed a general nursery until four years ago. She became an iris enthusiast about fifteen years ago, and now operates an iris nursery. She has hybridized Tall Bearded and Spuria irises for about ten years, and will introduce her first iris in 1965, a TB named SUNSET BLUES. Her special hybridizing interest is greens.

She is a life member of AIS, and won the national membership contest in 1961. She has attended nearly all of the national conventions since 1954. She is a charter member of the Clara B. Rees Iris Society.

She has traveled widely in the United States, Europe, the Mediterranean, and the Orient. She does paintings in oil and water color, and collects tea-cups and other artifacts with iris decorations.

She has one daughter and three grandchildren.

As RVP of Region 14, she expects to be busy preparing for the national AIS convention in 1968.

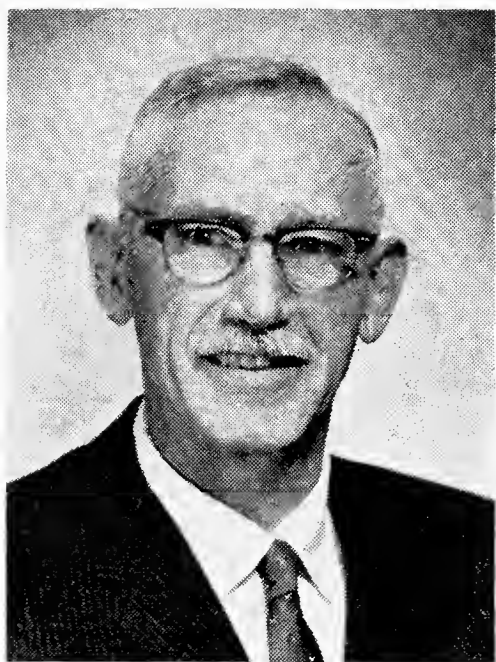
REGION 16. Douglas A. Insleay is well qualified for the duties of RVP, having filled this office for three years previously. He has been growing irises for some fifteen years. Although he grows many colors of tall bearded irises, his interest in hybridizing is with the reds, strictly on a hobby basis. He has no introductions as yet, but he still is trying.

Mr. Insleay is a graduate of McGill University, with a B.A. in Physical Education. He holds his master's degree from Ithaca College. For the past several years he has been Director of Physical Education at Sir George Williams University in Montreal.

He has been an AIS Judge for six years, and has traveled extensively during these years viewing and judging irises around Ontario and in New York State.

Mr. and Mrs. Insleay have been married just over two years and on October 28th had their first born, a son.

The Insleay family recently moved into a new home in Ville de Brossard, a small town on the south bank of the St. Lawrence, just across from Montreal. With the added space for increased plantings, he planted forty-four new irises this year, and we all look forward to seeing increased iris interest in the Canadian area.



REGION 18. Allen Harper is a native of Syracuse, New York, but has lived in the Kansas City area for the past forty-six years. He holds a Bachelor of Science degree in Pharmacy from the University of Kansas, and has been a pharmaceutical chemist, a flavor chemist and a manufacturing chemist, with several years in the bakery supply and equipment business. His last full time employment was in pharmaceutical sales; he now is practically retired except for a couple of part time ventures.

Most of his extracurricular activities are in the field of gardening. He is a charter member and past president of the Greater Kansas City Iris Society, charter member of the Kansas City Garden Center Association and of the Kansas City

Chapter of the Men's Garden Clubs of America. He serves on the executive board of the latter.

His other interests are peonies, fishing and billiards.

His garden was on the tour for the Kansas City meeting. His hybridizing efforts have been with amoenas, variegatas and "fancies." He says that his progress is slow. We think that is understandable.



REGION 22. John W. Humphrey was reared on a farm, and inherited a love for nature and the soil. He holds a deep affection for trees, shrubs and flowers, horticultural and wild alike. He is a photographer (hobby) and has a large slide collection, chiefly of irises, but containing many wild flowers, plants and trees. He uses a battered Rolleicord Camera, which he bought in Shanghai while with the 42nd Seabees in World War II.

He first became interested in irises when his wife, Frances, bought a \$5.00 collection, including BRUNHILDE, GLORIOLE and OLA KALA. He became interested in hybridizing immediately, and since has grown several thousand seedlings each year.

His hobbies include hunting, fishing, coin collecting, trapping, and he is considered as an expert in bridge. He is employed in the Stillwater post office.

The Humphreys have two married daughters, Rebecca and Margaret, and a son, Ricky, who is a senior in high school.

The whole family has long been active in the Oklahoma Iris Society, and John currently is first vice president of that organization.

## Paul Cook, Iris Hybridizer

ROBERT SCHREINER

As we turned into the gasoline service station to inquire for more detailed directions to Paul Cook's home, I could not help but muse. Somehow, while I had never visited him before, I had the feeling I had been here with him in the irises. The pleasant farmland country of Wells County in Indiana was but a prelude. This drive along the storied "banks of the Wabash," the pleasant, dappled landscape, tree-lined streams with sentinel sycamores—all furnished the background to the mounting climax of meeting Paul Cook at Bluffton. As we drove in the driveway and parked our car under the wonderful large American elm and walked to see the irises peeking over the garden fence, I reflected: What manner of man was he? Before the advent of color slide snapshots, I was without a visual impression of him. Even before I had the chance to approach him, he stood out in a cluster of iris fanciers. He was not an overly tall man. He was not heavy set; rather he was almost ascetically slender. His voice was modulated, never loud or booming, yet his personality loomed up as one appreciated the carefulness and modesty of this wonderful man. There he was with his ever present garden basket on his left arm, with stud books and crossing paraphernalia. As I walked up to meet Paul Cook, my mind flashed back to an earlier time.

One of the first iris catalogs my father had received was one from Bluffton, Indiana, from the Longfield Iris Farm. The proprietors noted on the mast head were E. B. Williamson-Paul Cook. The year, 1922. Interesting to us

was the fact that Mr. E. B. Williamson, one of the early luminaries of the American Iris Society, was the senior partner, and he was associated with a rural mail carrier by the name of Paul Cook, who also loved iris. This partnership was eventually dissolved, and the Williamsons continued the hybridizations of E. B. Williamson. His early iris creations were of great importance in the development of iris, with such varieties as LENT A. WILLIAMSON and DOLLY MADISON, to mention just two. Their import was felt the length and breadth of the iris world. Upon the passing of Mr. Williamson, his daughter, Mary Williamson, continued the Longfield Iris Gardens, and it was through this famous garden that the developments of Mr. Cook were released to commerce. Many chapters could be written about Mr. Williamson, perhaps the first aril breeder in America, also a breeder of the table irises and other specialities in the iris family.

In the 1920's the epochal impact of the large iris from the Near East, as Asia Minor and contiguous areas, opened up new vistas to iris development. In retrospect, perhaps, we now have better understanding when we face a current breeding development. The examination of these new plants, the promise of finer garden varieties that would have larger flowers, taller stems, branching and other admirable qualities, developed a ferment of iris activity all over the country. Mr. Cook started his own specialized lines of iris breeding and soon he concentrated on his two special "lines" or series. These were known as his "red" line and his "dark" or Sable line.

The specialized line breeding methods were particular with Paul Cook's work, and he carried on some of the most intensive line breeding in the United States. He first established a goal. Next he selected two or three parental stocks, and he brought the amalgam of their crossing together. Then he continued to work with the descendants of these plants, refining, selecting and embellishing the strain. On several occasions it was my privilege to walk down the rows of seedlings with Paul Cook and discuss the various irises. Perhaps personal feeling crept into my thoughts. Have you ever noticed a stone that seems unusual? Perhaps an agate or carnelian that has been exposed and has been worked over by water. Have you had the impulse to pick it up, rub over the surface and sort of "shine" it. This urge to embellish one of nature's manifestations was exactly the process I felt Paul Cook loved to do with his irises. As he often mentioned, by not bringing in, or "dabbing on," as he put it, other iris pollen, he was eliminating the deleterious iris characters or genes.

One of the earliest series of line bred iris Mr. Cook started was his red iris line. He began by taking the three red irises of the 1920's he considered worthwhile to work with. They were SEMINOLE (Farr 1920), MORNING SPLENDOR (Shull 1923), and CINNABAR (Williamson 1928). His first numbered seedlings were selected in 1929. He had crossed SEMINOLE with CINNABAR, and also crossed MORNING SPLENDOR with children of that cross, and then intercrossed these seedlings in a myriad of combinations, continuing this work for as many as four and five generations before he would bring in some outside variety. One of these first offerings was the iris he named after his good friend, E. B. WILLIAMSON (1937). It was the product of this involved line breeding. This variety was only the first of many productions in the red iris group. Later varieties would include COPPER ROSE (1941), CAPTAIN WELLS (1941), REDWARD (1942), and RELENTLESS (1948). But this was

only one phase. Mr. Cook did not live only within his own confines. Another iris contemporary of the same golden age of Williamson, Sturtevant, Cook, etc., was the red iris specialist, Mr. E. G. Lapham, whose interest in red iris breeding continued right up into 1964, a full forty years of breeding red iris. Mr. Cook and Mr. Lapham working together, yet separately in some efforts, were constant iris companions. A letter a week between them was as expected as the rising sun each day. Mr. Cook infused some of Mr. Lapham's varieties in seedlings that are yet to bloom.

But red iris were only one of the "lines" of breeding Mr. Cook started. At the same time he was working on the red family, he was also working on the black iris series, as he called it—his "S" (Sable) series. Again, the same technique of breeding was started to found this strain. He selected BLUE BOY (Foster 1913) and crossed this with INNOCENZA (Lemon) a darkish blue with a white. The action of this white, which seemed to intensify the coloring of BLUE BOY, was a phenomenon that was observed, and this information was called on for work Mr. Cook delved into in the 1950's. But, to return to the dark series, by mating this dark side, particularly the CINNABAR-SEMINOLE children, the culmination, after ten years work, was the iris SABLE (1938). Dipping into the reservoir of other breeders' work in dark, the use of MODOC (Essig), BLACK FOREST (Schreiner), and BLACK WINGS (Kirkland) resulted in blacks pouring in an ever increasing and interesting stream. His SABLE NIGHT (1951), a Dykes Medal Winner, was one of the capping achievements to his dark iris efforts.

Ever searching, ever studying his iris, Mr. Cook again probed the palette of iris colors, and contributed two of the most important iris in the orchid-pink colors, DREAMCASTLE (1943) and HARRIET THOREAU (1944). These were stepping stones to further and finer iris. In some of our personal iris breeding efforts the evolvement of the better orchid iris would not have been possible had not DREAMCASTLE and HARRIET THOREAU been that invaluable advancement and link to these wonderful colors.

There is a veritable library of "who done it" in the breeding work of Paul Cook. A person interested in geneologies will find a fascinating detective story behind whatever color line was being carried on. I have mentioned the dark (S) series, the reds and the orchids. I should mention, as well, his introductions LANCASTER (1940) and MAJENICA (1941), both continuing products of this highly skilled breeder.

About 1946 some interesting considerations were being projected and analyzed. The introduction of the blue iris DISTANCE in 1946 triggered the imagination of Mr. Cook. "How can we develop a 'bluer' iris?" In fact, it was his observation that a person could get a pronounced headache from constantly studying and culling the blue seedlings, of which he raised hundreds and hundreds of highly refined, selective parentages.

I was interested in the true *Iris pumila*, and was successful in locating some plants of this species in Vienna, Austria and Cludji, Transylvania. I sent plants of these to Mr. Cook, and they immediately interested him. Some of his earliest crosses of this species with other species were, in part, one of the keys to modern dwarf breeding. Yet, significantly, in pursuing the quest for possible contribution from the action of *I. pumila* on tall bearded blue irises, he eventually achieved two irises of the standard dwarf bearded class, BARIA and GREEN SPOT, both highly regarded. There was yet another cross which

was performed. The use of one of the dwarf iris from the Balkan dwarf species complex yielded PROGENITOR, the famous ancestor to many of the famous, later day Cook iris developments. This cross, again, is a fine case history of the carefulness of Mr. Cook's breeding and the interpretation of results and the refinements thereof. His original cross which produced PROGENITOR was this yellow Balkan species cross with a tall bearded blue iris, to see if he could develop that "bluer" blue iris. The result—PROGENITOR. Many a less experienced hybridizer would have quailed at the result. Surely, nothing was envisioned. However, true iris breeder that he was, he then, in turn, crossed this seedling, PROGENITOR, with a tall bearded blue iris again. The result—the dawn of a new race of white standard iris with smooth-colored falls. His records soon told Mr. Cook that he had not discovered a newer blue iris, but he had uncoupled a new dominant amoena pattern of previously unknown high qualities. So while the ideal "bluer" blue did not show up, he began his epochal work with the children of PROGENITOR. Crossing PROGENITOR with his orchid iris, as exemplified by DREAMCASTLE, he selected one iris of this new pattern, MELODRAMA (1956). By selective and refining processes in continuing the use of the tall bearded blue iris and crosses of the children, just as he had done with the red lines years ago, he attained WHOLE CLOTH (1958), the Dykes Medal Winner for 1962. Other irises from this blue parentaged series include WONDERMENT (1958) and EMMA COOK (1959) with its interesting corona margin, MISS INDIANA (1961) and SUPERLATION (1962).

Ever interested to see how a different character would work, the inevitable question from a person working with the very deeply colored black iris—what would happen when this new dominant pattern, that suppressed the coloration of the standards in previous crosses, was crossed with the blacks? So he made just such a cross. The result—TOLL GATE (1959). Once he had produced WHOLE CLOTH and raised several more generations of its children, Mr. Cook discontinued working in this line. As he mentioned, just about everyone would be working it, and he had something more interesting he would like to spend his more limited time and space on.

Yes, he had! And, it was again the unusual—the crossing of the children of WHOLE CLOTH ancestry with one of the deep brown blends. These crosses gave a totally different color pattern—not blue and white as when blue or lavender irises were mated; not orchid as in MELODRAMA; but an iris with pure yellow standards and fairly interesting blue falls. This most recent color pattern was the most recent phase of iris creative ability that occupied his main interest the last few years. Yes, as he told me, he was still after that elusive true blue iris. The excursion into the entire field of dominant bicolors or amoenas that WHOLE CLOTH sired was one of the fascinating diversissements that iris breeding will yield to the breeder—and what a diversissement it was!

This, then, was Paul Cook. He has been acknowledged as one of our most careful and discerning iris breeders. His attention to his flowers and his study of them was so intense, yet backgrounded with both a great affection for and a deep understanding of them, that it made a trip through his garden, as he related about this and that effort, one of the unforgettable experiences. No histrionics, a keen and pleasant sense of humor, and as deep an understanding of the iris family as I have seen evidenced. Personally, I, and I am sure



many, many iris enthusiasts, feel a great debt to this keenly investigative iris breeder who coupled with his theory the utmost of patience and persistence, often under trying circumstances. On occasions a late spring frost would wipe out a whole year's bloom. Undaunted, he studied his books more, and slowly decided which were the crosses he wanted to make and which of the many seedling combinations he was going to use. Just this past year the American Iris Society awarded the Dykes Medal to his iris ALLEGIANCE—a rich, deep blue-violet iris. Paul Cook's allegiance was to the flower he loved. Yet, he did not slight nature. The sheltered woodland area just behind his iris beds had the wilding life that was native to Wells County—the wildflowers, the birds. This was their sanctuary and here, too, Paul Cook communed with nature. His legacy in inspiration, iris thought and iris achievement are a gift for which he will be ever remembered.

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## *Ackerman Awarded Service Medal*



The Board of Directors at the Chicago meeting in October voted to the Treasurer of the Society, Jay C. Ackerman, of Waverly Hills, Michigan, the Distinguished Service Medal, the highest honor that AIS can bestow, for his long and devoted attention to the affairs of the Society.

Mr. Ackerman was born in Mt. Pleasant, Michigan, and is a graduate of Michigan State University, with a B.S. degree in civil engineering. He was elected to *Tau Beta Pi*, honorary engineering fraternity, and has been a registered professional engineer since 1937. He has been employed in the structural steel industry for forty-two years, and now is the plant manager of the Lansing branch of the Mississippi Valley Steel Company.

In October 1926 Mr. Ackerman and Marion Merrill were married, and they have one married daughter, Marjorie, and three grandchildren, Karen (11), Susan (9) and Richard (7).

Mr. Ackerman started growing irises in 1941 when he purchased such varieties as E. B. WILLIAMSON, DOLLY MADISON, PRESIDENT PILKINGTON, MORNING SPLENDOR and TIFFANY. He joined AIS in 1948, and served as RVP of Region 6 during 1953-55. He was appointed to the Board of Directors of AIS in 1964, and served on the Board for twelve years. He was Chairman of the Awards Committee for 1958-59, and Treasurer during 1960-64, a position which he currently occupies.

His devotion to the duties of the Society is attested to by the fact that he has attended fourteen of the fifteen national conventions since 1950, and all of the fall board meetings since 1954.

He belongs to the dwarf and the median societies, and has done limited hybridizing in these sections, as well as with tall bearded. One of his hybridizing efforts established a first with an interspecies dwarf cross between *pumila* and *arenaria*. Two seedlings of this cross, PUMAR ALPHA and PUMAR BETA, were registered and introduced in 1954.

Since its institution in 1941, twenty-eight other members have been recipients of the Distinguished Service Medal.

- 1941 Harry H. Everett, Ben Y. Morrison, Robert S. Sturtevant
- 1943 William J. McKee
- 1944 Charles E. F. Gersdorf, Clarence P. Connell, J. Marion Shull
- 1945 Mrs. Louise Blake
- 1947 Jesse E. Wills, Howard R. Watkins
- 1949 Dr. Franklin J. Cook, Junius P. Fishburn
- 1950 Miss Caroline Dorman, E. Grieg Lapham
- 1951 Dr. L. F. Randolph
- 1953 Fred W. Cassebeer, Guy Rogers
- 1953 Mrs. F. P. Walther
- 1955 Harold W. Knowlton
- 1956 Geddes Douglas
- 1957 Mrs. George D. Robinson
- 1958 William J. Moffat
- 1959 Marion Walker, Carl O. Schirmer
- 1960 Dr. Matthew C. Riddle
- 1962 Mrs. Walter Colquitt, Donald C. Waters
- 1963 John C. Bartholomew

## *Payne Awarded Hybridizer's Medal*



To W. A. Payne of Terre Haute, Indiana, goes the high honor of being chosen by the Board of Directors at its Chicago meeting as the recipient of the Hybridizer's Medal.

Mr. Payne, now eighty-three years of age, is a graduate of Central Normal College of Danville, Indiana, and attended the Chicago Art Institute.

For a time he was an apprentice in wood pattern making, and later he worked in the lumber mills above San Francisco. On returning to Indiana he was employed in general photography, and later in Chicago in photographic portraiture. In Chicago he became friends with the late Professor Cho-Yo, Japanese art authority and collector, who stimulated his interest in collecting fine examples of Japanese porcelains.

It was in Chicago that he met and married Miss Clara Gaertner, daughter of the Reverend Mr. Gaertner, pastor of the German Evangelical church. Because of Clara's frail health, they returned to Terre Haute, and entered the real estate business. He began growing peonies as a hobby, and registered two beautiful varieties, MADAME CHIANG KAI-SHEK and MISS GREER GARSON.

About 1921 he entered the commercial nursery business. He developed an interest in tall bearded irises, but because they bloomed at a time when he was the busiest with his business, he transferred much of his attention to Japanese iris. Thus began a long and concentrated effort to develop a dis-

tinctive, truly original strain possessing more desirable characteristics of plant and flower, and one better adapted to garden requirements and climatic conditions in America. Eighteen years later, ten varieties were his first registrations.

The tedious road he has traveled these last thirty-two years has been fruitful, not only from a personal standpoint, but also for the devotees of Japanese irises. In 1963 Mr. Payne received from IGA the *Goldmedaille* for BLUE NOCTURNE, the *Silbermedaille* for FASHION MODEL and the *Bronzemedaille* for ORCHID MAJESTY. Plants that have been shipped to Germany two years earlier were to reward their originator by winning the three top honors in the *I. kaempferi* display at Hamburg.

Seemingly more important to Mr. Payne is this honor bestowed on him by the American Iris Society

Early this October, he lost Clara, "the best helper I ever had," following a prolonged illness. He now works alone at the plantings that next June will attract people from far and near to his garden. Come this June, we anticipate that Mr. Payne will be welcoming to his garden old friends and new, who will themselves find it impossible to select a favorite in the veritable sea of beautiful irises.

Forty-two persons previously have received the Medal in recognition of their accomplishments in iris breeding.

- 1941 Wylie McL. Ayres, Prof. Sydney B. Mitchell, Jesse C. Nichols, Hans P. Sass, Jacob Sass
- 1943 Clarence G. White, L. Merton Gage
- 1944 Dr. A. P. Loomis, Carl Salbach, Professor E. O. Essig, Dr. Rudolph E. Kleinsorge, David F. Hall, Dr. Henry Grant Lee
- 1945 Paul H. Cook, E. Grieg Lapham
- 1947 Mrs. Charles G. Whiting, Kenneth D. Smith
- 1949 Dr. Robert J. Graves, Geddes Douglas
- 1950 F. Cleveland Morgan, Miss Isabella Preston
- 1951 Mrs. Thomas Nesmith, Eric Nies
- 1952 Fred DeForest, Orville Fay
- 1953 William J. McKee, Carl Milliken
- 1954 Jesse E. Wills, Schreiner Family (Robert, Bernard, Connie)
- 1955 Mrs. Jean Stevens
- 1956 Tell Muhlstein
- 1957 Edward Watkins, Walter Welch
- 1958 Henry E. Sass
- 1959 Mrs. Franklin P. Lowry
- 1961 Mrs. J. R. Hamblen, William B. Schortman
- 1962 Tom Craig, Chet W. Tompkins
- 1963 Bro. Charles Reckamp

# *Your AIS Membership Gives You*

- . . . A Classification system for all irises, designed to maintain order and proper recognition for species and horticultural classes;
- . . . A Registration system for named varieties (except bulbous irises) to prevent chaos among varieties in commerce;
- . . . An Awards system to give full recognition to varieties of outstanding quality, and to promote development of new classes and ever-increasing excellence;
- . . . A Judges Training program to provide AIS judges with information on the continually advancing developments in all classes of irises, and to train new judges for irises in the garden and on the show bench;
- . . . A Test Garden program to promote development of varieties giving dependable performance in a wide range of climatic and cultural conditions;
- . . . A Research program to seek answers to problems in culture, diseases and pests; to study basic species relationships and inheritance factors to help breeders produce new and better irises. (*Research and life memberships help build funds for this program.*);
- . . . A Publications program including quarterly BULLETINS, books, pamphlets and brochures to provide up-to-date information about irises, and aids to those working for better promotion of irises;
- . . . An Exhibitions program to assist societies and groups in planning shows and exhibits; to provide official medal, certificate and ribbon awards to recognize cultural achievement in growing irises;
- . . . A Slides program to provide groups of irisarians and garden clubs with educational entertainment material;
- . . . A Robin program to bring irisarians all over the world into closer touch; to provide an educational and informational activity in all phases of iris interest;
- . . . Programs of Regional and National Activity to encourage participation of all irisarians in promotion of better irises;
- . . . A Youth program to encourage the interest and participation of young people who will be tomorrow's irisarians.

These are some of the things AIS is doing for you, to enhance your enjoyment and appreciation of irises. It is *your* Society. What AIS membership means to you is determined largely by the extent of your participation in its activities.

## **MOUNT CLARE IRIS GARDENS**

**3036 N. Narragansett Ave.**

**Chicago, Illinois 60634**

*Since 1941 Home of the Aril Iris of the Great Lakes Region*

### ***1964 Introduction***

**FLURRY OF NEPAL**—Color clean bronze gold. Beard darker. Black signal. Very vigorous plant. Fertile both ways. Easy grower. About 30" tall. Three way branching. Seedling #62-1-1. (Snow Flurry x Asoka of Nepal) x Asoka of Nepal .....\$20.00

### ***1963 Introductions***

**PLATINUM DIAMOND**—Oncocyclus. E. 16". From Nazarena x Gatesii. Color buff yellow to graying green, with black veins and dots. Pure black signal. Extremely fertile both ways. Bloomed as a seedling for me in 1955. It is proving itself as a breeder. A pod from Imam Salah gave 58 good seeds; a pod from Sari produced 40 good seeds, A pod from Platinum Diamond x Paradoxa gave 32 good seeds .....\$50.00

**COLLECTORS PRIDE**—Regeliabred. This iris blooms early to medium and is from Snow Flurry x Hoogiana. Pure clean white except for some orange stripes on upper falls. Beard yellow. Has the hoogiana form, and branches from very low down up to 30", and sometimes has four branches. Fertile both ways and very hardy. A dependable bloomer .....\$10.00

### ***1962 Introduction***

**FLIRTATION WALTZ**—This flower is deep orchid with typical onco shape. Quite flaring. At times will set seed. Is from Elmohr x Mulberry Rose. This is a ladies' flower, because any woman who sees it goes wild over it. This is the main reason this flower was introduced. It bloomed in my garden as a seedling ten years before being introduced .....\$15.00

### ***1960 Introduction***

**STRATOSPHERE ANGEL**—This was our first introduction of Aril iris and is from New Snow x Capitola. Color powder blue; beard same. Very Capitola form. Will set seed at times. Pollen somewhat fertile. This iris proved itself an extremely hardy plant, when the temperature fell as low as 30° below zero in Nebraska in the winter of 1963 .....\$2.50

### ***Aril Slides***

We have three slide collections of 100 slides in each of pure Arils and Arilbreds, taken in our garden in the spring of 1963. These may be had free to any person who wants to show them to a flower club or social gathering of people who are interested in Aril irises, by paying the postage and insurance back to me. A thirty day notice must be given to assure them for a certain date.

We wish to say "Thank you" to the many satisfied customers and friends. Your letters of praise have been most deeply appreciated. We extend a hearty welcome to all who can come and visit our garden at bloom time.

Members of American Iris Society; Aril Society International; British Iris Society; Northern Illinois Society; American Iris Society of Northern California and Nevada, Region 14; and the Men's Garden Club of America.

SEND FOR CIRCULAR for other Arils and Arilbred irises

**HENRY DAVIDSON**

*Visitors Always Welcome*

# Changes in Arilbred

## Definition, Classification and

### Award Requirements

JOHN HOLDEN

The Aril Society International has recently taken action to redefine an arilbred, divide the arilbred classification into two classes, and make several changes in the requirements for awards sanctioned by the Society. This action is the result of recommendations made by the Classification Committee under the leadership of Mr. Roy Brizendine as chairman.

An arilbred is now defined as a hybrid of eupogon and aril parentage of not less than one-fourth aril content. The selection of the quarterbred level as the minimum requirement is based on the premise that little or no segregation occurs at meiosis between the aril and eupogon chromosomes, and that they are for all practical purposes completely non-homologous. While an occasional aneuploid may appear, the arithmetic determination of the proportion of aril contained in a hybrid below the quarterbred level, or above the three quarter level for that matter, is not genetically sound based on our present knowledge and experience.

The problem of classification was found to be one not readily solved. In fact it is not meant to imply that the present action is other than a first step hopefully taken in the right direction. In looking at the work going on in the field of arilbred hybridizing, the need for a separate class for the smaller arilbreds became apparent. Much hybridizing is going on between the smaller flowered early arils and dwarfs and many thousands of seedlings in this category reportedly are in existence. While the small arilbred class has been set up especially for the above type of cross, it is at this point intended to also include all small arilbreds, whatever their parentage. The other class will include all large arilbreds. At present this is for the greatest part typified by larger flowered, taller plants, such as the C. G. White hybrids. How long before more phenotypical classes emerge that are of a less general nature than the ones set up is a question that depends on the energy of our arilbred hybridizers and the direction they may choose to go. The two classes are as follows:

**CLASS AB-I SMALL ARILBREDS:** This class includes all arilbreds that are normally 12 inches or under in height and meet the requirements of containing at least one-fourth aril blood.

**CLASS AB-II LARGE ARILBREDS:** This class includes all arilbreds that normally grow over 12 inches in height and meet the requirements of containing at least one-fourth aril blood.

By prior arrangement the Aril Society International participates in the American Iris Society's registration and awards system. Arilbreds, therefore, should be registered with the American Iris Society in one of the two classes, if they are to be registered as arilbreds. One of the rules of this system is

that an iris can receive an award only in the class in which it is registered. Since many arilbreds display no aril characteristics, even at the 50% aril level, the hybridizer should register his iris in the class in which it will best compete on the basis of phenotype characteristics. This problem is not unique to arilbreds, but is probably more prevalent with them than with other types of breeding. However, arilbreds which are registered in another class can be recorded with the Aril Society International on the basis of their genetic make-up only, and will thereby be included in the Society's Aril Check List.

The lack of phenotype characteristics, other than the dividing line of height in the description of the two classes, was intentional and not an oversight. These phenotype characteristics are covered in the requirements for an award sanctioned by the Aril Society International, and have to do with aril characteristics of the flower only. Two are required, and a list is given which is meant to be a guideline and certainly is not all inclusive.

At present the only award sanctioned by the Aril Society International is the Clarence Greenleaf White Award for the best aril or arilbred iris of the year. This award is equivalent to the Award of Merit for tall bearded iris, and parallels the other name awards for iris in other classifications than tall bearded. To receive such an award, the iris must previously have received an Honorable Mention Award under the AIS awards system. Theoretically, it along with the other "specialty group" awards makes the iris receiving such an award eligible for the Dykes Memorial Award. The requirements, which it is expected will also be generally applicable to future ASI sanctioned awards as well as the Clarence Greenleaf White award, are as follows:

1. The iris must be recorded with the Aril Society International as an arilbred and must:
  - a. Have been registered with the American Iris Society. (A copy of the registration data forwarded to the Recorder will be sufficient to assure recording without charge by the ASI.)
  - b. Be shown by submitted pedigree to contain at least one-fourth aril species blood.
2. For an award or exhibition purposes as an arilbred an iris must display clearly at least two aril characteristics, such as the following:
  - a. Broadly domed and reflexed standards as in *I. gatessi*
  - b. Ruffled and reflexed standards as in *I. lortetii*.
  - c. Elongated standards or falls, or both, as in *I. korolkowii*.
  - d. Accentuated globular form as in *I. susiana*.
  - e. Extremely broad falls.
  - f. Well reflexed falls.
  - g. Thick, heavy or broadly diffused beard as in *I. susiana*.
  - h. Linear beard as in the *regelias* or a combination of both.
  - i. Exaggerated stiles as in *I. nazarena* or *I. Iberica*.
  - j. Conspicuous veining, or dotting of either standards or falls.
  - k. A definable signal.
    - l. A prominent "V" shaped spot surrounding the beard in a contrasting color as in the *regelias*.
3. For the Clarence Greenleaf White award or other awards for arilbreds that may be sanctioned by the ASI, the variety must have been qualified as meeting the requirements of clearly displaying two aril characteristics. This may be done by forwarding to the Recorder of the ASI a 35 mm color

slide or other suitable color picture showing a close-up view of the flower, accompanied by a short statement of the aril characteristics which the hybridizer believes the bloom contains. The slide or picture will be viewed by an anonymous committee of arilians, and the hybridizer will be notified of the acceptance or rejection of the variety's qualifications. As an alternate to the above procedure, a separate statement by not less than three individual arilians forwarded under separate cover by each individual to the Recorder verifying the qualifications will qualify the variety, providing each statement of characteristic is acceptable to the committee.

The extensive use of the C. G. White hybrids, all of which are of unknown parentage, raises the question as to the aril content that should be assigned to them in determining the percent aril in advanced generations of their progeny. Many of these have been counted as having forty-four chromosomes, which indicates that they are one-half aril. The others in their fertility characteristics indicate they are of a similar makeup. The following list of C. G. White hybrids will, therefore, be considered to have 50% aril parentage in determining the aril content of their progeny.

AHMID AGA	IMAM AHMID	KALIFA HIRFA
ARJUNA AGA	IMAM JABAN	KALIFA KABUL
ASOKA OF NEPAL	IMAM SALAH	KALIFA KASHAN
BALI AGA	JABAL KERAK	KHALIL EFFENDI
BLACK JOPPA	JALLAH AD DIN	KING HENRY
BEISAN AGA	JALLAH EFFEND	ONCO "B"
CHENIK AGA	JOPPA PARROT	PALI OF BACTRIA
CITRINE	KALIFA ARVETIA	SAYYED YARMUK
EL KIZAR	KALIFA BALTIS	SIDI PASHA
IMAM ADIB	KALIFA BUDDOOK	TATAI PASHA
		VANAYA OF SHANKARA

The fact that hybridizing of the arils and the eupogous is at best in the early stages of exploratory development is perhaps one of the items of major interest to the imaginative hybridizer. When one looks at the thousands of varieties of eupogous that stem from some forty-five or so species and consider crossing these or the species with the few dozen aril and arilbred varieties, plus some fifty or more aril species, the possible combinations become somewhat staggering. Variations of form, color, pattern, size and bloom season are as great, if not greater, in the arils than in the eupogon. Problems of interspecific breeding are no different between the arils and the eupogon than they are between the different series of the eupogon. These have been well covered in "Garden Irises," past issues of the ASI BULLETIN, the Dwarf Iris Societies' "Portfolio," the Median Iris Society's "Medianite" and the Aril Society International's Yearbook. These problems are not a proper subject for this report. Suffice it to say, that along with the primary object of creating something new and beautiful, the solving of the problems should in themselves add zest to the venture of arilbred hybridizing.

*John Holden is President of the ARIL SOCIETY INTERNATIONAL. His interest is in growing and breeding the pure aril species and their hybrids. He has been successful in embryo culturing the pure aril seed.*



# *AIS Judges for 1965*

The following lists include the four categories of judges; garden judges, exhibition judges, senior judges, and honorary judges.

By authority delegated by the Board of Directors, members nominated by the Regional Vice Presidents as garden judges or as exhibition judges have been accredited, respectively, by

MRS. WALTER H. BUXTON, *Chairman*, Awards Committee

MR. WILLIAM T. BLEDSOE, *Chairman*, Exhibition Committee

Exhibition judges are accredited to judge exhibitions only. Garden judges are also exhibition judges.

Garden and exhibition judges hold office for one year, with reappointment contingent upon the performance of all duties required of the office. Garden judges may not exceed ten per cent of the total membership of the Society.

Senior judges are (1) accredited garden judges automatically elevated to this class after 15 years' service, and (2) present and past Directors. These judges have the voting privileges of garden judges but are not required to visit gardens or to vote unless they wish to do so. They are expected to participate in the training of new judges. This class was created by the Board of Directors at its meeting in Kansas City in May, 1962.

Honorary judges are appointed by the Board of Directors. This office is an honor given to judges who have rendered outstanding service to the Society. Honorary judges have the voting privileges of garden judges, but exercise of the privileges is optional.

In the lists, garden judges are identified by a G, exhibition judges by an E, senior judges by an S, and honorary judges by an H.

## REGION 1

### *Connecticut*

- G RVP, Mr. Frederick W. Gadd, Wethersfield
- G Mrs. C. A. Bahret, Danbury
- G Mr. John E. Goett, Monroe
- G Mr. Frederic A. Jacobs, Meriden
- G Mr. Carl G. Schulz, Meriden
- G Mr. Coulson H. Squires, Madison
- S Mrs. Charles I. Stephenson, New Haven
- G Mr. William Thomson, Springdale
- G Mrs. Troy Westmeyer, Stamford
- G Mrs. Frances H. Winkler, Woodbridge

### *Maine*

- E Mr. Bernard McLaughlin, South Paris

### *Massachusetts*

- H Mr. John A. Bartholomew, Milton
- G Mrs. John A. Bartholomew, Milton
- S Mrs. Thelma Barton, Gardner
- S Dr. G. Percy Brown, Barre
- S Mr. Stedman Buttrick, Concord
- S Mrs. Preston E. Corey, Reading

- S Mrs. Irving W. Fraim, Waltham
- E Mrs. John Johnson, Quincy
- G Mrs. Stephen C. Kanela, Walpole
- H Mr. Harold W. Knowlton, Auburndale
- G Mr. George Melnik, Deerfield
- E Mrs. Percy I. Merry, Needham
- G Miss Eleanor Murdock, East Templeton
- H Mrs. Thomas Nesmith, Lowell
- G Mrs. K. A. Perkins, Saugus
- G Mr. George H. Pride, Worcester
- G Mrs. Shirley Spurr, Melrose
- S Mr. Kenneth W. Stone, Asby
- G Mr. Donald I. Tufts, Grafton
- G Mrs. Donald I. Tufts, Grafton
- G Mr. Carleton Ulm, Taunton
- G Mr. Kenneth M. Waite, Westfield
- G Mrs. Frank W. Warburton, Westboro
- G Mr. Win A. Wheeler, Sherborn

### *Rhode Island*

- G Mr. Allen P. McConnell, Rumford

## REGION 2

### *New York*

G RVP, Dr. Irwin A. Conroe, Slingerlands  
G Mr. Gaylord Baldwin, Groton  
G Mrs. Henry W. Blenis, Ravena  
G Mrs. Guy Bogard, Rochester  
S Mr. Merton Brownell, Mt. Upton  
G Mrs. Wells E. Burton, Greene  
H Mr. Fred E. Cassebeer, West Nyack  
G Mr. Earl B. Daum, Buffalo  
G Mrs. H. I. Edwards, Massapequa Park  
G Mr. Arthur Faulds, Amsterdam  
G Mr. William N. Fitzgerald, Rochester  
H Mr. Paul F. Frese, White Plains  
G Mrs. Stewart Hall, Brewerton  
G Mr. Elston K. Herrald, Baldwinsville  
G Mrs. Thomas R. Higgins, Muttontown  
H Mr. Thomas E. Jacoby, Oakfield

G Mrs. Clinton L. Jennings, Scarsdale  
G Mr. Harry B. Kuesel, Greenvale  
G Mrs. H. A. Laidlaw, Amsterdam  
G Mrs. Eva Liebegott, Islip  
G Dr. William G. McGarvey, Oswego  
G Mr. Robert R. Milner, North Collins  
G Mr. William H. Peck, Jr., Oyster Bay  
G Mrs. John M. Price, New City  
G Mrs. O. F. Quist, Spring Valley  
H Dr. L. F. Randolph, Ithaca  
G Mr. Joseph Ryan, Schenevus  
G Mr. Robert H. Savage, North Syracuse  
S Mr. James Stevens, Greenville  
G Mr. Charles Stewart, Burnt Hills  
G Mr. Herman Story, Freehold  
S Mr. John Swantak, South Kortright  
G Mr. Clinton Zeems, Syracuse  
G Mrs. Phyllis Zezelic, Massapequa Park

## REGION 3

### *Pennsylvania*

G RVP, Mrs. Elizabeth H. Rowe, Pittsburgh  
E Miss Iva May Anderson, Pittsburgh  
G Mr. Charles J. Boyles, Altoona  
G Mrs. Jessie T. Busch, Coatesville  
G Mrs. William E. Chambers, Merion Station  
G Mrs. E. A. Chariott, Moylan  
G Mr. Norman R. Clouser, Reading  
G Mrs. J. W. Dougherty, Pittsburgh  
E Mrs. Robert J. M. Gantz, New Hope  
G Mr. Russel S. Groff, New Holland  
G Mrs. Eugene G. Hamill, Hollidaysburg  
G Mr. William T. Hirsch, Havertown  
E Mrs. William T. Hirsch, Havertown  
E Mrs. John H. Hoffman, Kennett Square  
G Mr. Maxwell W. Hunter, Hollidaysburg  
S Mrs. Gustave E. Landt, Norristown  
S Mr. John C. Lyster, Clifton Heights

G Prof. Larry P. Mains, Media  
E Miss Sophia M. Moiles, Johnstown  
E Mrs. Herman S. Muck, Pittsburgh  
G Mr. A. Edward Murray, Jr., Levittown  
E Mr. Albert E. Murray, Levittown  
G Mr. William Newhard, Quakertown  
H Mrs. R. Moore Price, New Hope  
G Mrs. Frank Prosky, Pittsburgh  
E Mr. E. Earl Rider, Easton  
G Mr. Cloyd F. Sensenbach, White Haven  
G Mr. Paul R. Smith, Sanatoga  
G Mrs. Guy E. Stevens, Middlebury Center  
G Miss Dorothy Urick, Meadville  
G Mrs. Wallace J. White, Altoona  
H Dr. John C. Wister, Swarthmore

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E Mrs. Ernest L. Smith, Wilmington  
E Mrs. Frank W. Hankins, Smyrna

## REGION 4

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G Mr. Weldon W. Ballard, Chesapeake  
S Mrs. F. Allen Brown, Roanoke  
G Mrs. Guy Kirby, Norfolk  
G Dr. Anne L. Lee, Norfolk  
G Mr. Joseph E. Lynn, Jr., Buena Vista  
E Mrs. John W. McCoy, Roanoke

G Mr. Louis McDonald, Lynchburg  
G Mrs. Robert L. Munn, Virginia Beach  
E Mrs. Nelson O. Price, Blacksburg  
G Mrs. A. W. Rice, Roanoke  
S Mrs. Charles F. Roberts, Norfolk  
G Mr. Archie Stanton, Norfolk  
G Mr. Fred G. Stephenson, Roanoke  
G Mrs. F. G. Ward, Virginia Beach  
G Mr. Lloyd G. Zurbrigg, Radford

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- E Mr. B. J. Brown, Charlotte
- E Mrs. B. J. Brown, Charlotte
- G Mrs. Craven B. Helms, Monroe
- G Mrs. Hubert Johnston, Jamestown
- E Mrs. Sentelle Jones, Rocky Mount
- G Mr. Ralph E. Lewis, Durham
- G Mr. Robert McElheny, Black Mountain
- S Mr. C. C. O'Brien, Greensboro
- G Mrs. C. C. O'Brien, Greensboro
- G Mrs. D. H. Parham, High Point
- G Mr. Frank Sherrill, Davidson
- G Mr. John H. Wilson, Greensboro

### *West Virginia*

- G Mr. James Aultz, Huntington
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- G Mrs. J. B. Crozier, Jaeger
- G Dr. Claude J. Davis, Morgantown
- G Mr. W. D. Kelley, Lewisburg
- G Mrs. J. R. McCracken, Walker
- G Mrs. J. L. Summers, Parkersburg
- E Mrs. C. L. Watson, Parkersburg

### *Maryland*

- G Mr. Frank Bennett, Laytonsville
- G Mr. Elton Bounds, Mardela Springs
- G Mrs. E. J. Hillyer, Rock Hill
- G Dr. D. C. Nearpass, Hollywood
- G Mr. Ivan Richmond, Silver Spring
- G Mr. Donnell M. Smith, Stevenson Station

### *District of Columbia*

- H Mr. Charles E. F. Gersdorff, Washington, D. C.

## REGION 5

### *South Carolina*

- G RVP, C. C. Chapman, Williston
- E Mr. Howard Farris, Rock Hill
- S Dr. Harvey Hobson, Clemson
- G Mrs. J. C. Lybrand, Wagener
- E Mrs. Gilbert H. Rowe, Columbia
- E Mrs. Ernest R. Thayer, Spartanburg
- G Mr. John A. Tyler, Jr., Wagener

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- G Mr. Milton W. Blanton, Atlanta
- G Mrs. Vivian Buchanan, Atlanta
- E Mrs. L. L. Butts, Thomaston
- E Mrs. Roy M. Carter, Gainesville

- G Mr. James H. Duren, Atlanta
- E Miss Helen Estes, Gainesville
- G Mrs. Drew Ferguson, West Point
- G Mr. Johnson B. Hale, LaGrange
- E Mrs. Willie E. Rice Hurst, Marshallville
- E Mrs. E. Clifford Lowry, Atlanta
- G Mrs. Joe S. Nesbit, Norcross
- E Mrs. E. Fay Pearce, Atlanta
- E Mrs. Laura Reeves, Gainesville
- G Mr. M. Boydston Satterfield, Atlanta
- G Mrs. T. E. Tolleson, Atlanta
- E Mrs. J. W. Weaver, Rome

## REGION 6

### *Ohio*

- G RVP, Mr. Anthony Willott, Cleveland
- S Dr. Raymond C. Allen, Mansfield
- E Mrs. Frank A. Biggio, Steubenville
- G Miss Olive M. Bowman, Woodville
- S Mr. Edward H. Bretschneider, Columbus
- G Mr. Paul Brink, Milan
- G Mr. Marion F. Dow, Crestline
- G Mr. Lee Eberhardt, Springfield
- E Mrs. V. R. Frederick, Urbana
- G Mr. Harry M. Hanna, Burbank
- G Mr. L. P. Irwin, Oxford
- E Mrs. Joseph Kerekes, Bedford
- G Gerald Koehler, Forest
- G Mrs. James E. McClintock, North Olmsted

- G Mr. Steve C. Moldovan, Avon
- S Mrs. Carl Naas, Celina
- H Mr. Harry R. O'Brien, Worthington
- G Mr. Z. Ranson Prentiss, Akron
- G Miss Pauline Reindl, Crestline
- G Mrs. C. W. Schmalstig, Dayton
- G Mrs. Herbert S. Shinkle, Dayton
- G Mr. Edmond M. Siegling, Columbus
- G Mrs. Harold Slessman, Willard
- G Mr. Fred Taylor, Masury
- G Mrs. Frederick Thaler, Mansfield
- E Mrs. E. D. Warner, Brookville
- H Mr. Donald G. Waters, Elmore
- G Mr. D. Paul Wickersham, Urbana
- G Mr. Vincent G. Wiley, Columbus
- E Mrs. Harry Wilkie, Bellbrook
- G Mrs. Anthony Willott, Cleveland

### *Indiana*

G Mr. Donald Anderson, Columbus  
G Mrs. Adda Ayres, Red Key  
E Mrs. James Crist, Franklin  
G Mrs. Paul Dunbar, Indianapolis  
G Mr. Joseph Fedor, Anderson  
G Mrs. Bernard E. Hobbs, Noblesville  
E Mr. Bernard E. Hobbs, Noblesville  
H Mrs. Frances C. Horton, Elkhart  
E Mrs. Clyde H. Husselman, Waterloo  
E Mrs. Glen Kildow, Alexandria  
G Mr. Forrest V. McCord, Muncie  
G Mrs. Leo Noirot, Waterloo  
G Mrs. C. Daniel Overholser, New Albany  
G Mrs. Noel E. Proctor, Fairmount  
G Mr. Earl R. Roberts, Indianapolis  
G Mr. Clarence A. Swearingen, Terre Haute  
E Mr. Ray Thomas, Indianapolis  
G Mr. Harold W. Van Treese, Indianapolis  
S Mr. Walter Welch, Middlebury  
E Mr. Robert Welshans, Indianapolis  
S Miss Mary Williamson, Bluffton  
G Mrs. Jeff Zuercher, Portland

### *Tennessee*

G RVP, Mr. Jake H. Scharff, Memphis  
G Mrs. D. C. Apperson, Memphis  
G Mrs. Nathan Bauman, Memphis  
S Mr. W. T. Bledsoe, Fayetteville  
E Mrs. W. T. Bledsoe, Fayetteville  
G Mr. Joe Brinkerhoff, Memphis  
H Mr. Sam Y. Caldwell, Nashville  
S Mr. Robert S. Carney, Memphis  
G Mrs. Glen Childress, Dyersburg  
G Chaplain C. S. Cunningham, Murfreesboro  
G Mrs. Ray M. Dalrymple, Sr., Memphis  
H Mr. Geddes Douglas, Brentwood  
G Mr. C. W. Flowers, Memphis  
G Mr. Ben L. Fonville, Memphis  
H Mrs. Edwin R. Fox, Memphis  
G Mr. A. E. Galyon, Knoxville  
G Dr. Frank Galyon, Knoxville  
G Mr. C. H. Gunn, Memphis  
G Mr. P. M. Harding, Memphis  
E Mrs. E. Turley Harrel, Memphis  
E Mrs. Vivian G. Hill, Knoxville  
E Mrs. Noah Johnson, Memphis  
G Mrs. J. W. Judd, Chattanooga  
G Mrs. M. A. Kelly, Memphis  
G Mrs. O. W. Lyle, Chattanooga  
G Mrs. Luther B. Martin, Memphis

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S Mr. Jay C. Ackerman, Lansing  
G Mrs. Harry Arminger, Southfield  
G Mr. Bennett S. Azer, Mio  
G Mrs. Carl R. Bacon, Kalamazoo  
E Mrs. W. H. Barton, East Lansing  
G Mrs. Albert Blaine, Dearborn  
E Mrs. John L. Briggs, Kalamazoo  
G Mr. J. Nelson Brown, Birmingham  
E Mrs. Edwin R. Crosby, Flint  
E Mr. Earl A. Fairman, Flint  
G Mrs. Clarence G. Maynard, Royal Oak  
H Mr. Charles E. Morgan, Flint  
G Mr. George P. Morgan, Saginaw  
E Mrs. George P. Morgan, Saginaw  
G Miss Anne J. Noyes, Detroit  
G Mrs. Walter Piggott, Fenton  
G Dr. David L. Reath, Vulcan  
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E Mr. Ernest L. Shantz, Fairview  
G Dr. H. E. Viergutz, Farmington  
E Mr. Frank A. Williams, Kalamazoo  
E Mrs. Alfred Zink, Frankenmuth

## **REGION 7**

G Mrs. Daniel Meeks, Halls  
G Mrs. Raymond Miller, Memphis  
G Mrs. Guy Moran, Knoxville  
G Mrs. Fred O. Mynatt, Halls  
G Mr. H. W. Neubert, Knoxville  
E Mrs. John Palmer, Memphis  
G Mr. John Payne, Memphis  
G Mrs. Adelaide Peterson, Brentwood  
G Mrs. J. E. Redfern, Moscow  
H Mrs. Leo F. Reynolds, Memphis  
G Mrs. Shirley Sides, Memphis  
G Miss Helen Smith, Memphis  
G Mrs. J. B. Stovall, Memphis  
E Mrs. Edward Toulon, Memphis  
G Mrs. Bernice Ward, Ripley  
H Mr. Jesse E. Wills, Nashville  
E Mrs. C. A. Wyatt, Memphis

### *Kentucky*

G Mr. Franklin P. Brewer, Lexington  
S Mr. Carl Carpenter, Owensboro  
G Mrs. Anna Dodson, Louisville  
E Mrs. Reed Elliott, Lexington  
G Mr. R. E. Hale, Owensboro  
G Mr. Doyle B. Inman, Whitley City  
G Dr. Joseph B. Parker, Jr., Lexington  
E Mrs. Goebel Porter, Lexington  
G Mrs. Claude L. Ravan, Covington

### ***Kentucky (Cont.)***

G Mrs. V. E. Teeter, Louisville  
G Mrs. John W. Turner, Louisville

G Mrs. Bruce B. Vance, Louisville  
G Mrs. A. J. Vogt, Louisville

### **REGION 8**

#### ***Minnesota***

G RVP, Mr. G. F. Hanson, Minneapolis  
E Mrs. O. A. Bakke, Minneapolis  
E Rev. Paul E. Folkers, Anoka  
S Mr. Granville B. Cable, Minneapolis  
E Mrs. G. F. Lankow, Minneapolis  
E Mrs. D. C. Messer, Minneapolis  
G Rev. J. William Rossiter, Fairmont  
G Mr. Wilbert G. Sindt, North St. Paul  
G Mrs. Alice Stenoien, Minneapolis  
G Mrs. Clifford Stover, Minneapolis  
G Mrs. Tom D. Wright, Bloomington

#### ***Wisconsin***

S Mr. Arthur G. Blodgett, Waukesha  
G Mrs. Arthur G. Blodgett, Waukesha  
G Mrs. H. W. Goodrick, Brookfield  
E Mrs. Vera Hoefs, Greendale  
G Clarence Protzmann, Milwaukee  
G Mr. Robert Reinhardt, New Berlin  
G Mrs. Robert Reinhardt, New Berlin  
E Mr. Oscar Schroeder, Brookfield  
G Mrs. Earl J. Yunker, Taycheedah  
G Miss Nadine M. Yunker, Taycheedah

### **REGION 9**

#### ***Illinois***

G RVP, Lerton Hooker, Lombard  
S Mr. Fred Bond, Albion  
S Dr. C. E. Branch, Piper City  
G Mr. Horley Briscoe, White Hall  
G Mr. John C. Brown, Collinsville  
G Mr. Walter Button, Midlothian  
S Mrs. Fred H. Clutton, Highland Park  
G Mrs. Clyde Cox, Eldorado  
G Mr. Bernard Dudzik, Roselle  
H Mrs. William G. Du Mont, Evanston  
G Mrs. E. R. Elliott, Enfield  
H Mr. Orville W. Fay, Northbrook  
H Mr. Hubert A. Fischer, Hinsdale  
G Mr. Ferris Gaskill, Barrington  
H Mr. Richard Goodman, Riverside  
G Mrs. Wilma Greenlee, Horace  
G Mrs. Marge Hagberg, Westmont  
H Mr. David F. Hall, Wilmette  
S Mrs. Mildred Harrell, Aurora  
E Mrs. Grace Hinchcliff, Murphysboro  
H Mrs. Georgia Hinkle, Marion  
G Mr. G. E. Hubbard, DeKalb

G Mr. Leonard Juggle, Elmhurst  
G Mrs. Leda Knight, Omaha  
G Mr. Frank Lang, Melrose Park  
G Mr. David Lange, West Chicago  
G Mrs. Dorothy McKemie, Benton  
G Mr. James E. Marsh, Chicago  
G Mrs. L. F. Murphy, Mt. Vernon  
G Mr. Robert A. Ogle, Brookfield  
E Dr. Jesse L. Pickard, Benton  
G Mrs. Jesse L. Pickard, Benton  
S Brother Charles Reckamp, Techny  
G Miss Marilyn J. Redenbo, Tamalco  
G Mr. Nathan H. Rudolph, Aurora  
G Mr. Richard Sanders, Wheaton  
G Mrs. E. P. Sawyer, Gibson City  
G Mrs. Marilyn Sheaff, Ottawa  
G Mr. Walter W. Sir, Oak Park  
G Mr. Robert C. Smith, Robinson  
G Mr. James S. Tucker, Centralia  
G Mr. D. Steve Varner, Monticello  
G Mr. Edward E. Varnum, Villa Park  
G Mr. Paul Watts, Lombard

### **REGION 10**

#### ***Louisiana***

G RVP, Mrs. L. L. Robinson  
G Miss Aline Arceneaux, Lafayette  
G Mr. Charles W. Army, Lafayette  
G Miss Marie Caillet, Lafayette  
G Mrs. J. B. Clay, Lake Charles  
H Mrs. Walter Colquitt, Shreveport  
G Mrs. W. E. Conger, Arcadia  
G Mrs. Claude W. Davis, Baton Rouge  
E Mrs. Roy Davis, Shreveport

G Mrs. Vernon Lee Davis, New Orleans  
E Mrs. Robert Ehrhardt, Shreveport  
G Mrs. C. B. Hamilton, Baton Rouge  
E Mrs. Erwin Jordan, Alexandria  
H Mr. W. B. MacMillan, Abbeville  
H Mr. Ira Nelson, Laafayette  
G Mrs. Ruth Noel, Shreveport  
E Mr. Roderick H. Outland, Natchitoches  
G Mr. Nolan J. Sahuc, Lafayette  
G Mrs. A. P. Walther, Shreveport

## REGION 11

### *Wyoming*

- G RVP, Mrs. C. Arvid Nelson, Laramie
- G Mrs. Lowell A. Storm, Chugwater

### *Idaho*

- E Mrs. Floyd Bandy, Twin Falls
- G Mrs. Ed Conrad, Buhl
- E Mrs. Earl Craig, Midvale
- E Mrs. John D. Flatt, Twin Falls
- G Mrs. E. J. Henke, Boise
- E Mrs. J. C. Hickenlooper, Preston
- E Mrs. Don R. Holtz, Kellogg
- G Mr. Robert L. Jensen, Montpelier
- G Mrs. Alfred Kramer, Castleford
- E Mr. Neil Mogensen, Fruitland

- G Mrs. Ralph S. Nelson, Cocur d'Alcne
- E Mrs. Norman E. Purviance, Lewiston
- G Mrs. Estelle A. Ricketts, Jerome
- S Mrs. S. W. Smith, Twin Falls
- G Mrs. Glen Suitor, Eagle
- H Mrs. Mary Tharp, Payette
- S Mrs. C. W. Vallette, Declo

### *Montana*

- G Mrs. Marvin Hart, Missoula
- E Mrs. G. E. Lewis, Polson
- G Mr. Homer N. Metcalf, Bozeman
- E Mrs. S. F. Pimperton, Fort Benton
- E Mrs. E. M. Zimmerman, Billings

## REGION 12

### *Utah*

- G RVP, Dr. Odell Julander, Provo
- G Mrs. Margaret Y. Albright, Salt Lake City
- E Mrs. Evelyn Barkdull, Logan
- E Mrs. Chase Brian, Ogden
- E Mrs. David E. Burton, Salt Lake City
- E Mrs. Ralph Carlston, Salt Lake City
- S Mrs. Luzon Crosby, Orem
- G Mrs. T. O. Daley, Ogden
- E Mrs. R. Ervin Day, Fillmore
- G Mrs. Clyde M. Decker, Ogden
- G Mrs. Louis Deru, Ogden
- E Mr. John C. English, Salt Lake City
- E Mrs. John C. English, Salt Lake City
- E Mr. Walt Foulger, American Fork
- G Mr. J. R. Hamblen, Roy
- S Mrs. J. R. Hamblen, Roy
- G Mrs. H. C. Hansen, Logan
- H Mr. Fisher Harris, Salt Lake City
- E Mrs. Vernon R. Hutchins, Salt Lake City

- G Mrs. Ray E. Jensen, Logan
- G Mrs. Merrill S. Johnson, Salt Lake City
- S Mr. Carl A. Larsen, Salt Lake City
- E Mrs. Joan C. Lee, Orem
- G Mr. W. E. McClure, Ogden
- G Mr. George R. Mayberry, Provo
- E Mrs. W. R. Middlemiss, Salt Lake City
- S Mr. Tell Muhlestein, Provo
- E Mrs. Thomas Osguthorpe, Salt Lake City
- G Mr. Les Peterson, Salt Lake City
- G Mr. C. Meredith Reynolds, Bountiful
- G Mrs. C. Meredith Reynolds, Bountiful
- G Mr. Raymond C. Solomon, Salt Lake City
- E Mr. Herbert Spence, Ogden
- G Mrs. Merlin Tams, Wellsville
- G Mrs. Herman Theurer, Wellsville
- H Mr. Herman Thorup, Salt Lake City
- G Mr. Bion Tolman, Salt Lake City
- E Mr. Marvin A. Wallace, Murray
- G Mr. Frank L. Williams, Salt Lake City

## REGION 13

### *Washington*

- G RVP, Mr. Austin Morgan, College Place
- G Mr. Foster H. Allen, Washougal
- E Mrs. Marie H. Amend, Quincy
- G Mrs. G. D. Bletcher, Spokane
- G Mr. Donald J. Boen, Walla Walla
- E Mrs. Earl Bowyer, Vancouver
- E Mrs. C. T. Bromley, Richland
- G Mrs. Rex P. Brown, Lynnwood

- G Mrs. Tom M. Brown, Walla Walla
- G Mr. G. A. Carlson, Kennewick
- G Mr. Charles F. Carper, Seattle
- G Mr. Morris W. Carter, Greenacres
- G Mr. Fred R. Crandall, Seattle
- G Mrs. Herman Cusic, Colville
- S Mr. Merle Daling, Waterville
- E Mr. B. LeRoy Davidson, Seattle
- G Mrs. John C. Flagler, Seattle
- E Mrs. John W. Fox, Kennewick

### *Washington (Cont.)*

G Mrs. Alexia Gerberg, Naches  
G Mr. Joseph H. Hoage, Richland  
G Dr. Frederick R. Judy, Spokane  
E Mrs. W. H. Keen, Walla Walla  
G Mr. W. G. Kellie, Pasco  
E Mrs. Keith Kernkamp, Seattle  
E Mr. J. H. Kohl, Kennewick  
G Mrs. Jack G. Linse, Yakima  
G Mrs. Maxine G. Maynard, Puyallup  
H Mr. Alexander Maxwell, Yakima  
G Mrs. W. L. Mize, Bellingham  
G Mrs. Walter Noyd, Wenatchee  
G Mr. Herbert M. Parker, Richland  
E Mrs. Grace Pederson, Seattle  
G Mr. Gordon Plough, Wenatchee  
G Dr. Richard S. Rosenfels, Richland  
E Mrs. J. D. Ruggles, Bellingham  
H Mrs. Hazel Schmelzer, Walla Walla  
E Mrs. S. M. Sisley, Spokane  
G Mrs. Jake L. Smith, Waitsburg

G Mrs. Harriet Sparger, Clarkston  
E Mrs. Lewis Trout, Moses Lake  
E Mrs. W. R. Watkins, Kennewick

### *Oregon*

G Mr. Ronald J. Beattie, Canby  
H Mr. R. M. Cooley, Silverton  
H Mrs. Fred DeForest, Canby  
G Mr. Larry Ernst, Silverton  
E Mrs. Wesley Fournal, Milwaukie  
G Mrs. Mable Framke, Canby  
G Mr. Bennett C. Jones, Portland  
H Dr. R. R. Kleinsorge, Silverton  
H Mr. Walter M. Marx, Boring  
E Mrs. Edith Poe, Medford  
H Dr. Matthew C. Riddle, Portland  
G Mrs. Marjorie Roark, Grants Pass  
E Mrs. M. R. Samuelson, Salem  
H Mr. Bernard Schreiner, Salem  
H Mr. Robert Schreiner, Salem  
G Mr. George A. Shoop, Portland  
S Mr. Chet Tompkins, Canby

## REGION 14

### *California*

G RVP, Mrs. Bernice Roe, San Jose  
G Mr. Willard Akers, Healdsburg  
G Mrs. Ermah Ballard, Redding  
G Mrs. Sam Burnett, Citrus Heights  
G Mrs. E. V. Butler, Sacramento  
G Miss Lois Carnahan, Carmichael  
E Miss Mona Carnahan, Carmichael  
G Mr. Glenn F. Corlew, Walnut Creek  
E Mrs. Edith Coscarelly, San Jose  
G Mr. Frank L. Crouch, Berkeley  
G Mr. Sydney P. Dubose, Stockton  
G Mrs. Robert L. Dunn, North Highland  
G Mrs. H. F. Fail, Tulare  
G Mrs. Larry A. Gaulter, Castro Valley  
S Mr. Larry Gaulter, Castro Valley  
G Mr. Ralph Geyer, Mt. View  
G Mr. Joseph J. Ghio, Santa Cruz  
G Mr. James M. Gibson, Porterville  
G Mrs. Peggy Burke Grey, Calistoga  
G Mr. Ben Hager, Stockton  
G Mr. Clyde B. Hitchcock, Carmel Valley  
G Mrs. L. J. Holloway, Roseville  
G Mrs. Marilyn Holloway, Sacramento  
G Mr. Frank E. Hutchings, San Leandro  
E Mrs. Jim Ingle, Tulare  
G Mrs. Ethel A. Johnson, Hayward  
G Mr. George W. Johnson, Hayward  
H Dr. Stafford Jory, Berkeley  
G Mr. Keith Keppel, Stockton

G Mr. Maynard Knopf, Potter Valley  
G Mr. Milton W. Lazansky, Lafayette  
G Mrs. Paul Long, Manteca  
G Mrs. Frank Luevano, North Sacramento  
G Mr. Walter Luihn, Hayward  
G Mr. Paul Maxim, Redding  
E Mrs. Paul Maxim, Redding  
E Mrs. Grant Merrill, Exeter  
E Mr. George Milton, Stockton  
G Mrs. Al Nahas, Sacramento  
E Mrs. R. Nelson Nicholson, Stockton  
G Mr. Roy Oliphant, Berkeley  
G Dr. M. A. Peel, San Jose  
G Mr. Donald L. Peterson, Campbell  
E Mr. Bryce Phenis, Chico  
G Mr. Carl A. Quadros, Sacramento  
G Mr. Fremont F. Radcliffe, Pittsburg  
H Miss Clara B. Rees, San Jose  
S Miss Ruth Rees, San Jose  
S Mrs. A. L. Romer, Ukiah  
G Mr. W. B. Shortman, Porterville  
G Miss Hazel Stewart, San Jose  
G Mrs. Mona Stipp, Ukiah  
E Mrs. Eleanor Vennum, San Jose  
E Mrs. Alfred B. Waters, Rio Linda  
G Mr. Vernon Wood, Berkeley

### *Nevada*

E Mrs. Jean P. Breeze, Las Vegas  
E Mr. J. R. Sanfratel, Las Vegas

## REGION 15

### *California*

- G RVP, Mr. Thornton M. Abell, Santa Monica  
G Mrs. Kenneth Anderson, La Canada  
G Mrs. Sereno E. Brett, Santa Barbara  
S Mrs. Laura Burbridge, Van Nuys  
G Mrs. Louis B. Byers, Monrovia  
G Mrs. N. R. Carrington, San Diego  
G Mr. Ralph Conrad, Van Nuys  
G Mrs. D. D. Cook, North Hollywood  
G Mrs. George W. Coppedge, Tarzana  
S Dr. Clarke Cosgrove, San Gabriel  
S Mr. Thomas Craig, Escondido  
S Mrs. J. C. Cruise, Yucaipa  
G Mrs. Thomas Dabagh, South Pasadena  
G Mr. Phillip Edinger, Santa Monica  
G Mrs. Charles R. Foster, Sierra Madre  
G Mrs. Harry B. Frey, Riverside  
G Mrs. Dick Hadley, Arlington  
G Mrs. Mildred Hancock, Taft  
S Mrs. Elsie Heimer, Sherman Oaks  
G Mr. Russell Hopson, San Gabriel  
G Mrs. Clarence Joris, San Bernardino  
G Mrs. F. L. Kallam, Pasadena

- G Mrs. L. Brooks Lawson, Valley Center  
S Dr. Lee W. Lenz, Claremont  
G Mrs. David W. Lyon, Northridge  
G Mrs. William Messick, Taft  
S Miss Elma Miess, Calimesa  
G Mrs. George W. Nelson, Arlington  
S Mrs. Archie M. Owen, San Gabriel  
H Mrs. Douglas Pattison, Corona Del Mar  
G Mrs. B. D. Pilley, Valley Center  
G Mrs. George M. Roach, Los Angeles  
G Mrs. Barbara Serdynski, Los Angeles  
E Mr. George Stambach, Pasadena  
H Mrs. Otto Stuetzel, Woodland Hills  
G Mr. Collie S. Terrell, Wasco  
H Mr. Marion R. Walker, Ventura  
G Mr. James E. Watkins, Fallbrook  
G Mr. Robert R. Young, Lompoc

### *Arizona*

- G Mrs. Ralph A. Johnson, Phoenix  
G Mrs. M. B. Marrow, Phoenix  
G Mr. Herbert McKusick, Globe  
E Mrs. Paul Orick, Phoenix  
G Mrs. Mary Reed, Chandler

## REGION 16

### *Canada*

- G RVP, Mr. Douglas Insleay, Montreal, Ont.  
H Rev. W. T. Corcoran, Stratford, Ont.  
G Mr. Donald V. Fritshaw, Hamilton, Ont.  
E Mrs. Leslie Laking, Burlington, Ont.  
E Mrs. W. A. Harris, Toronto, Ont.

- E Mr. O. A. Kummer, Preston, Ont.  
G Mrs. William McCann, Thorold, Ont.  
G Mr. Bruce Richardson, Hannon, Ont.  
G Mrs. Alberta Richardson, Hannon, Ont.  
G Mr. M. D. Smith, Toronto, Ont.  
H Mr. R. M. White, West Summerland, B.C.

## REGION 17

### *Texas*

- G RVP, Mrs. Joe Bergin, Dallas  
G Mrs. A. M. Aiken, Paris  
G Mr. James R. Allen, New Braunfels  
E Mrs. H. P. Balengee, Phillips  
G Mr. Z. G. Benson, Wichita Falls  
E Mrs. Edwin Berg, El Paso  
E Mrs. Cecil Biggs, Temple  
G Mrs. J. Gordon Bristow, Big Spring  
G Mrs. L. E. Brooks, Iowa Park  
G Mrs. Robert L. Bruce, El Paso  
G Mr. J. H. Burge, Denton  
G Mrs. Lawrence Burt, Waco  
E Mrs. E. F. Campbell, Morgan  
G Mrs. R. L. Campbell, Sherman  
E Mrs. Margaret Scruggs Carruth, Dallas

- E Mrs. E. S. Carter, Wichita Falls  
G Mrs. Preston L. Childers, Temple  
G Dr. J. W. Collier, College Station  
S Mr. W. R. Cochran, Dallas  
E Mrs. E. L. Derr, Chillicothe  
G Mrs. J. D. Dillard, Midland  
G Mrs. W. Shelbie Dodd, Dallas  
G Mr. L. E. Flanagan, Ft. Worth  
G Mr. Scott Fikes, Fort Worth  
G Mr. David J. Flesh, Jefferson  
E Mrs. H. F. Fulkerson, Dallas  
E Mrs. Fred Girdley, Midland  
G Mrs. Doyle Gray, Belton  
G Mr. H. H. Henkelman, Ft. Worth  
G Mrs. Walter C. Hodges, Dallas  
G Mr. Paul Horn, Ft. Worth  
G Mr. T. E. Hughes, Mansfield



### ***Texas (Cont.)***

G Mr. Tom J. Hughes, Mansfield  
E Mrs. Morley Jennings, Lubbock  
E Mrs. John L. Johnson, Teague  
G Mrs. L. O. Jordan, Dallas  
G Mrs. Tom C. Kelk, Ben Wheeler  
E Mrs. Ruth B. Kensel, Wichita Falls  
G Mrs. Jack L. Lawhorn, Temple  
G Mr. W. D. Lee, Houston  
G Mrs. Joe M. Leonard, Gainesville  
E Mrs. O. R. Littell, Odessa  
E Mrs. E. E. Louthan, Lubbock  
G Mr. Martin McMillan, Dallas  
G Mrs. Houston McMurry, Henrietta  
G Dr. Al B. Nelson, College Station  
E Mrs. Al B. Nelson, College Station  
G Mr. M. W. Norton, Jr., Dallas  
G Mrs. M. W. Norton, Jr., Dallas

G Mrs. Stayton Nunn, Houston  
G Mr. William K. Patton, Matador  
E Mrs. H. W. Perkins, Wichita Falls  
E Mrs. Hugh A. Purnell, Dallas  
G Mrs. Joe E. Reese, Brownwood  
G Mrs. Elizabeth Reneau, Belton  
H Judge Guy Rogers, Wichita Falls  
H Mrs. Guy Rogers, Wichita Falls  
G Mrs. Les Rowland, Abilene  
E Mrs. William A. Salmon, Marshall  
G Mrs. John C. Sexton, El Paso  
G Mrs. D. E. Smith, Jr., Midland  
G Mrs. Mary F. Stevens, Ft. Worth  
S Mrs. A. M. Tallmon, Ft. Worth  
G Mrs. Joe B. Thorn, Gordonville  
S Mr. Roy E. White, Ft. Worth  
G Mrs. Mabel Wilkerson, Dallas  
G Mr. Leon C. Wolford, Dallas

## **REGION 18**

### ***Missouri***

G RVP, Mr. G. Allen Harper, Kansas City  
G Miss Mary Becker, Kansas City  
E Mrs. Herman Becker, Kansas City  
G Mr. Clifford W. Benson, Chesterfield  
E Mrs. L. F. Bosch, Maryville  
E Mrs. Florence Brower, Granby  
G Miss Lily Buder, St. Louis  
S Mrs. Walter H. Buxton, St. Louis  
G Mrs. James Lee Chism, Festus  
S Dr. Lewis Clevenger, Kirksville  
G Mrs. Betty Ann Crockett, Joplin  
S Mrs. W. O. Fleck, Independence  
G Miss Annabel Henrich, Ironton  
S Dr. William Hunt, St. Joseph  
G Mr. Edward Justice, Aurora  
G Mrs. E. P. Kieferle, St. Ann  
G Mrs. Wallace Klemp, Bonne Terre  
G Mr. M. J. McHugh, Kansas City  
G Mr. C. Robert Minnick, Kansas City  
E Mrs. Evelyn Minnick, Kansas City  
G Mrs. Paul Newman, Ironton  
G Mr. O. D. Niswonger, Cape Girardeau  
G Mr. Marvin Olson, Webster Groves  
G Mr. Ray C. Palmer, Manchester  
G Mrs. Ray C. Palmer, Manchester  
E Mrs. G. W. Pennewill, University City  
G Mrs. Victor Quesnell, Farmington  
G Mrs. Fred Rentfro, Flat River  
G Mr. Elvan E. Roderick, Flat River  
S Mr. Glenn Rogers, Independence  
S Dr. Walter H. Ryle, Kirksville

S Mrs. J. A. Sapp, Joplin  
H Mr. Carl O. Schirmer, St. Joseph  
H Dr. Henry W. Schirmer, St. Joseph  
S Mr. W. F. Scott, Jr., Ferguson  
S Mr. Herman Selle, Kansas City  
G Mr. Stanley G. Street, Independence  
G Mrs. Stanley G. Street, Independence  
S Mr. Elmer Tiemann, Frederickstown  
G Miss Gene Wild, Sarcoxie

### ***Kansas***

S Mr. Orville Baker, Wichita  
G Mrs. Bert Brickell, Emporia  
G Mr. Roy Brizendine, Topeka  
G Mrs. Mildred Brizendine, Topeka  
G Mr. W. F. Brown, Wichita  
G Miss Mabel Fitch, Shawnee  
G Mrs. Helen Graham, El Dorado  
G Mr. Herbert Graves, Friends  
G Mrs. Ervin Gruben, Scott City  
S Mrs. C. R. Harry, Home  
E Mrs. Francis Haegney, Seldon  
E Mrs. Paul Hatcher, Emporia  
E Mrs. Charles Heisz, Seldon  
G Mr. Arthur P. Jensen, Wichita  
G Mr. Floyd Jones, Garden City  
S Rev. David R. Kinish, Atchison  
G Mrs. Albert G. Lauck, Winfield  
G Mr. Russell Morgan, Wichita  
S Mr. John Ohl, Leon  
G Mr. Fred Paulson, Wichita  
E Mrs. Harlan Rogers, Emporia  
G Mrs. J. H. Salley, Liberal

**Kansas (Cont.)**

G Mr. Lloyd Schoonover, Humboldt  
 E Mrs. N. J. Smiley, Stafford  
 G Mrs. Beryl Smith, Horton  
 G Mr. Ralph Stuart, Wichita

G Mrs. J. F. Trimpa, Sublette  
 G Dr. Hugo Wall, Wichita  
 G Mrs. Hugo Wall, Wichita  
 G Mr. George Warner, Junction City

**REGION 19****New Jersey**

G RVP, Mr. Willard I. Rogers, Berkeley Heights  
 G Mrs. Elizabeth Aulicky, Martinsville  
 G Mrs. A. L. Bellmer, Hohokus  
 G Mr. Raymond J. Blicharz, Trenton  
 G Mr. Franklin E. Carr, Bordentown  
 E Mrs. Eileen Donohue, Clinton  
 G Mr. Joseph Gatty, Fair Lawn  
 H Miss Harriette R. Halloway, Plainfield  
 G Mrs. Paul L. Hoffmeister, Westwood

G Mr. Paul L. Hoffmeister, Westwood  
 G Dr. Frederick J. Knocke, Reddington  
 G Mr. Melvin Leavitt, Whitehouse  
 G Mr. Clement B. Reeves, Jr., West Cape May  
 H Mrs. F. P. Walther, Upper Montclair  
 G Mr. Ira E. Wood, New Providence  
 G Mrs. Ira E. Wood, New Providence

**New York**

H Mr. Edwin Rundlett, Staten Island  
 H Mr. Kenneth D. Smith, Staten Island  
 S Mrs. Kenneth D. Smith, Staten Island

**REGION 20****Colorado**

G RVP, Mr. Joseph O. Riley, Denver  
 G Mr. Frederick A. Adams, Denver  
 G Dr. R. W. Adams, Colorado Springs  
 G Mr. O. T. Baker, Denver  
 S Dr. John R. Durrance, Denver  
 G Mr. C. P. Gordon, Denver  
 G Mrs. Arthur Gray, Salida  
 G Mr. Ralph B. Hargreaves, Denver  
 G Mr. John Hartman, Arvada

G Mrs. Samuel L. Heacock, Denver  
 G Mrs. Edith L. Lincoln, Pueblo  
 S Mr. Everett C. Long, Boulder  
 H Dr. P. A. Loomis, Colorado Springs  
 G Mrs. Ruth Pressey, Bayfield  
 G Mrs. H. L. Shields, Bayfield  
 G Mr. William H. Slensker, Denver  
 G Mr. Don Weber, Denver  
 G Mrs. Ethel Weber, Denver  
 G Mrs. Charles Wedow, Denver

**REGION 21****Iowa**

G RVP, Mr. Floyd Helt, Sioux City  
 G Mrs. Paul Anderson, Des Moines  
 G Mr. W. C. Carter, Mitchellville  
 G Mr. George Dubes, Sioux City  
 E Mrs. J. E. Dvorak, Sioux City  
 G Mrs. B. E. Ellis, Ottumwa  
 S Mr. E. A. Emery, Sioux City  
 S Mrs. J. G. Gutekunst, State Center  
 E Mrs. L. N. Hockett, Marshalltown  
 E Mrs. John Loughlin, Cherokee  
 H Mrs. Ralph Ricker, Sioux City  
 G Mr. Arthur E. Rowe, Jr., Mason City  
 H Mrs. Charles G. Whiting, Mapleton  
 H Mr. Charles G. Whiting, Mapleton  
 G Dr. R. W. Wilder, Stanhope  
 E Mrs. John E. Young, Afton

E Mrs. W. W. Carlson, Omaha  
 G Mrs. J. N. Cox, Norfolk  
 E Mrs. John Geissler, Omaha  
 E Mrs. John Graff, Omaha  
 G Miss Hazel Grapes, Big Springs  
 G Mrs. Leon High, Lexington  
 G Mr. Les Hildenbrandt, Lexington  
 G Mrs. Charles Kavan, Omaha  
 S Mr. W. W. Keeling, Falls City  
 G Mr. L. F. Kelly, Omaha  
 E Mrs. Joe Macholan, Dorchester  
 E Mrs. Fred Mack, Atkinson  
 G Mrs. J. Arthur Nelson, Omaha  
 S Mr. J. Arthur Nelson, Omaha  
 E Mrs. Dial Nolan, Lexington  
 G Mrs. Pat Parsons, Lincoln  
 E Mrs. N. S. Pederson, Norfolk  
 G Mr. G. E. Redman, Ralston  
 E Mrs. V. C. Robertson, Chambers  
 H Mr. Henry Sass, Omaha

**Nebraska**

G Mrs. F. D. Armstrong, Omaha  
 G Mr. Wayne Buckholz, Lexington

### *Nebraska (Cont.)*

- G Mr. Arnold Schliefert, Murdock
- G Mrs. Frank Skrdla, Atkinson
- E Mrs. Joseph Wishart, Lincoln
- G Mrs. B. L. Wolff, Lexington

### *South Dakota*

- E Mrs. Francis Bingen, Andover
- E Mrs. Arthur Bonham, Britton
- E Mrs. Herman Knock, Sioux Falls
- E Mrs. Edythe Mock, Britton
- E Dr. Jesse W. Rawson, Brookings
- G Mr. Clifford Smith, Vermillion

## REGION 22

### *Oklahoma*

- G RVP, John W. Humphrey, Stillwater
- G Mr. Wiley Abshire, Guthrie
- G Mrs. H. B. Atkinson, Midwest City
- E Mrs. Mary Barefoot, Lindsey
- G Mr. M. B. Bartley, Enid
- E Mrs. Paul E. Cherry, Tyrone
- E Mrs. C. C. Clark, Sentinel
- E Miss Theda Clark, Woodward
- E Mr. Clyde Cochran, Miami
- G Mrs. Howard Estes, Oklahoma City
- G Mr. W. G. Frass, Enid
- E Mrs. J. F. Frye, Duncan
- G Mrs. R. L. Gilbert, Lawton
- G Mrs. H. B. Glitsch, Woodward
- H Miss Eleanor Hill, Tulsa
- E Mrs. John E. Jennings, Wynnewood
- G Mrs. Charles E. Kenney, Tulsa
- G Mrs. Ed C. Kurtz, Walters
- G Mrs. L. M. Limpus, Tulsa
- G Mrs. Helen McCaughey, Oklahoma City
- G Mrs. J. B. McConnell, Tulsa
- G Mrs. H. G. Plato, Oklahoma City
- G Mrs. Frank O. Pohlemann, Anadarko
- S Mrs. Russell Pryer, Oklahoma City
- E Mrs. Robert E. Ritter, Oklahoma City
- E Mr. J. Lee Rogers, Bison
- G Dr. M. L. Saddoris, Cleveland

- G Mrs. M. L. Saddoris, Cleveland
- E Mr. Ted Schwachhofer, Muskogee
- G Mr. Kenneth J. Shaver, Bethany
- G Mrs. Iris Smith, Hitchcock
- G Mrs. Zip Smith, Oklahoma City
- G Mrs. Cyrus Stanley, Oklahoma City
- G Mr. Lil E. Stoner, Enid
- G Mrs. James G. True, Lawton
- E Mrs. J. J. Truscott, Shawnee
- E Mrs. C. A. Wilde, Catoosa
- G Mr. A. L. Woodall, Woodward

### *Arkansas*

- E Mrs. Roscoe Blount, Little Rock
- G Mr. Richard C. Butler, Little Rock
- G Mr. Oren E. Campbell, North Little Rock
- G Mr. George T. Cannon, West Helena
- G Mrs. George T. Cannon, West Helena
- S Mr. Frank E. Chowning, Little Rock
- G Mr. Zeh Dennis, Jr., Hot Springs
- G Mrs. Zeh Dennis, Jr., Hot Springs
- E Mr. Richard Morgan, Little Rock
- G Mrs. Vay B. Sargo, Hot Springs
- G Mrs. C. VanHapert, Hot Springs
- G Mrs. Leo Whitten, North Little Rock
- E Mrs. Tracy Witherington, Camden
- G Mrs. Everett Womack, Lonoke
- G Mr. Wally Ziminiski, Ft. Smith

## REGION 23

### *New Mexico*

- G RVP, Mrs. B. O. Barnes, Albuquerque
- E Dr. E. F. Casterter, Albuquerque
- E Mrs. W. J. Davis, Anthony
- E Mrs. George Doolittle, Albuquerque
- G Mrs. Irby Downey, Albuquerque
- G Mrs. Earl Gould, Albuquerque
- G Mr. Frank Kalich, Albuquerque
- E Mrs. Earl Kaufman, Santa Fe

- G Mrs. Bernard Lowenstein, Albuquerque
- E Mrs. W. M. McGrath, Albuquerque
- E Mrs. W. H. McKinley, Roswell
- G Mrs. Earl Mount, Albuquerque
- G Mr. Howard Shockey, Albuquerque
- G Mrs. Eugene Sundt, Albuquerque
- G Mr. Ernest Wilson, Albuquerque
- E Mrs. James R. Yocum, Albuquerque

## REGION 24

### *Mississippi*

G RVP, Mrs. Reuben Sawyer, Jonestown  
G Mrs. George Adkins, Jackson  
G Miss Evelyn Barbour, Vicksburg  
G Mr. Halbert Cunningham, Crawford  
E Mrs. J. D. Duke, Meridian  
G Mr. Warren Greff, Sr., Jackson  
E Mrs. Everette H. Hughes, Jackson  
E Mrs. Hugh H. Johnston, Vicksburg  
E Mrs. M. M. LeBaugh, Columbus  
E Mrs. A. Clark List, Jackson  
E Mrs. Frank McCann, Jackson  
H Mr. B. Y. Morrison, Pass Christian  
G Mrs. A. K. Primos, Jackson  
E Mrs. E. C. Ratliff, Jr., Clinton  
G Mrs. T. B. Revell, Jr., Grenada  
G Mr. W. D. Shewmake, Greenwood  
E Mrs. W. D. Shewmake, Greenwood  
G Mrs. William H. Smith, Sartartia  
E Mrs. J. Ellis Taylor, Starkville  
G Mrs. H. P. Tipton, Horn Lake  
G Mrs. Littleton Upshur, Jackson  
E Mrs. B. L. Vincent, Meridian  
G Mrs. K. W. Wall, Meridian  
E Mrs. Eugene Woolfolk, Senatobia

### *Alabama*

G Mrs. Ernest Batson, Florence  
G Mrs. Paul Frank Boon, Birmingham  
E Mrs. E. D. Bosserman, Grant  
G Mrs. B. W. Branum, Huntsville  
G Mr. H. A. Brush, Birmingham  
G Mr. B. Howard Camp, Albertville  
E Mrs. B. Howard Camp, Albertville

G Mrs. A. P. Cockrell, Birmingham  
E Mrs. John T. Collier, Decatur  
E Mrs. E. H. Couch, Guntersville  
E Mrs. P. G. Cowden, Birmingham  
G Mrs. Ruth T. Fletcher, Gadsden  
G Dr. L. E. Fraser, Florence  
G Mrs. Floyd Garner, Albertville  
G Mrs. H. C. Hendricks, Birmingham  
E Mrs. Willard Irwin, Moulton  
G Mrs. A. Russell Jolly, Sheffield  
G Mrs. A. I. Kuykendall, Guntersville  
E Mr. Joe M. Langdon, Birmingham  
G Mrs. Joe M. Langdon, Birmingham  
E Mrs. Herman Lollar, Birmingham  
G Mrs. R. W. McLaney, Huntsville  
G Mrs. E. P. Miles, Birmingham  
E Miss Nan Elizabeth Miles, Birmingham  
G Mrs. Perry H. Morton, Gadsden  
G Mr. W. H. Ponder, Gadsden  
G Mrs. Maiben C. Reynolds, Birmingham  
G Mrs. Robert Robinson, Gadsden  
G Mr. Herbert L. Sherrod, Tusculumbia  
G Mrs. Donald Snell, Huntsville  
G Mrs. R. P. Van Valkenburgh, Huntsville  
E Mrs. R. L. Vaughn, Birmingham  
G Mr. Mel Wallace, Birmingham  
E Mrs. Mel Wallace, Birmingham  
G Mr. Giles P. Wetherill, Huntsville  
E Mrs. Earl Ziegenhagen, Birmingham

## JUDGES IN OTHER COUNTRIES

### *England*

H Mr. H. Castle Fletcher, London  
H Mr. H. Senior Fothergill, Kent  
G H. R. Jeffs, Morden, Surrey  
H Mr. Geoffrey L. Pilkington, Surrey  
(Haslemere)  
H Mr. Harry J. Randall, Beaconsfield,  
Bucks

H Mr. L. W. Brummitt, Oxon

### *Mexico*

H Miss Eva E. Faught, Cuernavaca,  
Mor.

### *New Zealand*

H Mrs. Jean Stevens, Wanganui

## REGIONAL MEETINGS AND JUDGING SCHOOLS

If each RVP will mail to the Editor the dates and the places of Regional Meetings and of Judging Schools, we will publish the list in the BULLETINS. For the Judging Schools, add the name of the instructor. We think that these announcements may bring some out-of-region irisarians to your meetings.

## AN IRIS GARDEN FOR FIFTY DOLLARS



*Winter Night's Dreaming*

We posed the following question to a number of our good gardeners, in the hope that this BULLETIN can be a source of information to beginners and to those to whom we hand our BULLETINS to read.

*Suppose that you were starting over, but had your present knowledge about iris culture and varieties, and had fifty dollars to spend. What varieties would you buy?*

### *Fifty—Fifty*

MILDRED R. JOHNSON

To have \$50.00 to spend on an iris garden would be no problem if I were a novice planting my first iris, but to make a choice among the many beauties I've known throughout the years simply throws me into a "tizzy." Where to start! Where to stop! Shall I concentrate on Tall Bearded varieties only, or shall I use this bonanza on more than the well known TB irises?

I think I'll choose some Tall Bearded ones first; then add a few others for variety and for succession of bloom.

Since the pinks are the newest exciting color in iris, I'd decide between LYNN HALL, PINK ENCHANTMENT and CATHEDRAL BELLS; probably CATHEDRAL BELLS would win out because the cost is low, and I know it is a good grower in this area.

By contrast I'd like a "darkie." Will it be LA NEGRA FLOR, INDIGLOW or SABLE NIGHT? I guess I'd take INDIGLOW since it grows tall and it multiplies well. If I could manage, perhaps I'd get LA NEGRA FLOR, too, since it is dark from the reddish side and INDIGLOW is from the blue side. They both are lovely.

I'd want a ruffled iris; color wouldn't matter much. The lacing of JAN ELIZABETH appeals, and the light ruffling I saw on WINTER OLYMPICS was delightful. But in the interest of my 50/50 budget, I think that I would settle for an older one, SNOW FLURRY, which never disappoints the viewer.

There must be an Arilbred or two among this planting, so I'd look at KALIFA KABUL's brown-splashed yellow flower, and WIND SHADOW's dusky greyed blossom with the brown around the beard, and MOHRNING HAZE's greyed lavender head. I'm afraid MOHRNING HAZE wins me over; it is breathtakingly beautiful.

I will want a very large flower to make visitors *oooh* and *ahhh*, and while the beautiful MADAMOISELLE and AMETHYST FLAME both grow large flowers, I'd settle for good old faithful ELMOHR for sheer performance over the years.

A good Spuria clump is an asset to flower arrangers as the foliage lends itself to all of kinds of Iris. Old *I. ochroleuca's* ivory flower doesn't amount to much as garden value, so I'll get DUTCH DEFIANCE as the flowers in violet-blue would make good arrangements, too.

It would be a pity if a Siberian Iris or two were not included in my new garden. Since these are all very nominal in cost, I think I might order a collection which might include VELVET GOWN, TYCOON, SNOWCREST and ERIC THE RED. On the other hand, it might be better to get WHITE SWIRL and COOL SPRING, both of which have good foliage that is nice in the summer garden all season. I'd have to think about this before making a decision.

Back to the TB's, with plicatas in mind, a choice from among the blue DOTTED SWISS, or the purple KIMBERLEY, or the henna WILD GINGER, or the dark DOT AND DASH would make me think twice; but on second thought I'd wait on WILD GINGER (money being the deciding factor) and choose KIMBERLEY and DOT AND DASH. I just could not decide between them.

Since I enjoy irises the year-round, I'd get a few *reticulata* bulbs; CANTAB, the light blue, starts the season off in earliest spring.

It would seem a good idea to put in a few Dutch irises, keeping the planting shallow. A dozen of the bicolor HARMONY, and a dozen of the pale blue LADY DERBY, would be a good start.

I wouldn't leave out the rebloomer MARTIE EVEREST, which is the most reliable here, and blooms in September and October, as well as in the spring. While the blue-purple flowers are not show winners in spring, they are sweet smellers in the fall, and a fall-blooming iris is a winner itself.

Where does the money go? I'd want a small one or two, so in the Medians I'd think about the dark LITTLE SAMBO, the pink MOON TALK, or the blend LITTLE GEM. I must have all three of these.

Oh, yes, I would top off this new planting with the luscious bronze, BRASS ACCENTS.

Good heavens, did I go over the \$50.00? Well, I don't think I can "un-change" my mind! I wonder if I could float a loan, or maybe I can just feed the family beans a couple of nights to make up the difference. Yes, that's what I'll do.

Now . . . I must save up for next year for the ones I had to bypass. There is no end to this Iris passion, and I'm glad because this is joy the year round . . . and next year I must get that red, MAIN EVENT.

*Mrs. Merrill S. Johnson is an officer of the Utah Iris Society, Secretary and Associate Editor of the Region 12 Year Book, Iris Horticultural Chairman of the Utah Associated Garden Clubs, and an AIS Garden Judge.*

# *A Dozen Irises for Beginners*

MRS. REUBEN SAWYER

If I were a beginner, these are the dozen which, on the basis of garden performance, I would buy.

**BLUE SAPPHIRE:** Does well wherever one sees it; has an elusive color that stands out in any garden. A tall straight stem and a soft blue color and a shape all its own.

**TECHNY CHIMES:** A handsome yellow with a distinctive beard; still the yellow to beat in modern irises.

**WHITE PRAIRIES:** For performance and number of bloom stalks per fan this is outstanding; four to five open blooms per stalk for some two weeks; a top performer.

**MEMPHIS BELLE:** About the first to bloom; beautiful raspberry pink out of **MARY RANDALL**; far superior for the South. I think this iris was overlooked when the awards were given.

**STARSHINE:** Still a favorite in the shows, and will be for a long time because of the fact that so many blooms open on the day of the show.

**VIOLET HARMONY:** Also a show stopper; an iris that also has the quality of opening on the morning of the show. I have seen five open blooms in many shows. Ruffled lavender.

**SWEET AFTON:** I just adore this lovely pastel because of its performance, but even more for the elusive shade of lavender, pink and blue blended with such artistic delicacy that it has the appearance of a self.

**BALLERINA:** Still the pink to beat; has a re-blooming characteristic that most of its progeny keep.

**LADY MOHR:** The healthiest of the Arilbreds; you either love its color—or!

**THOTMES III:** A brown that has the most health and vigor; a clean, clear color seldom seen in a brown.

**FOXFIRE:** The “bloomingest” yellow you could want.

**BLACK HILLS:** For a purple, this always has been my best performer.

*Charlotte Sawyer is the RVP of Region 24, the most rapidly growing Region of AIS. In addition to growing Tall Bearded irises, she is enthusiastic about her Louisianas.*

## *Some Problem*

LARRY GAULTER

Some time ago I received a letter from our editor in which he posed a profound problem that he felt might be of interest and some use to many of the **BULLETIN** readers. “Larry,” he wrote, “supposing that you were to start over and were interested in some good irises for growing in your garden and perhaps for entering in exhibitions, but that you still have the knowledge that you now have. Suppose also that you did not want to spend more than fifty dollars. What irises would you buy?”

Blithely, I fired off an answer at once. "Have no fear," I said, "I can do it with very little pain and will be happy to oblige." However, the minute that I started to work on the project, I knew that I was in trouble. Suppose that this mortal calamity actually were to overtake me? How could I possibly manage? Let me say that the spending of this fifty dollars has caused more concern, and has been one of the most difficult undertakings I ever have been confronted with. I could tell you one or two that would curl your hair.

I would like to report that my word is my bond, but more to the truth I had opened my "big mouth" and refuse to "chicken out." Therefore, a list of irises purchased with my last fifty dollars has been duly set down. In retrospect, I could have killed the whole bundle at the very outset by purchasing two of my current "must haves." However, that would have been the coward's way out, and coward that I am I was sorely tempted.

Keep in mind that I must spend the money, not niggardly, but wisely. Then too, I would want one, at least, in every color class, if possible. Surrounding myself with numerous catalogues, awards lists, judges' choices and popularity polls, I tackled the problem. I encountered no particular problem in spending the money in short order. I then would discover that I had left out some very fine irises that just had to be included.

After completing a dozen or more lists, I found that there were a few additions or deletions on the several lists, but there were some that appeared on every one. Undoubtedly, these were the ones that I felt had not been superseded to any great extent and that I could afford. In the final list, I find six Dykes Medal winners; all the rest are runners-up or in contention. If this final list does not meet with your entire approval, let me know and I will furnish you an entirely different list at no additional charge.

ELEANOR'S PRIDE	AMETHYST FLAME	CAROLINE JANE
CELESTIAL SNOW	ROCOCO	FIRST VIOLET
FROST AND FLAME	JUNE MEREDITH	OLYMPIC TORCH
PATRICIAN	TALL CHIEF	BANG
HAPPY BIRTHDAY	SWAN BALLET	PRETTY CAROL
WHOLE CLOTH	BLUE SAPPHIRE	TECHNY CHIMES

Ending on a happy note, I am pleased to inform you that I have kept within the budget. All of the above irises are listed at current retail prices from reputable dealer catalogues. Had I taken the time to shop around, I could have found most of these listed in these same catalogues, in collections offering one-third off. I then could have added a few more to the above list. To top it off, any dealer in his right mind would include an extra or two just to keep me happy.

*Larry Gaulter is a member of the Board of Directors, and in charge of the Judges' Training Program. We know Larry well enough to know that he conscientiously pondered over this list.*

## *"If I Were Starting Over . . ."*

JOSEPH O. RILEY

Iris have been discovered! It isn't important how it happened. You may have seen them in the gardens of your friends, display gardens, or at a flower show, but the important fact is that you must have some of these exquisite



blooms in your own garden. Which ones do you select, and how much will they cost? The latter point may be of concern because of rumors of high prices. Further, you may feel it is not advisable to spend too much for iris until you learn just how well they will or will not grow in your own garden.

Our own start was confused. I saw a catalog—the pictures were beyond description, but some of the pictures we liked best were priced, it seemed, outrageously high. Later, we learned that the iris often did not look very much like the pictures we had admired so much in the catalog. We bought a few. About half of them made it through the winter; the rest died. Friends gave us unnamed plants. Then we learned about named varieties. We tried to identify the unnamed varieties, and found it impossible. The overall result was that we wasted several years acquiring and then discarding plants we did not want.

Any list of iris made up by any grower will be subject to much criticism. Soil, climate and other conditions vary widely. I live in Denver, Colorado, and the varieties I have listed have always been reliable performers in our garden. All are strong bloomers and have good garden value. So, if I were starting over, with the knowledge I now have, the following are at least some of the varieties which I would select. They are listed alphabetically, rather than in order of preference.

*BLACKS*

BLACK FOREST  
BLACK HILLS  
SABLE NIGHT

*BLUES*

BLUE SAPPHIRE  
CELESTIAL BLUE  
PIERRE MENARD  
SIERRA SKIES  
SKY RANGER

*BLENDS*

LULU MARGUERITE

*BROWNS*

ARGUS PHEASANT  
HERMIT THRUSH  
INCA CHIEF

*REDS*

BANG  
MAJORETTE  
PATIENCE

*PINK & ROSE*

HAPPY BIRTHDAY  
MARY RANDALL  
PALOMINO  
PARTY DRESS  
PINK RUFFLES  
SKY HOSTESS

*PLICATAS*

DOTTED SWISS  
HAPPY MEETING

*VARIEGATAS OR  
BICOLORS*

BROADWAY STAR

*VIOLETS*

FIRST VIOLET  
VIOLET HARMONY  
VIOLET HILLS

*WHITES*

CLIFFS OF DOVER  
FROST AND FLAME  
TRANQUILITY  
WHITE SMOKE

*YELLOWS AND  
CREAMS*

AMANDINE  
ASPENGLow  
OLA KALA  
RIVIERA

This group of iris can be acquired for approximately \$30. The amount you spend will vary according to the space you have available. Some of the colors you may not care for, and so you select only one variety, or leave that color out altogether. Almost all commercial gardens give extras with orders and welcome suggestions. Order some varieties on your list and specify other desired varieties as the extras you would like to have. So, the cost will vary according to the number selected. Many commercial gardens furnish planting instructions, so the only point I'd like to make in the connection is to be sure and plant your new iris at least two feet apart. If the space between looks bare, fill in with annuals or other perennials.

LULU MARGUERITE, BROADWAY STAR, SKY RANGER and WHITE SMOKE will almost always give you good show stalks. Don't hesitate to enter stalks in flower shows. I remember telling my wife once that we didn't have anything good enough for a flower show. She entered several stalks, in spite of my opinion, and came home with three ribbons. Now you know who the expert in our family is. Participation in shows will add to your growing knowledge and will also help you in selecting other varieties to add to your garden. BLACK FOREST, PINK RUFFLES, INCA CHIEF and RIVIERA are shorter, and can be used in the front of flower beds. ASPEN GLOW, BROADWAY STAR, LULU MARGUERITE, SKY RANGER, SABLE NIGHT and WHITE SMOKE are a little taller than average, and can be used nicely in the background.

If you have a rock garden, find a place for a few Miniature Dwarf Iris such as ABLAZE, ANGEL EYES, BLUE WHISKERS, BRICKY, BUTCH, HANSELMAYER, LITTLE BLACKSMITH, LITTLE MOHEE, WEE BLUE, and WHITE ELF. These dwarfs will begin to bloom about April 1.

For your border bed, the following are suggested: BROWNIE, DALE DENNIS, FAIRY FLAX, LEMON FLARE, LILLI-BLUE, LILLI-GREEN, LILLI-RICHTONE, LILLI-YELLOW, TINKER BELL and WILMA V. This group of Standard Dwarfs will follow the Miniature Dwarfs in bloom, and some will continue to bloom with the earlier Tall Bearded iris. The additional cost of some of the Miniature and Standard Dwarf iris will not be large, and the reward to you in early bloom will be great.

Please remember that blooming dates mentioned apply basically to the Denver area. I know that eyebrows will be raised at some of my selections and omissions, so I would like to repeat that these are varieties that have been dependable growers and strong bloomers year after year in our garden.

And, I hope these comments will help you start a gratifying iris garden.

*Mr. Riley is the RVP of Region 20, and has been active in Judges' Training.*

## *Louisiana Choices*

MARIE CAILLET

In answer to the question presented, I had only to look at those I now grow. I have had to face a similar decision, except that the price was not the only consideration. Space has limited those I could keep and the number of new ones that I could add each year.

Six years ago I moved my iris to a new location (125 by 135 feet of city lot), well covered with house and concrete and shaded by far too many trees and flowering shrubs to satisfy an iris enthusiast. Furthermore, it was bounded on three sides by streets and on the fourth side by a neighbor's well kept yard, all of which meant giving up my big iris "bog" and doing away with those I previously rowed out for trial or for cut flowers. It meant giving away all but those I couldn't live without, and finding ways to use a selected few in and about the many shrubs and trees or to confine to rather well kept flower beds. Many Louisiana irises grow too tall and have too few blooms open at once for use as small garden flowers; thus many of those I had were left behind. Left behind also were the truly water loving varieties that might

suffer in my high and not always watered beds and the very temperamental ones that did not always bloom or that crawled around and came out yards away from their original planting spot. Space was too limited for these, no matter how lovely their bloom.

Although I do have more varieties than I am going to list, for my \$50 I shall include ten old varieties that were moved and still are growing in the new yard and ten that I since have acquired and grown successfully. All are good growers, free bloomers, blend well with other garden flowers that bloom in April and span the wide color range of Louisiana irises. If I had to limit the number I could have and the amount to be spent on replacements, these would be my choices.

First to be singled out are the old, medium height and profuse bloomers for color in the yard and quantity for cutting: JUNGLE GARDEN PINK, LADIES' CHOICE and MISTIS, all a pinkish lavender; PUTTYTAT, an intense blue that looks pretty with these three; BETTE LEE, a pure white that is stiff and firm like a Dutch iris; U.S.L. #9, a small clear pink that is low growing. All six are effective yard flowers and excellent for arrangements.

Three bright reds, CHERRY BOUNCE, CHUCK and UPSTART would be kept for the sunny spots in the yard. All are medium height, form compact clumps, and offer excellent bloom each season. Some varieties have been kept over the years because they grow regardless of adverse conditions. DIXIE DEB will take the place if you let it and grows much too tall for many places in the yard, but provides a wonderful background of yellow blossoms over most of the iris season. Along with it are ROYAL LADY and PEGALETTA, both of which try to outgrow and outbloom everything in the yard, and LOUISE ARMY, one of the hardiest varieties I ever have grown. All three are in the lavender to purple color group and are especially pretty when grown with the pinks and yellows.

The Louisiana iris hybridizers have a habit of naming their best ones for iris friends, so I find many of my favorites reading like a membership list. This is not just sentiment that I list W. B. MACMILLAN, G. W. HOLLEYMAN, KATHERINE CORNAY and MARIE CAILLET (my own namesake) as musts in my yard. All four have large, well shaped flowers, good foliage, grow well and represent the best in the new irises.

There is one on my list that in my estimation has not been surpassed—Caroline Dorman's VIOLET RAY. It has the best growth habits, strongest stalks and firmest flowers of any I grow. It is the one that attracts visitors in the yard and that looks good for days after being cut for the house. It is a must in any collection. Another that deserves all the awards it has received is NEW OFFERING, which won the DeBaillon Award for Claude Davis in 1963. It is a clear blue violet self with almost flat flower parts. And last, but not least, a collection never is complete without BAYOU SUNSET, an all time winner in flower shows and popularity polls. It is one of the first irises in my garden and probably will remain so for as long as I grow them. These three, all DeBaillon Award winners, can be bought for less than four dollars.

It has been hard to leave out some of the wonderful new color breaks and some new varieties I hope to add to my garden.

*Marie Caillet is an AIS Judge, has been RVP of Region 10, a member of AIS since 1939, and served as Secretary of the Society for Louisiana Irises for seven years.*

# Planting for a Window View

A. H. HAZZARD

Once upon a time, but this actually happened, I desired to improve the view from our snack-bar window, but I did not want to spend more than forty or fifty dollars to do it. After considering several alternatives, I decided to plant tall bearded irises as a background for plantings already established. Here's how I went about it.

Over the years I had accumulated a few old but good varieties, but I needed fifty or sixty more. I had joined The American Iris Society a year or two earlier, and I reasoned that all symposium irises had to be good to acquire a following. To obtain the effect I wanted I needed a wide range of colors and sharp contrasts. In all, I purchased sixty-five varieties, including premiums, and by subdividing, I planted eighty-seven rhizomes at a cost of \$54.00. To these I added sixty rhizomes of fifteen of my older varieties. I planted them alphabetically, and the result was a regular "Joseph's Coat." Perhaps a deliberate color arrangement would have produced an even better effect, but as I was not familiar with many of the varieties, I took the easy way out.

No Japanese irises were included as I had many of these in adjoining beds; but without these I would have used four groups of three in the corners of the rectangular bed. Or, if the area had been irregular in shape, I would have used them as accent material at strategic points. Don't worry about the compatibility, for garden soils in many areas are sufficiently balanced as to pH to accommodate both, and you will lengthen your blooming season considerably. However, if your soil is strongly alkaline, you may wish to omit the Japanese irises, notwithstanding the fact that ROYAL PAGEANT, the Queen of our 1964 Japanese Iris show, was fertilized with bone meal only (lime residue) and watered almost daily with city water (high in calcium).

Many of the TB varieties purchased still are good show numbers. Last June AMIGO was runner-up for Queen of our show while several others won ribbons and made the Queen's Court. So don't put off starting your iris planting until you feel that you can afford a substantial number of recent introductions; delay can cost you much in satisfaction and enjoyment. I am satisfied that you can make a creditable start for a modest sum, and from time to time you can add a few that catch your fancy.

The following list contains the names of the items purchased and suggested Japanese items which should be available at an average price of one dollar.

*TB's:* AMIGO, ARGUS PHEASANT, BALLERINA, BAZAAR, BLACK HILLS, BLACK-JACK, BLACK TAFFETA, BLUE RHYTHM, BLUE SAPPHIRE, CAHOKIA, CASCADE SPLENDR, CATHEDRAL BELLS, CHERIE, CHIVALRY, CLIFFS OF DOVER, CRISP-ETTE, DAWN REFLECTION, DREAMCASTLE, DREAMY, FIRST VIOLET, FOXFIRE, FRANCES CRAIG, GOLDEN SUNSHINE, GREEN SMOKE, HAPPY BIRTHDAY, HELEN MCGREGOR, IDAHO GOLD, INCA CHIEF, JANE PHILLIPS, JOYCETTE, JUNE MEREDITH, LADY ILSE, LUCKY DAY, LYNETTE, MARY MCCLELLAN, MARY RANDALL, MAY HALL, MINNIE COLQUITT, MULBERRY ROSE, NATIVE DANCER, NEW SNOW, PALOMINO, PARADISE PINK, PIERRE MENARD, PINK COME-O, PINNACLE, PRAISEWORTHY, PRETTY GAY, QUEEN'S LACE, RAINIER, REHOBETH, SABLE,

SABLE NIGHT, SOLID GOLD, SPANISH PEAKS, STORM WARNING, TAHOLA, THOMES III, TOP FLIGHT, TRANQUILITY, TRULY YOURS, VIOLET HARMONY, WEDDING BOUQUET and WHITE PEACOCK.

*JAPANESE:* BLUE BIRD, BLUE GIANT, CAROLINE G. CHILDS, CATHERINE PARRY, COLUMBIA, DOMINATOR, ELEANORE PARRY, GOLD BOUND, KOMOCHI GUMA, LA FAVORITE, LUCIA MARSHALL, MATCHLESS, MOUNT HOOD, NEPTUNE, PINK PEARL, PYRAMID, REPSIMA and ROSE ANNA.

*A. H. Hazzard lives in Kalamazoo, Michigan, and is an enthusiastic iris gardener, and has good plantings of Japanese and Tall Berded irises.*

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## THE LEXINGTON WINNERS AND THEIR AWARDS



Seated: Miss Clara Geiger, Mrs. John Cox, Wayne Buchholz,  
Lester Hildenbrandt, Mrs. B. L. Wolff.

Standing: Mrs. Don DeLap, Mrs. Lester Hildenbrandt.

(Mrs. DeLap designed and "tooled" the plaque.)

## The Medians

JOHN E. GOETT

There have been many articles during the past ten years holding forth promises of new irises for the rock garden, edging and borders. The push has been to get hybridizers working to produce them; now we can say "mission accomplished." The new varieties cover the color spectrum and are of fair or better quality.

Most gardeners and irisarians knew only the old *chamaeiris* and the sterile intermediates from them. Frankly, the old timers were so poor that most

people threw them out, including yours truly. I bought a collection in 1947, and they were discarded in 1949.

Meanwhile, Sehreiner had acquired true *pumila* seed and named a few. Paul Cook and Geddes Douglas used them with tall to give the new line of Lilliputs, and Walter Welch used them with the dwarfs to improve the miniature lines.

This provided the impetus to other hybridizers, and the past year has seen the ushering in of a complete range of colors and types. The median iris are here; they are good, and they are achieving popularity with the general gardeners.

In fact, it can almost be said that medians are getting more interest from the outsiders than from the iris devotees. By this I mean that when the gardening public can see the results of the hybridizers' work, the irises are accorded an enthusiastic reception, while the regular AIS members, having heard promises for years, have not bothered really to look at the latest SDB's, intermediates and borders. Did we cry "wolf" too early?

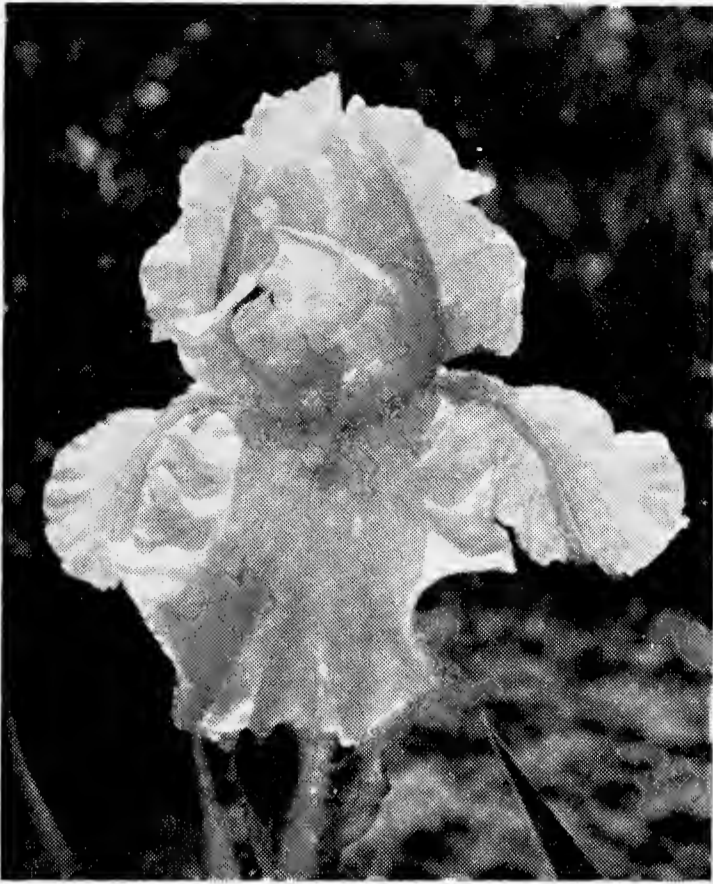
The exhibitors have done a great job. Many classes, even full sections at the shows, include recent varieties. But, let's face it. An exhibit designed to flaunt the large, flamboyant tall is not the best vehicle to demonstrate the quality of the smaller iris, for too often the latter are completely overshadowed.

In their proper habitat, the tasteful rock garden, as edging and border plants, the medians come into their own. The hybridizers raise them in plain rows for ease of cultivation, but the general gardener finds them invaluable in the mixed spots. The long, solid beds of tall seen on so many conventions and regional tours are outstanding and an eye-catching spectacle, and the smaller irises cannot compete on this score.

Let's take the standard dwarfs first. In average soil and good conditions, they grow ten to fifteen inches high. One rhizome planted in a rock garden will increase to a solid clump in one or two years, producing a solid mass of bloom for two weeks or more in the spring. They are hardy and have tremendous vigor. They also seem to adapt themselves to adverse conditions. In dry, poor soil, open conditions, they will grow short, in keeping with surroundings, and often will be only eight inches high. Two terminals and one branch are the usual quota now, although some varieties have four to seven buds.

Try picking a few and using them for arrangements! You'll find them very interesting and rewarding subjects. The medians have patterns, some delicate, some bold, not seen in the tall. The plicatas are present in all types—fancies plus the lightly stitched and heavily marked. Then, there are the halos—the lined and etched. Regarding the variegatas and amoenas, the spots are all shapes and densities. As for colors, with the addition of the new pinks and browns, all the AIS color classes are represented, besides the "smoky" blends.

The once neglected intermediates are no longer just in the purple and yellow shades of the original "*chamae*" hybrids. Clear, bright blues, white, pinks, lavenders, plics and bright yellows are now in evidence. Their desirability lies in their earliness, coupled with the ability to use them for the back of a small rock garden, to fill in a mixed border or to put some color in the iris border before the tall come into bloom.



MUSIC MAKER (Waters 63)



RIPPLING WATERS (Fay 61)

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The borders and table irises have to be considered together in this article. Only the purists can call them correctly. Originally, the tables were certain elected varieties of diploid tall parentage which were much daintier and smaller than the talls of that day. They were soon joined by a group of shorter talls which were heavier and larger in flower size, a good deal of which was due to their tetraploid nature. These became the border class. But, as proportion was improved, the clubby stalked varieties were discarded, and the dantier appearing flowers selected, and the difference was largely eliminated. Although a short tall with a heavy stalk is still classified in the all inclusive 15 to 28 inch border class, the judges are becoming more discriminating and faulting these. If we keep stressing proportion, the breeders will not offer them to the discriminating public.

In the past few years the catalogs have been listing these classes in greater numbers. They are becoming increasingly popular. Also, the general nurserymen are listing them and promoting them widely. For example, when one nationally-known nursery wanted to list a complete color spread of the standard dwarfs, they had to settle for small quantities, and will raise their own. Wholesale quantities were not available, although I contacted many irisarians. Fortunately, with hybrid vigor and terrific increase, it will be only a year or two before all American gardeners will have the opportunity of putting median irises in their plots.

*Jack Goett is the President of the Median Iris Society, and a hybridizer of some experience.*

# Irises in a Sixteenth Century Garden

LEE W. LENZ

CATALOGVS ARBORVM,  
FRVTICVM AC  
PLANTARVM TAM INDI-  
GENARVM, QVAM EXOTICARVM,  
in horto *Johannis Gerardi Ciuis*  
& Chirurgi Londinensis  
*nascentium.*



LONDINI,  
*Ex officina Arnoldi Hatfield,*  
impenfis Ioannis Norton.

1599



John Gerard (1545—ca. 1612), an English botanist and barber-surgeon, is best remembered for his *The Herball or Generall Historie of Plants* published in 1597. The manner in which the work originated does the author little credit and his often quoted account of the “Goose Tree,” or the “tree bearing geese,” removes what little respect one may have for him as a scientist, not because he held an absurd belief which was widely current at the time, but because he described it with utter disregard of truth, as confirmed by his own observations (Arber, 1938). The herbal, however, is not the work we are concerned with here. It would appear that Gerard’s energies were employed chiefly in the field of horticulture and for 20 years he was the superintendent of Lord Burleigh’s (or Burghley) gardens at Theobalds and in the Strand. Lord Burleigh, Queen Elizabeth’s Lord High Treasurer, was considered to have at that time the best plant collection of any nobleman in the Kingdom. Gerard lived at Holborn (then a suburb of London), where he maintained a large physic garden of his own, probably the earliest such garden in England. As Salaman (1949) points out, regardless of what may be thought of Gerard as a scientific botanist, there can be no doubt about his intense interest in gardening as an art and in the introduction of new plants, especially those from America. Gerard’s first publication, *Catalogus Arborum, Fruticum AC*, a list of plants grown in his garden, was published in London in 1596. A single copy of this work is known and it is at the British Museum (London). The list, dedicated to Lord Burleigh, was long considered to be the first complete catalogue ever published of the contents of a single garden. However, Porro’s *L’Horto de i Semplici di Padova* 1591, antedates it by five years (Hunt Catalogue Vol. 1, p. 190).

In 1599 a second edition of the catalogue was published under the same title. This list contains the names of about 1,100 plants and is dedicated to Gerard’s patron, Sir Walter Raleigh, Lord Burleigh having died since the appearance of the first edition. The plants in the catalogue are given in alphabetical order and on page 11 is a list of irises, 18 in number. Since this list appeared long before the Linnean binomial system was conceived, it is difficult to assign in every instance the proper botanical name to Gerard’s plants. By referring to Miller’s *Gardeners Dictionary*, 4th ed., 1754, and numerous other early botanical and horticultural works, it is possible to identify some of the plants with certainty, others with probability; a number, however, remain unidentified.

*Iris Biflora Lusitanica* Portingale Flowerdeluce = *I. subbiflora*.

*Iris Florentina* Orrice, or the Florentine Flowerdeluce = Perhaps the 44-chromosome intermediate, although other irises have also been called Florentina.

*Iris Dalmatica maior pallida & caerulea* Two sorts of the great Flowerdeluce of Dalmatia = *I. pallida*?

*Iris Dalmatica minor* The little Dalmatian Flowerdeluce = *I. cengialtii*.

*Iris sylvestris Bizantina peramoena* Wilde Turkie Flowerdeluce = *I. sibirica*.

*Iris maritima Narbonensis* The French marsh Flowerdeluce = *I. maritima*.

*Iris Narbonensis minor* The little French Flowerdeluce = *I. graminea*? or *I. chamaeiris*? Both species are found in the area.

*Iris variegata Clusij* Variable coloured Fowerdeluce (sic) = ?

*Iris violaceaparua* Little Violet Flowerdeluce = ?

*Iris Chalcedonica variegata* The variable Flowerdeluce of Constantinople.

One author says that this is *I. susiana* but that seems unlikely.

*Iris obsoleto flore* Ouerworne Flowerdeluce = ?

*Iris nostras palustris* Common Waterflags = *I. pseudacorus*.

*Iris Susiana* Blacke Flowerdeluce = *I. susiana*.

*Iris purpureo flore* Purple Flowerdeluce = ?

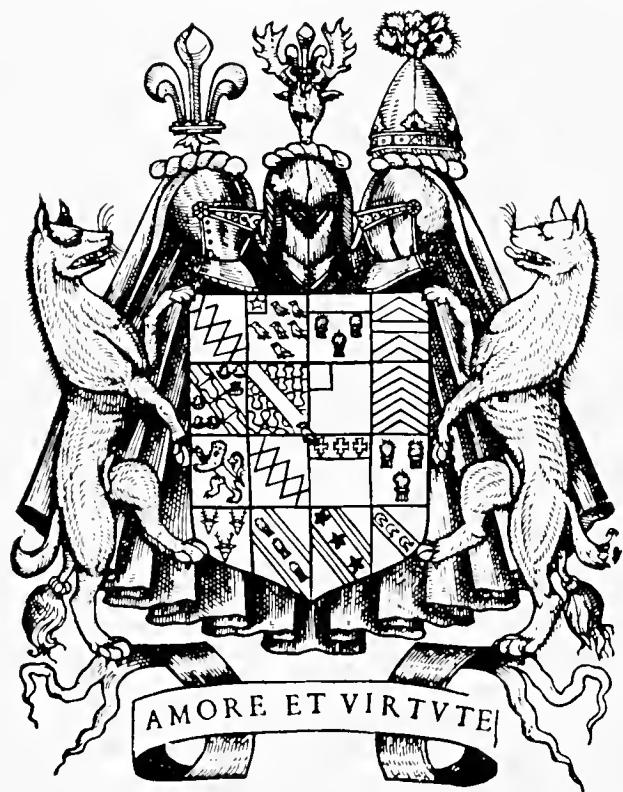
*Iris bulbosaflore caeruleo* Bulbose Flowerdeluce with blew flowers = *I. xiphium*.

*Iris bulbosaflore luteo* Yellow bulbous Flowerdeluce = *I. xiphium*.

*Iris bulbosaflore* (sic) *vario* Variable Flowerdeluce = *I. xiphium*.

*Iris bulbosa varia altera* Another of greater beautie = *I. xiphium*.

In Gerard's list the most challenging name, as far as identification is concerned, is his *Iris obsoleto flore* or Ouerworne Flowerdeluce. The word *obsoleto* is from the Latin, *obsoletus*, meaning old, worn out, thrown off. The Middle English word *Ouerworne* means much the same thing, but it can also mean faded. *Iris foetidissima* tends to have inconspicuous, dingy, dull colored flowers, but it has long been known as the Gladdon, or stinking Gladdon, and it would seem that the odor or the brilliant scarlet seeds would have been referred to rather than the dull colored flowers.



*Quid iuuat aut Arcton vidisse astrumve Canopi,  
Ni, qui admirentur suspiciantque, habeas?*

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- Arber, A. 1938. *Herbals. Their Origin & Evolution*, Cambridge, 326 pp.  
Miller, P. 1754. *The Gardeners Dictionary*, 4th edition, London, 3 vol.  
Salaman, R. N. 1949. *The History & Social Influence of the Potato*, Cambridge, 685 pp.

*Dr. Lee Lenz is the Director of the Rancho Santa Ana Botanical Garden, a member of the AIS Board of Directors, and Chairman of the Scientific Committee of AIS.*

# *Iris Trek*

ROBERT S. CARNEY

The iris trek this year started with a visit to the gardens of the San Francisco Bay area, although originally it was scheduled to start with a visit to the iris gardens in and around Wichita Falls, Texas. However, a hail storm had wiped out the bloom there, so I flew directly to San Francisco.

I saw a lot of good bloom in the Bay area gardens, although I was too early to catch the peak bloom. One could not ask for more charming and considerate guides than Mrs. Larry (Frances) Gaulter and Mrs. Stewart Barber, and they made it a point to see to it that I missed nothing. Larry has several top notch seedlings about which you will be hearing in the near future, and in Walt Luhn's garden there were several dark seedlings that are better than his **DARK FURY**. Another outstanding seedling in Walt's garden is a laced "Melodrama," which was liked by everyone who saw it. The most interesting seedlings to me, however, in Walt's garden were those from his crosses using arils with **WHOLE CLOTH**. Several of these are finished enough to be released as soon as he has sufficient stock.

The tour gardens in San Jose were well worth visiting and they had a large turnout for their regional meeting. Here I met a number of old friends, including Harry Randall, and made several new ones. I have only one regret, that I did not go out several days earlier so I could have visited the gardens of Bill Schortman and Jim Gibson in Porterville. I will have to make another trip in order to see their gardens.

After California, I met Bob Minnick and his wife, Evelyn, in Kansas City, and we drove to Wichita, Kansas, to take part in Region 18's meeting. It was a real pleasure to meet Henry Sass and Father Kinish again, as well as the other fine people out there; and I hope to have the pleasure of visiting out there again in the near future.

On our way back to Kansas City, we stopped at El Dorado Iris Gardens. Here I spent a couple of most enjoyable and instructive hours going through the seedling patch with Henry Sass. There were plicatas by the hundreds, but the one that struck my eye was a true brown plicata about which I have a feeling that we will be hearing more soon.

The next stop was at the Brizendine garden in Topcka where Mildred and Roy were awaiting our arrival. I cannot give a report on Mildred's "babies," since they were not in bloom, but Roy had a number of aril seedlings that were outstanding. He is not quite satisfied with them, however, so it may be several years before he releases a yellow aril.

It is impossible to list all of the irises I saw this year, so I am listing only those I marked as wanting for my own garden.

**ALICE BLUE GOWN** (C. Blocker) A medium blue self with good form and branching.

**ARCTIC FURY** (C. Benson) A clean white self with a matching beard.

**BEAUTIFUL MORN** (O. Fay) Different. Standards, pink orchid; falls white with a pink orchid border.

**BLUE BALLAD** (Dr. Branch) A smooth medium blue self; good form and branching.

COLOR DESIGN (Knopf) A cream self, tinged green. Outstanding in San Jose.

CLAUDIA RENE (Gaulter) Standards raspberry pink; falls raspberry pink with brown hafts; good growth habits.

CRAFTSMAN (Knopf) Standards deep yellow; falls white with yellow border; good form and branching.

GERTRUDE WISTER (C & K Smith) A light clear blue with excellent form.

PATRICIA CRAIG (Craig) A smooth white that ranks with the best.

IRISH LULLABY (Moldovan) A lacy pink self which I liked the first time I saw it.

JAVA DOVE (Plough) White standards and orange pink falls.

KINGDOM (O. Fay) Clear yellow standards and matching falls, with a small white spot just below the beard.

LATEST LOVE (Gaulter) Standards white stitched purple; falls white; good growth habits.

LUNAR FIRE (D. Hall) A golden amber self with a bright tangerine beard.

MOON RIVER (Sexton) An antique gold self.

NOB HILL (Gaulter) A yellow self with an antique overlay; good growth habits.

OAKBROOK (C. Blocher) An orchid self; good form and branching; floriferous.

ORCHID BROCADE (N. Rudolph) An orchid pink bitone with good growth habits.

PRAIRIE BLAZE (Marsh) An orange self that is outstanding as to color; good form but slightly bunched.

PRAIRIE SUN (Marsh) A chrome yellow self with good form and branching.

PRINCE INDIGO (Schreiners) A deep violet self with good growth habits; outstanding in its color class.

RADIANT LIGHT (O. Fay) An orange self with a bright coral beard; good form and branching.

RUFFLED HEIRESS (Reinhardt) An oyster white self with a pleasing fragrance.

SEAFARER PIRATE (R. Brown) Standards golden tan; falls a deeper golden tan.

SEPTEMBER SONG (Hamblen) A golden apricot color with a light area in the center of the falls.

SKYWATCH (C. Benson) An orchid and lavender self; good form and branching.

SMALL TALK (Sexton) White edged orchid; orchid hafts and white beard.

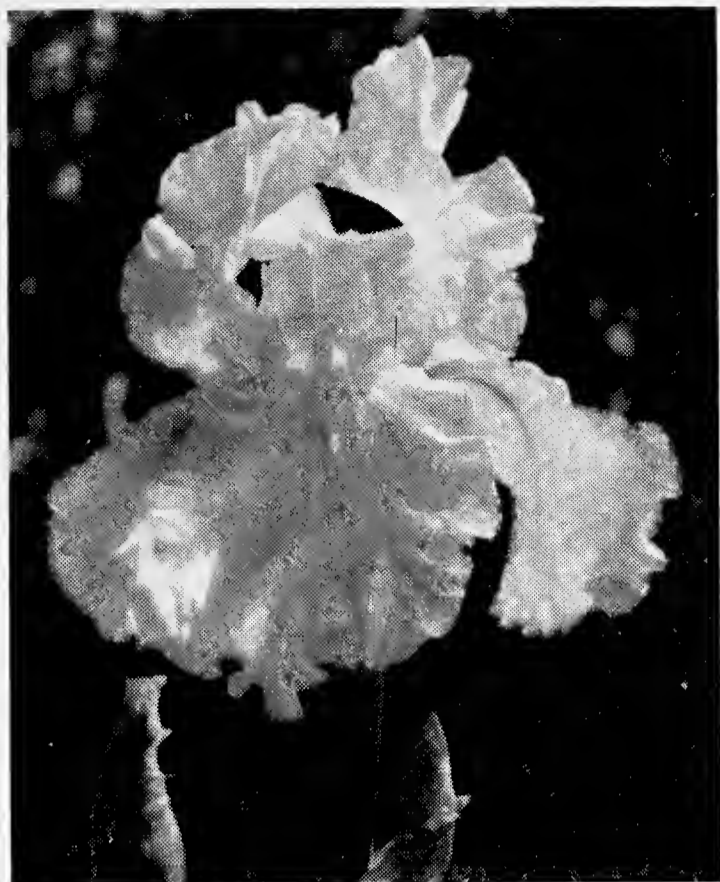
SUNSHINE YELLOW (L. Hooker) A yellow self with matching beard; good growth habits.

TOUCH OF ELEGANCE (G. Rees) Standards Chinese coral at midrib, shading to barium yellow at edge; falls barium yellow, deeper at hafts; carrot red beard.

WENATCHEE SKIES (Noyd) A smooth blue self with a white beard; good form and branching.

WHITE PRIDE (Dr. Branch) A white-white self with good form and branching.

*We can testify that our "prexy" traveled thousands of miles and saw thousands of irises.*



KINGDOM (Fay 64)



SKYWATCH (Benson 64)

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## THE 1967 AIS CONVENTION WILL BE HELD IN OKLAHOMA CITY

**TENTATIVE DATES: MAY 3, 4, 5, 6, 1967**

*Inquiries concerning guest Iris should be sent to  
Miss Leah Ralls, Chairman Guest Iris  
300 East 5th St., Edmond, Okla. 73034  
Phone: Area Code 405, PL 4-3317*

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### *Shall We Have Another Poll?*

JAKE H. SCHARFF

An article preceding the Symposium in the October, 1957, BULLETIN reads as follows: "The important feature of the Symposium is that it is a selection of *favorites*, varieties which have proved their worth in garden use. Relatively few novelties find their way onto this "Favorite 100" list. The newest varieties on the list have been tested several years, and the oldest have been in wide use for as long as thirty years. These are varieties which should do well in all soils, in all climates where tall bearded irises will grow.

While the balloting for the official honors is primarily for the benefit of the AIS membership, this section of the "Favorite 100" can be said to be a service for all gardeners, everywhere. A new gardener making a raw start could do

no better than to select his first iris from this list. Indeed, many do! No long time favorites have been barred from this list by not being on the printed ballot. Each member is invited to list five varieties not on the ballot in addition to his choice of the favorite twenty-five listed on the poll."

Let us examine the 1964 Symposium and see how it measures up to the purposes as outlined in the above article. A favorite dress is one which has been worn on numerous occasions and preferred over others one has worn. A favorite pipe is one that has mellowed over a period of time. A favorite iris is one that one has seen time and time again, and preferably grown in one's own garden. However, five of the iris making their entrance on the 1964 Symposium were introduced only two years ago, in 1962, and remain in their second year on the Judge's Choice poll. Of ten others, three were introduced in 1961, four in 1960, two in 1959, and one in 1958. To purchase these irises one must spend an average of \$11.83 for each, or a total of \$177.50 for the fifteen. Only four are listed at \$5 or less.

Let us go a step further. Fourteen newcomers found their way on the Symposium in 1963. One of these slipped right off the list in 1964. The remaining thirteen were introduced in the years from 1957 through 1961, and at 1964 catalog prices can be purchased for \$127.50.

The entire list of the 100 irises on the 1964 Symposium, if purchased individually, would cost \$590.25. Since the cost of the twenty-eight entering the Symposium during 1963 and 1964 would total \$305, the remaining seventy-two irises would average about \$4 each. Actually, only twenty-one irises on the poll would cost \$1 or less.

The Symposium seems to be serving a different purpose now than it did in 1957. It says to the membership: "Here is a group of the better new iris. Some of them have not been thoroughly tested in all sections of the country as yet and are in limited supply. They have been selected primarily by judges and by a handful of the membership." While the actual figures are not available to the writer from the number of votes listed, it could be surmised that the Symposium total represents approximately twenty percent of the membership balloting with about fifty percent of these being judges. So the Symposium of today does not represent the opinion of the average member. This is due to no fault of the officers of AIS, but through the neglect of the membership itself in failing to exercise its ballot. Surely no one will feel that the Symposium should be discontinued. It tells us where we are headed; it foretells the fashion trends of the irises of the future. It serves as a guide to our membership, and challenges us to step from beginners to advanced iris growers.

However, it no longer serves as a guide from which beginners and the general public can expect to select their first iris. The writer can recall his first purchase of iris, many years ago, of a group of twelve irises for \$2. Should we have another poll? Perhaps it could be restricted to those irises which have won the HM and AM Awards, and now sell for a price in range of what the beginner thinks is proper to spend for his or her first iris. Our membership would be more familiar with the names of these irises, and might participate to a much greater extent in such a poll.

*Jake Scharff is currently the very active RVP of Region 1, and will be the host RVP at the Memphis meeting.*



LOVELY AGAIN (not yet registered and introduced), a reblooming iris photographed on July 20 in the Raymond G. Smith garden in Bloomington, Indiana.



*"Outdoing me already"*

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# REGIONAL REPORTS

## Region 2

DR. IRWIN A. CONROE, RVP

Region 2 has enjoyed another successful and busy year. During this year seven areas have functioned with independent programs; an eighth one has been reactivated after a year's temporary quiescence.

Highlights of the year's activities as a unit cover a wide range of interests. Area iris shows of a competitive nature were held in two areas; two others held successful iris displays. All of the shows were well attended by both non-irisarians and irisarians. Next year an additional competitive show is planned, the plans for which are already well in hand. Iris shows next to iris garden visits are sure means of informing the general public of what modern irises consist of.

Iris tours were the order of the day in each area, all of them well organized and planned in order to take in most of the larger iris gardens in the Region. All of the gardens were open to visitors with or without the qualification of "iris grower."

Newspaper, radio and television coverage of most of the Regional events was gratifying. Certainly, this year the general public was made aware of our activities in the field of iris culture.

Iris auctions were held successfully in five areas, netting a substantial sum for the execution and maintenance of Regional affairs for the coming year. Not the least part of these auction get-togethers is the social phase of the program. Picnics are a part of each auction program, and inter-area visitations are also an important feature. Income from the auctions makes it possible for the Region to operate without the need of levying dues.

One of the outstanding features of our activity centers around a most successful display at the New York State Exposition, held each year in Syracuse. This year's display was even more impressive than previous ones, all of which have earned a coveted purple rosette for excellence—and a monetary consideration which adequately covers the cost of the exhibit. Thousands of fair visitors view the booth during the week's exhibit; many of these have an interest in iris growing kindled. This is particularly due to the hybridizing efforts of Dr. William (Bill) McGarvey, who has developed and grown enough reblooming or late blooming seedlings to supply the booth adequately with irises in bloom during the entire week of the exhibit.

Only in the field of memberships has there been disappointment in Region 2. Each year a number of applicants sign up for membership, and each year a number drop out. Efforts to interest these "loners" to participate in Regional affairs are futile. Thus, each year the Region is credited with dropouts over which it never has had any control. Obviously, the antidote to dropouts is new memberships. A few of these have dribbled in, but there has been no surge of applicants storming at our doors. Members are invited to join us if and when the spirit to do so moves them. No sops or bribes or gifts of irises play a part in the picture. Obviously, in a Region as large as this one there should be a larger number of members. Up to now neither this RVP nor his predecessors have found the key to the answer. Meanwhile, the present membership enjoys a whale of a good time belonging to the group and participating in its activities.

Last but not least of items to report is that of our Regional Test Garden. At this time we have seedlings and newly named irises being tested in two places. In Ithaca, in the garden of Fitz Randolph, a collection of test seedlings is going into a third year of performance. Judges will be on hand in the bloom season to check their performances. Meanwhile, a second planting of test seedlings has been undertaken in the garden of Elston Herrald, in Baldwinsville. Thus far, only first year plants are in evidence. Therefore, while they may be checked for bloom next June, they will not be rated until they have performed for the second year. We believe that the Regional Test Garden program is well established in Region 2.

Our annual meeting and dinner successfully took place on Long Island in the shadow of the New York World's Fair. It was well attended by Down-Staters; fair representation of Up-State Areas was also present.

At this writing the Region is awaiting word from the Board of Directors



of AIS as to whether their invitation to hold an AIS Convention here in 1970 is accepted, at which time AIS will be celebrating its semi-centennial. Members of Region 2 believe it fitting and proper for such convention to be held in and around the Region where AIS began.

Viewed from all angles, Region 2 is enjoying a healthy state.

## Region 6

GEORGE P. MORGAN, RVP

During the past season, Region 6 held its usual complement of shows and garden tours, starting off with a visit to the Dwarf Iris Test Garden and the renewal of old friendships. It was at the banquet that Mr. Walter Welch announced that he was retiring from the directorship of the garden, and that the garden was being divided between three gardens in the Indianapolis area. We all are sorry to see Mr. Welch retire, but we understand. The annual spring meeting was held in Indianapolis, hosted by the Indianapolis Hem and Iris Society. Both the tour and the banquet were well planned and attended. Some of the gardens in this area had to cancel from the tour, because of being past peak; but those on the tour were in full bloom. The annual Hybridizers' Round Table and business meeting was held in Lansing, Michigan, hosted by the Tri-County Iris Society. Like the other meetings, it was well attended. The new officers at this meeting all were wished the best in the coming years. The Board of Directors, at the annual meeting in Chicago, passed a resolution that all newly elected officers take office immediately, so Anthony Willott, as of the date of the Board meeting, is your new Regional Vice President.

## Region 7

JAKE H. SCHARFF, RVP

My first term of office has gone by swiftly. There has been much to do, many visits to make throughout the Region and many new friends to meet.

Region 7 has grown from a membership of 347 to 400. This is a twenty per cent increase. One new area group was formed, and another soon will hold its first meeting. Several of our groups which were dormant have been reactivated. Two Judges' Schools were held, one in Knoxville and one in Memphis. Both of these schools were very successful, attracting a large number of members. I wish to give a special commendation to Mr. W. T. Bledsoe, who conducted both of these schools. He is an able instructor, and during the year conducted many such schools in other regions. We are proud that he is a product of Region 7.

According to my information, the Louisville Area Iris Society was our only group to hold an accredited Iris Show, although several iris exhibits were held. Plans are being made for several shows held by local societies in the Region in 1965.

The Memphis Area Iris Society probably is the largest area group in the country. Its membership is composed entirely of AIS members which it draws from Region 7, Region 22 and Region 24, within a fifty mile radius of Memphis. It boasts of many activities, fine meetings, and an annual iris tour which attracts AIS members from several states. It sponsors one of the best public iris gardens in the country.

The Memphis Area Iris Society will be the host to the 1965 American Iris Society Annual Meeting on May 8, 9 and 10. You will read about what it offers its visitors in another article in this issue.

From Memphis, in the extreme southwestern part of Region 7, to the most northeastern tip, is a distance of 750 miles. Here one finds a wonderful climate and fertile soil. Most of the communities are small and far apart. By forming more and more area groups comprising several communities, we hope to slowly awaken interest in growing irises in our Region. We hope to add many more AIS members to our fold.

## Region 9

CLARENCE J. BLOCHER, RVP

Region 9, the State of Illinois, is extremely fortunate. Geographically, this is one of the finest areas for growing irises in all of these United States. We have an extended bloom season here, as irises begin blooming in our southern gardens the first two weeks in May, continue on through our central Illinois gardens, and then the last of May and the first two weeks of June we enjoy our northern gardens. Those of you who attended the 1964 convention saw our northern gardens. Come back next year and visit our southern and central gardens.

We are fortunate to have two excellent area societies. The Northern Illinois Iris Society, under the leadership of Edward Varnum, hosted the national convention this year, and you all know what a success that was. In the southern part of our Region, the Southern Illinois Iris Society does a wonderful job of promoting iris enthusiasm in that area. Both societies have regional test gardens, publications and highly organized activities. Our regional efforts have been limited to a spring and a fall meeting and newsletters.

We are fortunate to have some of irisdome's most eminent hybridizers. Eva Faught in the south, and David Hall and Orville Fay in the north, have set high standards for our present day hybridizers, and the quality of introductions from this region reflects some of the discrimination exercised by those who have led the way. For many years Region 9 had provided a remarkably high number of the irises on the AIS Symposium. A glance at the latest Awards and Honors list reveals new names from our Region, and we hope we shall continue to produce irises that will thrill growers everywhere. Our gardens always are open to you, and we hope that you will come to see us often.

Our sincere best wishes to Lerton Hooker, of Lombard, who now begins his service as RVP of Region 9.

# Region 16

BRUCE RICHARDSON, RVP

This past season appears from all reports to have been one of the best in recent years from all the iris growing areas in Canada, coast to coast. Most of our members are situated here in Ontario, and I am most familiar with this province. There is no doubt about the amount and quality of bloom in this area, being in such marked contrast to last year when we had the disastrous May 23 frost—one of the worst on record. Some blooms were lost on Medians in the Ottawa area, but this was of little account as they were soon replaced. There were even slight frost signs here near Hamilton, but they were hardly more than just enough to be noticeable to the expert eye.

Our shows, in which the Canadian Iris Society is directly involved in two, were most successful, with a very prominent feature of both being the marked newness of the varieties shown. This is in noticeable contrast to even a few years back, and is the end result of the efforts of the CIS to purchase and distribute through their auctions many of the best of the new varieties. We also believe this program has resulted in a greatly increased interest in iris growing, in particular near the areas where the auctions have been held. Financially, these auctions have been quite successful—the two this year returning well over \$700. When you consider that the CIS membership is only around 225, and the AIS part of this less than 60, this is really a very good “take,” and has put the CIS in a healthy financial position, as previously without the auction it was little more than a break even proposition.

With finances assured, the CIS is moving ahead with new projects, as well as improving the old. The Newsletter has been expanded into better form, with more pages containing more informative articles. A library has been started at a cost to date of \$77, besides a goodly number of gifts of books, bulletins and some catalogues. Most of the currently available iris books are on file for the use of our members. This fall another project got into high gear in the Spring Garden of the Royal Botanical Gardens. Last year a late start was made to assemble the current list of the 100 Popularity Poll, and this fall the project was completed to the extent of having all but four of the varieties on the 1963 list planted. The CIS is undertaking to acquire each year the necessary varieties to keep the list up to date and donate them to the Royal Botanical Gardens. The special bed they are in will have the varieties marked with their standing, and the missing ones, if any, will be indicated. We believe this bed, which is in a garden visited by thousands of visitors in iris time, will prove of great aid to many in their endeavors to select top varieties suitable for their gardens. Incidentally, the Spring Garden made a wonderful comeback this year from its severe ice damage of the previous year, when rows of clumps were wiped out. Replacements were entirely by donations, and there are now more varieties present than ever before. Some 2,000 clumps are currently maintained.

In Montreal the Parks Board is setting up extensive beds of old and new iris in the Jardin Botanique, and it is expected there will be increased interest in this the largest city in Canada, which previously has had very few members in either Society.

It is a continuing disappointment to me that so few Canadians have been fit to join the AIS. In proportion to population with the United States we should have 600-700 members and instead have just one-tenth that many, with no sign of improvement, and indeed, a recent slight drop in numbers. The CIS, however, continues to increase its membership, but far too slowly. Lack of advertising and being to a large extent unknown on a country-wide basis appears to be part of the answer, but in addition, there seems to be fewer interested in the iris as a speciality. The weather over a large part of Canada is not of the best for iris, as for example on the prairies where they try, but have little but bad luck. The mild, warm spells in winter, when it may change from 20° below to 50° above in a day—and then back to 40 below the next—causes most of the trouble here.

I personally had plans for the Chicago Convention, but as if pressure of work here was not enough, a severe bout of flu at the last moment canceled them out. However, we did get to visit many gardens, in particular the iris showing of the Central Experimental Farm at Ottawa. Here we saw well displayed clumps of many of the newer iris, as well as the restricted test garden area where even newer ones were being tested. The Siberian collection here is outstanding, and is very well displayed in beds and grass paths so it can be easily viewed. Many of the older varieties are represented here.

For the first time the new RVP was selected according to the new rules of the AIS, and it is my pleasure to announce that Mr. Douglas Insleay, of Montreal, will be taking over from me this coming January.

Little news was heard from the West, and none from the Far East, although I understand British Columbia had a good season. Both of these areas appear to be too remote from the core of interest here in Ontario. I hope our new RVP can conceive of some way of tying these wide spread areas more tightly together.

## Region 18

C. ROBERT MINNICK, RVP

I have just completed three years as RVP of Region 18, and it is with a feeling of pride in our Region that I sum up some of the programs and activities that have been put into effect by the membership. The Region 18 Bulletin first was sent without charge to all AIS members in 1962 and continued that way since. To keep the membership informed we also started in January 1962 the Newsletter, with two newsletters and two bulletins each year. The National Convention was held in Kansas City in May 1962. In July and August six local iris societies held picnic-auctions to support the programs of the Region. The fall meeting was held in Joplin, Missouri, with the Tri-State Iris Society hosting this well attended and successful occasion. Taking part in the program were Mr. Robert Carney and Dr. J. Arthur Nelson of the AIS Board and Dr. M. L. Sadoris, RVP of Region 22. It always is of special interest to all AIS members of any region to have some of their Board members take part in regional meetings, for it enables them to know and to appreciate those who do so much work for them.

The first spring meeting ever held in Region 18 took place in May 1963, with a tour of most of the gardens that were on the national convention tour. All of the gardens were beautiful and certainly were much enjoyed. The tour lasted two days, with the banquet, the business meeting and the judges' training school on the evening of the first day. The fall meeting was held in October in Farmington, Missouri. President Carney talked of some of the problems of the President's job; and Secretary Clifford Benson, Mrs. Walter Buxton and Dr. J. Arthur Nelson told of some of the problems and challenges of their positions with AIS. At the end of the meeting it was agreed that many meetings of this kind should be held because of the insight they give into the many problems that arise for members of the Board.

In January 1965 the members were given copies of the by-laws for their approval or disapproval, and they were well accepted. The members of the Regional Board for 1964 were appointed and all committee positions filled to comply with the by-laws. Our next RVP was elected this year, and this again was a first for our Region.

The second spring meeting was held in Wichita, Kansas, on May 9-10, 1965. This truly could be called a Regional Convention, for it had many of the aspects of a National Convention. Sponsored by the Greater Wichita Iris Society, it was a great success. Not a single item was left out that would make it pleasant for those attending. The gardens were beautiful and the iris well grown; it would take considerable space to describe the gardens as they should be. The Saturday lunch at the Jones' garden was a memorable one, for here were many things to see in addition to the garden and flowers. The show was held at Wichita Heights High School, where there are many plantings of irises. The banquet and business meeting were followed by the judges' training classes. Again we were fortunate to have with us both Mr. Carney and Dr. Nelson, who not only took part in the program but also were on the panel for judges' training. It was a pleasant, informative and well attended meeting. The fall meeting this year was held in Kansas City on October 24.

In summing up the activities of this Region, the article cannot be written without saying that anything that has been accomplished in the last three years has been done with the help of all of the members who always were willing to do anything which they were asked to do to assure the success of the programs. An RVP can only thank the many who so willingly helped, those who served on the Board, the local groups that held the auctions, and the many who went out of their way to make the work that had to be done much easier. It has been a pleasure to serve as their Regional Vice President. With this attitude and willingness on the part of the members, I am certain that our Region will continue to be the best in the American Iris Society.

## Region 20

JOSEPH O. RILEY, RVP

Activities in Region 20 actually began in late winter with the adoption of amendments to the rules and bylaws of the region to bring them up to date,

and in agreement with instructions from the National Board of Directors that the Regional Vice President be elected by the membership rather than being selected by the Regional Board of Directors.

Any weather conditions which do not come up to expectations are always termed "unusual," so Region 20, by and large, had an unusual season. Winter ended, and summer began with hardly any spring in between. Temperatures higher than average brought on early, rapid growth, with indications of a very early and short season. Also, the early warm weather resulted in bunching of buds, which in many cases gave bloom which was not altogether satisfactory. Late in May rains began, temperatures dropped, and bloom was delayed. Rains continued daily over a two week period, varying in degree with the result that hybridizing activities were curtailed.

The Judges Training School, under the direction of Dr. John R. Durrance, was scheduled for May 30 at Denver Botanic Gardens. Due to heavy rain, the session was moved into the Botanic Gardens House. However, in spite of the rain, some eighteen interested judges and members attended, with spirited discussions resulting from differences of opinion. Additional classes are planned for the future, and we hope to be able to continue to raise the quality of judging in this region.

Eight or ten members of the region attended the annual meeting in Chicago, and returned with glowing reports of the handling of the meeting and of the new iris seen there.

Region 20 has maintained large display beds of iris at the Denver Botanic Gardens, and activity on this front continued through the summer. The former convention garden was worked over and consolidated. Supervision was handled by Region 20 members, with most of the work being done by Botanic Gardens employees. Dwarf Iris beds were worked over, thinned and replanted, which will result in a much more attractive appearance to viewers. Additions to present plantings were made through the courtesy of Walter Welch and Region 20 members. The Dwarf gardens now represent plantings of approximately sixty species and 170 named dwarf varieties. Another planting of species collected by Dr. Randolph, amounting to some 125 varieties, provides additional interest to those interested in the source of both tall bearded and dwarf iris.

Construction of a new conservatory at the Botanic Gardens resulted in removing one iris planting and reducing the size of another. A new display section has been created in which many newer varieties have been planted, and will provide new interest for the visiting public in the seasons to come. Additions were also made to plantings of Spurias and Siberians in sections which are also sponsored by Region 20.

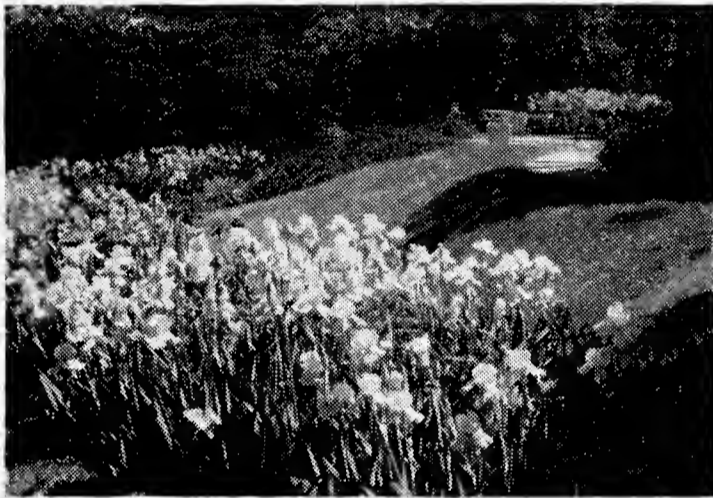
We are pleased to be able to announce 100% participation by Region 20 in the National Test Garden program. In addition, 28 new seedlings have been placed in the Regional Test Garden by our hybridizers. Active interest is noted throughout the region, and is evidenced by the almost universal upgrading of both private and commercial gardens by the addition of large numbers of the latest and best iris varieties. It is hoped that through the active interest of all members, the matter of drop-outs may be reduced to the smallest degree possible. In addition, the additions of new varieties to all types of gardens indicate that interest will be great during the coming 1965 season.

# *First Impressions of a Great Iris Garden*

EDWIN RUNDLETT

Upon visiting the World's Fair in New York the first impression is one of amazement at the grandeur of it all. Viewing the numerous huge structures from any avenue of approach leaves one gasping. So much to see—so little time in which to see and enjoy it!

Tourists approaching the great Staten Island garden of Kenneth D. and Catherine Smith have just the reverse experience. This old English style brick-and-beam mansion is set on a hill close to a narrow private road. With its attached garage at one end and an obscured greenhouse at the other, the impression is gathered that there are no irises there at all. True, there is an educational pretty garden of shade-loving plants under a huge black oak next to the road. But one looks for sunny places for irises, roses and peonies, and sunlight is lacking here.



A VIEW OF THE KENNETH AND  
CATHERINE SMITH GARDEN



CATHERINE SMITH PLANTING A  
NEW BED FOR THE 1966 CONVENTION

The Smiths are old hands at landscaping. Ideas have been gained from much globe trotting and put to use on this estate, which must be at least 3½ or 4 acres in extent. Every square inch not used for buildings, storage or walks, is beautifully developed. England, France, Italy and Japan are favorite haunts of theirs. Perhaps it was the intriguing Japanese employment of lures that led to the present layout which, incidentally, is improving every year. Much is new and very different from what was seen during the AIS Convention of 1961.

The typical urban Japanese home also is close to the usually narrow road, and exquisite gardens are reached through unimpressive entrances. Their gardeners lure the visitors by short vistas in various directions, each with some interesting feature at its end. By the time close examination of such feature is possible, a new vista is opened. Thus the visitor is led on and on.

The Smith garden is like that, but different in important ways. Instead of miniature scenes such as the Japanese are forced to create because of their small properties, we find here big features in large, sunny areas, once one gets

by the house barrier. Yet evergreen plantings, chiefly Canada hemlocks, Colorado blue spruces and arbor vitae, divide the area into pleasing units, each with its own vistas. These also serve as artistic backdrapes for floral display and as windbreaks and screening against neighboring structures. The view out to sea and of the rather distant Verrazano-Narrows Bridge is held open. Paved terraces at different levels provide opportunity for relaxation and meditation.

Good landscapers know that the bearded iris alone, even if trees, shrubs and turf are included, does not create a satisfactory home grounds planting, or even a good park planting. The season of choice blooms is too short, even with medians and dwarfs added to the tall. The Smiths have added enough other kinds of flowers to create a succession from early April to late summer; something of interest all the time, and not just one kind of thing at any one time. Trees exist wherever shade is needed.

The impression should not be given that here one will find a great assortment of annual, perennial and fleshy-rooted plants. Annuals are present hardly at all, and perennials other than bearded irises and hemerocallis are but sparingly used. Of daffodils there are many, as Ken is a breeder of these as well as of irises and of hems. The Smiths are specialists. They believe in gathering as much knowledge as possible about a few chosen favorites and in creating ideal conditions for the growing of the best that they can obtain in any way of these few, eliminating all else. The result is perfection of flowers, ease of maintenance and freedom from plant diseases and pests. Exhibited blooms by them have won many show honors. Variety originations have likewise won praise and awards both in this country and abroad. More about these at a later date. All named sorts bear labels, even including the more rare trees and shrubs. The planting plan, as well as the plants themselves, is worthy of careful study.

Convention visitors invariably dash from the buses for the "Guest Iris" section, neglecting most of the rest of the garden. This should not happen here in 1966. Those who do so will see much, but miss much. They will see about 100 selections from the seedlings of America's foremost hybridizers, some of which may be named by 1966. Here are just a few such benefactors, given at random. The listing is incomplete. Benson, Fay, Hamblen, Gaulter, Moldovan, Muhlstein, Sexton. In some instances no guesting by the same individual will be found in any other Region 19 tour garden.

Here's hoping that the 1966 Convention travel schedule will allow time enough not only to see and photograph these "Dykes" Medal hopefuls, but also to inspect and take notes about the numerous K & C Smith originations. Ken has been breeding them here since 1937, and Catherine is no slouch at it either. Both have served long periods as AIS Regional Vice Presidents, Ken in Region 2, and Catherine in Region 19. Both are Life Members of AIS and judges of note. Ken originated the Symposium system for the AIS. You will be hearing more about them later.

Neglect of the rest of the garden in favor of the guest irises would also pass up a wonderful opportunity to study plant combinations for beautiful landscaping. In border plantings one will find skillfully associated with reduced numbers of irises, hems and daffodils, one of the best assortments of azaleas and rhododendrons to be found in the New York area. In recent



years increasing attention has been given to assembling outstanding tree peonies (really not trees at all, but shrubs). True lilies too. These are all harmoniously combined without crowding. The effect is breathtaking.

Roses and herbaceous peonies are given due prominence in the vicinity of the guest iris beds. Uncommon trees and shrubs can also be studied—such things as Cedar of Lebanon, Golden Chain, Deodar Cedar, Cryptomeria, Larch, Red Jade Crabapple, Sorrel tree, Franklinia and Holly.

In a later article it is hoped that we may learn of the iris introductions of this famous team, and of their iris cultural methods.

*Edwin Rundlett knows the garden of which he writes, for he has done his own hybridizing for many years only five minutes away. A horticulturist for the Staten Island Park Department, now retired, Edwin puts most of his training and talent into medians and rebloomers these days. He writes regularly for "The Medianite," and as editor of the "Reblooming Iris Reporter," in addition to maintaining an extensive correspondence with irisarians over the world.*

## Louisianas in the Ketchum Memorial Gardens

MRS. REUBEN SAWYER

Ketchum Memorial Iris Gardens in Audubon Park in Memphis, Tennessee, are the pride and joy of every member of the Memphis Area Iris Society, and will be featured the second day of the 1965 annual convention of the American Iris Society. There are twenty-seven beds displayed with twenty-six of them devoted to the tall bearded, smaller plantings of the IB's, SDB's, BB's, and one planting devoted to the newest in spurias, many of which were sent by Dr. Clark Cosgrove.

This article is to call attention to bed No. 27, which is devoted entirely to a fine collection of the Louisiana Irises which were sent by Mr. C. W. Army, Jr., of Lafayette, Louisiana, and is my project.

In 1957 I attended the spring meeting of the Louisiana Iris Society and the Louisiana Society for Horticultural Research, which was held jointly in Lafayette, Louisiana. I was particularly impressed with these new Louisiana irises. A natural turn of events introduced me to Mr. Army, who was president of the Louisiana Iris Society at that time. He offered the plants for our Memorial Gardens, and after my return home, I secured a bed. In the fall of 1957 Mr. Army sent the first thirty Louisiana iris clones. From time to time he has sent newer varieties to keep this planting up-to-date. The planting now includes many winners of the Mary Swords Debaillon Awards and many MSD hopefuls. Judges please take note, and cast your ballot intelligently in 1965, including these beautiful Louisianas.

If the irises perform as beautifully in 1965 as they did last spring, you will be amazed and delighted. At their peak, the blooms were so abundant and colorful that from a distance one did not even see the foliage!

The Louisiana iris bloom at variable heights, beginning at two feet and ex-

tend as tall as five feet, as in the case of the handsome Ruth Holleyman, which is the only triploid I know of; the others are diploids.

In the past seven years, I can honestly say that I have never had a loss due to climatic conditions. I have found them to be winter hardy and drought resistant. Certainly in this climate they are given every test as to extremes in temperatures, moisture, etc. For the last three winters we have had a late fall with no frosts to harden the plants, and then early in December we have had a drop of 45 to 60 degrees overnight with a resulting freeze. Then, in February of 1962, they withstood a week of snow with temperatures ranging below zero down to fifteen degrees below—with one three-day period when ten below was the high. We were told that it was the coldest in the nation during that period. Surely, this will remove any doubt as to their hardiness.

In planting them, be sure to use a generous amount of peat moss in preparing the bed. Be sure the soil is friable and loose. Then add 12-12-12 with any organic matter you have available. In this area poultry manure is available. We are given the sweepings from the laying house, which is 75% mulch or straw. This is put on top of the beds at least twice a summer. Each fall the bed is mulched with Servall, which is the trade name for ground bagasse, which has been baled commercially. This mulch is always left on the Louisiana irises, both summer and winter, as the long hot summer with its broiling sun could do more damage than the winter cold. We have found that the iris prefer to be transplanted in late September or early October after a good rain. So additions are made at this time, thus giving the new iris time to establish a good root system before winter's onset.

The Louisiana iris is composed primarily of three principal species and their hybrids. The species are *I. fulva*, the red or flame colored iris found along the roadside in the lower Mississippi Valley, with large clones found along the edge of the water beside the highway almost to Memphis; *I. giganteaerulea*, the tall blue of the Lower Gulf Coast; and *I. foliosa*, the little blue found on the bluffs or higher locals. For the collector, there also are the *Virginica* and the ones collected around Abbeville, Louisiana, known as the Abbeville reds, etc.

The bed of Louisiana irises in Ketchum Gardens is made up entirely of the *giganticearuleas*, with the exception of Frank Chowning's PRISTINE BEAUTY, which is a *foliosa*.

I particularly enjoy using these irises in arrangements. The *foliosa* will generally bloom with three open blooms spaced about six inches apart. I have made many arrangements using three stems of the same variety. The whole group has so many colors, shades and tones, and are very versatile in arrangements. I particularly love them for work in the Japanese manner.

For those of you who would plan to exhibit them in shows, I would suggest that you check the blooming time as they open differently in different climes. In Louisiana I have seen them in bloom simultaneously with the TB's; while in this area, they will peak one week later than the TB's and continue to bloom for three weeks, fading as the Japs begin.

I thoroughly enjoy my own Louisiana irises. I feel sure they would grow in any area, given a minimum of care and protection.

*Charlotte Sawyer is the enthusiastic RVP of Region 24.*



Mrs. Hoyle Tayler, Mrs. W. P. Johnson, past president Big D Iris Society, Mrs. E. L. Raney, Mr. E. L. Raney

### **BIG D HAS ACTIVE PROGRAM**

The Big D Iris Society of Dallas, Texas, has developed an interesting and busy program. It has embarked on the building of an iris library both of books and color slides. Its programs this year have consisted of flower arrangement lectures, culture of Spuria and Louisiana irises, hybridizing, reblooming irises, a flower show with more than 600 blooms on exhibit, and the planting of an iris garden in the South Oak Cliff Shopping Center, as well as garden visits.

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### **SHOW DATES**

If officials of 1965 iris shows will mail to the Editor the following information, we will list these show dates in the April BULLETIN.

*Place of Show*

*Dates of Show*

### **CORRECTION IN SHOW REPORTS**

In the Lexington, Nebraska, show, Seedling No. 62-11-7 exhibited by Hildenbrandt and Wolff, was the winner of the Exhibition Certificate instead of 62-128-33.

# At the Foot of the Rainbow

FLOY NELSON

Southern Montana is high country; chill by night with snow that patches the Bear Tooth Range; lonesome; still; scarred now by wheatlands on the benches and gravel roads through the coulees. A bit of imagination blended with the ever-whispering wind can bring you the voices of the pioneers, rich with hope and courage; the whoop of the Indians and the plaintive call of the wolf. Place-names echo the music of history—Judith Basin, Lewistown, Clark's Fork, Absarokee, Red Lodge, Roundup, Billings, Columbus. Rough country it is, where only hardy, determined men and women wrest a living from the soil; a land arid but for the sudden cloudbursts that belly down the gulches, taking all before them. Erosion has carved gulches and coulees and exposed the huge slabs of sandstone that underlie the benchlands.

\* \* \*

The swollen Yellowstone flowed level with its banks, winding below the benchland of sage as we drove southwest into the lowering sun after we left Columbus. A gravel road led us through sixteen miles of sparse cedar, sandstone and sage, held at bay here and there by green rectangles of spring wheat. A few scattered ranch homes nestled in the valleys.

Finally, we rounded a steep curve and were met with a panorama of sudden beauty—a rainbow of color climbed the hillside; hundreds of irises, shoulder to shoulder, marched toward the summit of a steep slope; sparkling red, gold, violet and blue. Who would look for the pot of gold at the foot of the rainbow? A neat white ranch house rested behind a sandstone wall, topped by a white picket fence.

The originators and owners of this oasis of beauty are Tom and Lena Houghton. Ten years ago, Tom did not know one flower from another. Today he is well on his way to becoming an authority on iris and many other varieties of garden flowers. He has learned from garden books, American Iris Society BULLETINS, iris catalogs, iris robins and discussions with other gardeners, and from the best teacher of all, experience. Lena is president of the Columbus Garden Club and an authority in her own right.

A closer look showed us that the iris were planted on rock terraces, one above the other, eleven high up the hillside. The soil for the terraces has been literally made by hand. Good soil is scarce. Material from a silo, peat moss, sawdust and composted stock bedding have been mixed with prairie soil. The only natural loam was dug from an old chokecherry thicket and carried up from the coulee in buckets . . . a long haul to the topmost! The terraces are watered by a spring on the bench above the hill.

Hundreds of irises are interplanted with peonies, lilac, honeysuckle, mock orange, vinca, wild asters, bush clematis, bladderpod, mariposa lilies, flax, rock roses, hemerocallis, wild penstemon, sage and chrysanthemums for a long season of bloom. Spring bulbs start the season. Only gardeners with a natural flair for landscaping could have achieved the balance and beauty in the use of native flora with cultivated varieties.

North of the house, Lena has finally established a modern rose garden where it receives maximum protection from the elements. Since the terraces

north and northwest of the house has about reached the summit, the ambitious Houghtons have started the iris trek up the slope to the northeast, leaving a respectful opening where the sandstone walls border a deep ravine. This is to accommodate the spate of the cloudbursts which, Tom says, wash rock and soil over the lawn one day, and if they are lucky, wash it off the next—if not the rubble has to be removed by manpower.

The Houghton ranch was not always a show place. Tom says that he and Lena moved to their piece of land in the '30s when a man was lucky to have a roof over his head. A native golden willow shaded a one-room cabin built on the side of the coulee. A county road occupied the only level place between the house and barn and stock followed the road past the front door. Rocks, buckbrush and bunch grass covered the slope. In those days, when a man did anything he could to feed his family, Tom drove the school bus in addition to farming. There wasn't much time to think about home beautification.

The first move toward gardening came when they decided to make use of the sandstone dotted so plentifully on the hillside. They dug out the rocks, made a wall, levelled the ground around the willow, planted grass and a snowball bush, thus creating a lovely spot to relax in the shade.

The Houghtons' addiction to iris and gardening came after a visit to the beautiful garden of Elizabeth Zimmerman in Billings. Mrs. Zimmerman has grown iris and hybridized since the day of the diploids, each year adding new varieties, but keeping the best of the old; gradually relegating the old to the background of her huge planting. Tom and Lena looked and were lost! Lena says, "The iris looked just like jewels dancing there." Iris catalogs were sent for and they both went "a bit crazy." No flat land was available near the house and they HAD to have iris. At first they tried to naturalize the iris among the rocks on the slope, and the next spring a cloudburst washed the soil from the roots of the ones higher up and covered the lower ones with mud, and so the first terrace was constructed. Each year one or two more terraces are added to accommodate the rapidly increasing varieties of iris; where will they stop?

If you are ever in Billings, Montana, why don't you take the highway west to Columbus and thence to Houghtons' astonishing iris garden that is rapidly becoming more than just locally famous; add your name to the well-filled guest book; chat with two dedicated irisarians; climb the terraces and feel the magic of the big country?

*Mrs. C. Arvid Nelson is the RVP of Region 11 and is widely known in the garden circles of the mountain states and in the American Iris Society.*

## **HAVE YOU MOVED?**

If you have moved, or your mailing address is changed, write to Clifford Benson, Secretary, American Iris Society, 2237 Tower Grove Blvd., St. Louis, Missouri 63110, giving your new address, including ZC number, so that your BULLETIN will be delivered to you.



BEFORE

## Iris Club Does Civic Project

ERMAH BALLARD

Along the bank of the Sacramento River in one of Redding's parks is a beautiful barbecue area with picnic tables, barbecue stoves and drinking fountain. Surrounding the tables are four large raised beds of iris. The walls of the beds are made of stone, as is the drinking fountain, and there is a serving center in the middle of the area. This area is the result of four years of intensive work by members of the Cascade Wonderland Iris Society.

One October day back in 1960 a member of the local iris society was resting in the park. As she gazed toward the Sacramento River her mind cleared the rubble, brush and weeds, and she could see a beautiful resting place with iris growing in raised beds and picnic tables with a place to barbecue; a place to enjoy the cool breezes from the river, to watch the fish jumping. She knew that the Cascade Wonderland Iris Society needed a place to hold their monthly meetings and she knew how much they enjoyed the "pot-luck" dinners preceding these meetings. She also knew that the members had many surplus iris each summer as their clumps were divided. What better way to share them with others? She went to the director of Redding's park department. He was very enthusiastic and presented the plan to the city council, who gave it their whole hearted approval. At the next meeting of the iris society she outlined the plan and asked the members if they were willing to sponsor such a project. She also impressed on them the need for a place to hold their meetings and when she mentioned that they could have a barbecue picnic "pot-luck" at each meeting it clinched the deal.

Work meetings were started, sometimes two a week, and the members cleared the brush and burned it. One member had a small tractor that he



### AFTER

brought each time. Some members hauled rock to build the walls in their cars, making trip after trip. The tables were made by a couple of members who are carpenters by trade. The society bought four large barbecues and they were set deep in concrete, as were the tables and benches.

The city provided some of the equipment, but most of the material was donated by the society's 150 members. And the hard work of hauling soil and planting the iris was done by members and their families.

*Mrs. Ballard mentions in the accompanying letter that the society plans to clear an adjoining area that will enable them to build a pool and add Japanese and Louisiana irises to the collection.*

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## BRITISH IRIS SOCIETY

### *Do You Know What You Are Missing?*

*by not belonging to the British Iris Society?*

Copies of the 1964 Year Book, full of good things for all iris lovers, are on their way to members of the BIS.

You can join the Society and have a copy mailed at once, on the payment of three dollars.

This also will entitle you to receive in due course the periodical news letters, and the 1965 Year Book in a year's time.

Mail your remittance for \$3.00 to

The Secretary, The American Iris Society

2237 Tower Grove Blvd., St. Louis, Mo. 63110

who will forward it to the BIS in England.

# San Diego Civic Center Iris Garden

JAMES WATKINS

The San Diego-Imperial Counties Iris Society formally inaugurated a planting of iris in San Diego Civic Center on September 19, 1964, with a ceremony featuring the presentation of iris rhizomes by James E. Watkins, the group's president, to County Supervisor David Bird representing the County of San Diego. The ceremony was televised and shown on a San Diego news broadcast. The initial planting was along the walk to the main entrance of the building, comprising sixty rhizomes each of STEEPLECHASE and FLAME KISS, both of which rebloom in southern California.

The San Diego County Board of Supervisors had passed a resolution on September 1 authorizing the planting and asking that Civic Center be included on a garden tour when Region 15 holds its annual meeting in San Diego in 1966. Many plants have already been donated, and it is estimated that during the next year the five acres of grounds will be planted with well over a thousand iris. The Board of Supervisors expressed much interest in the program, noting that as the plants increase, they could be used in other grounds owned by the county in a program of community beautification.

Formed in July, 1963, the San Diego-Imperial Counties Iris Society started with six attending its organization meeting, out of twelve AIS members of record. In its first year it increased its membership to 98. It holds a meeting every month, and gave its first annual show in May, 1964. Preparations are under way for its 1965 show and for the 1966 Regional meet.

## *Meditations of an Editor*

I've been thinking, and evidently thinking much too intently, for right now I am in the doghouse with my three year old granddaughter for failure to respond with proper enthusiasm over the news she fairly bubbled in my ear that her brother had been elected student council "representator." Really now, grandfathers ought to have matured enough to appreciate in proper perspective the important news of the world.

But I've been thinking—because recent events have focused my attention on four men and the unselfish and unstinting service they have given to The American Iris Society.

Claude O'Brien recently resigned from the Board of Directors for reasons of health. Claude was a tremendously successful RVP, and when he came on the Board he accepted cheerfully the not-so-easy assignment of membership chairman. He gave tremendously of his time and energy to these duties, and his personal qualities endear him to all of us who know him. Here is every inch a true Southern gentleman, and his company always is a pleasure.

Recently at the Region 18 meeting, I looked out over the audience and saw two former RVPs of that Region, and sat beside the retiring RVP. All of them have made sturdy contributions to the American Iris Society, and all of them deserve the enduring plaudits of a grateful Society.



Carl Schirmer was a powerfully effective RVP, and he served on the Board of Directors for a period of twelve years, many of them as Treasurer of the Society. His wise and objective counsel was, and still is, a source of strength to the Society.

Dr. Hugo Wall, every inch the scholar and the master of the precise phrase, brought these talents to bear in many facets of AIS. He too was a successful RVP, and made important contributions to the Judges' Training Program and to the Revision of the Judges' Handbook.

Robert Minnick, the retiring RVP, brought to the Region a genius for organization. In his quiet way, and with meticulous attention to detail, he brought into being a regional organization that is model. But an even greater contribution may be his concept of the pattern of the Regional Test Garden.

Out of the rich and unselfish contributions of these men, and many hundreds of other men and women, is the real spirit of the American Iris Society made.

## GREIG LAPHAM

TELL MUHLESTEIN

We in Utah were saddened to have Elizabeth Lapham's telegram telling of the passing of our good friend Greig Lapham. Procrastination this year had prevented my "annual report" to Greig, and I was not aware that conditions had become such that he was not up to his usual heavy load of correspondence. Greig and I had a wonderfully rich and warm friendship through the years. This started when one year I wrote him that his SPRING MAID had continued to bloom through July 4th to help us celebrate this day. Again such a season prevailed this year, and we had a repeat performance of bloom on this date, when usually all bloom is over by mid-June.

About seven years ago Elizabeth and Greig Lapham came to Utah. Elizabeth was weary and did not attempt the trip to Provo from Salt Lake City, but Greig arrived and gave us the opportunity we always had wanted, a chance to shake his hand and know him personally. My father was living then, and he and Greig found that they had much in common, even though my father's only interest in gardening was to irrigate to make sure that the plants that surrounded our home did not die of pure neglect. Greig remained to have dinner with us and left with my father a donation toward the building of our new chapel, although he was not a member of our faith. But Greig was, we were to find out, that kind of man. He was goodness, kindness and generosity, all encompassed within one soul whose interest in family and friends glowed like a beacon light.

Greig loved to share his irises in the hope that some would be useful to other breeders. I think that Tompkins' lines with SPRING MAID bloodlines gave him a certain satisfaction, and his seedling back of CHINESE CORAL and PRAIRIE BLAZE will help to insure that his bloodlines will be around for a long time.

We had much correspondence about pinks, and the last time he wrote me, "The pinks still elude me . . . but the reds are most satisfying and of these I shall write more later and give you numbers and perfect detail. With the lines Paul Cook and I have incorporated, crossed, finally with TOMELEA, I

have some satisfactory, large, smoothly finished flowers of which I am not in the least ashamed. I would say that several are, if not spectrum red, fine advances."

Greig's "bloodlines" will continue to be around as long as irises are grown. RED GLEAM was a good red that founded my own BURMESE RUBY, which now is in many of the Schreiner reds, in TOMECO, UTAH VELVET, and others.

Greig Lapham's monument is everlasting, and he left with those of us who knew him an impression of true manliness and goodness. We shall miss his "annual report." We express appreciation for the contributions of this quiet and unassuming hybridizer. He has enriched the lives of flower lovers the world over.

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### **REGION 14—1965 SPRING MEETING**

The Sequoia Iris Society will be host to the 1965 spring meeting to be held at Porterville, California, April 24 and 25, with headquarters at the Skylark Motel on Highway 65. Registration starts at 9:00 a.m. on Saturday, and Saturday and Sunday will be spent visiting gardens. The banquet will be held at 7:00 p.m. on Saturday.

The banquet speaker will be Mr. H. M. Parker, atomic scientist and Director of Research at the Atomic Works at Hanford, Washington. His talk will center on the part atomic energy will play in changes in irises of the future.

About 1,000 new seedlings will be shown in the tour gardens, and many of these have come from out-of-region hybridizers.

Write W. B. Schortman, 849 West Putnam Avenue, Porterville, California, for reservations.

### **REGION 6—1965 SPRING MEETING** Kingwood Center, Mansfield, Ohio, May 29-30

### **MEMBERSHIP LIST**

A new membership list will be published as a supplement to the April BULLETIN. Only members whose dues are paid as of February 1, 1965, will be included. Be sure the St. Louis office receives your membership dues before that date.

### **BULLETIN DEADLINES**

All copy for the April BULLETIN must be in the hands of the Editor by February 15; all copy for the July BULLETIN must be in the hands of the Editor by May 15. If we are to get a BULLETIN out on time, this is imperative.



## AIS ROBIN PROGRAM SECTION

PEGGY BURKE GREY, *Editor*  
8191 Franz Valley Road  
Calistoga, Calif. 94515

KEITH KEPPEL, *Assistant Editor*  
517 Jesse Ave.  
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### HOT NEWS

As most of the membership must know by now, Peg and Bob Grey's Deer Trail Farm was burned over by last fall's big Calistoga forest fire. Even as this copy is being prepared in November, Peg isn't sure how extensive the damage to the trees will be. Peg writes, "The morning after the fire, we went out to survey the damage. All the underbrush was gone and it looked exactly like a new-fallen snow scene, only black." Despite the loss of buildings, furniture, silver and china, files and records, and much of the garden, Peg has managed to save her precious sense of humor. We're sure that the flood of cards and letters has helped tide her through a very trying period. And—to prove once more that it takes more than *iris* to make an iris society. Thanks, all you wonderful people. . . .

Specialty groups (this includes you *tall bearded* specialists!) who feel that their interests are being overlooked should take a lesson from this issue of *Flight Lines*. Take one or a few good robins (this time from the Japanese Iris Division), add a competent and faithful reporter (our dear friend Edith Cleaves) who sees that the quotes get sent in to *Flight Lines*, and presto—a specialty group has its day.

### EAST MEETS WEST

Adapting garden conditions to suit plants native to half a world away could be quite a task, but the Japanese iris robin members seem to be succeeding quite well. A few of their "secrets" should help the rest of us. C. A. Swearngen of Terre Haute, Indiana, Robin Chairman for the Japanese division, has this plea: "Those of you in areas that freeze, *please* don't forget to mulch all seedlings and newly set plants after the first freeze of the season. The heaving that goes with freeze and thaw lifts plants—and *that's it!* Winter kill, as such, does not exist as much as many think and not at all for Japs. I regularly have  $-20^{\circ}$  F. here, and last winter it was down to  $-30^{\circ}$  F. for three days. No kill."

From the same source comes this tip on rot: "For rot control, agrimycin or terramycin will work. Use about one teaspoon per gallon of water. Expose the diseased spot; use a knife or an old spoon with a sharp edge to cut away affected tissue. Drench or spray the area well. I use a small glass-can type of spray gun. *Do not* fill dirt back around the open wound, but let sun and air make a callous. Good drainage seems to have eliminated rot here."

# NATIONAL ROBIN PROGRAM DIRECTORY

*National Robin Program Director*

John A. Bartholomew, 35 Pine Grove St., Milton, Mass., 02186

## ROBIN DIVISIONS AND CHAIRMEN

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Miss Leah Ralls, 300 East Fifth St., Edmond, Okla.

Joseph H. Hoage, 309 Catskill, Richland, Wash., 99352

Mrs. Guy R. Kirby, 212 Forrest Ave., Norfolk, Va., 23505

Fred L. Nacke, 1007 Long Ave., Richland, Wash., 99352

Mrs. Elizabeth H. Rowe, 1231 Wightman St., Pittsburgh, Pa., 15217

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*Asst. Chm.:* Dr. Gordon Loveridge, 2 Lynch St., Young, NSW, Australia

*Div. Dir.:* Mrs. Raymond Holt, Rt. 1, Harris, Minn.

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### TEENS AND TWENTIES—*Chairman:*

Mrs. Iris Smith, Box 124, Hitchcock, Okla., 73744

### IRIS PHOTOGRAPHY—*Chairman:*

Mrs. P. M. Lane, 6017 N. Depauw St., Portland, Oreg., 97203

## HOW TO JOIN AN AIS ROBIN

Applications for Tall Bearded Robins should be sent to the National Program Director. For membership in other divisions, application may go to the National Program Director (advising which divisions you wish to join) or to the chairman of the division in which you wish to enroll. The Irises in General, General Hybridizing and General Medians Divisions are recommended for fairly new irisarians wishing to gain broad general background on those topics. Regional Robin applications may be sent to your own Regional robin representative, the National Director or the division chairman. For names and addresses of National Robin Program personnel please refer to the directory above.

Helen Stevens, Middleburg, Pennsylvania, describes the soil which she uses. "In the area where our seedlings are grown and the named varieties are first planted, the soil is composed largely of rotted sawdust. Years ago this area was a place where wood was sawed. This has rotted down to a deep, rather dark and probably acid loam, and the plants appear to like it. The only problems are that quack grass persists here and the soil dries out quickly and requires summer watering."

From Addison, Illinois, comes this comment from Mrs. Victor DuJardin. "I give the big clumps of Japanese irises lots of manure and cottonseed meal in the spring when they are uncovered, then periodic doses of Rapid-Gro. They seem to like it. They also get lots of water all season."

## SWEET 'N SOUR

Japanese irises require an acid soil, fairly retentive of moisture, but an excess of water is beneficial only during the pre-blooming and blooming seasons. Hitting on the subject of acidity, C. A. Swearengen makes the following observations regarding pH. "A pH at or near 5.8 showed, in plant tissue tests made here, a higher concentration of nitrogen, potash, and phosphorus than at any other pH between 7.4 and 3.8. Tests were taken at 0.2 steps. Proper acidity seems to control the intake of nutrients."

Dr. Victor F. Scholz, Los Angeles, California, adds his thoughts. "Micro-organisms of the soil will vary with the pH of the environment. It is not the concentration of soil chemicals that is important, but rather the availability of the chemicals to the plant, which in turn is based upon micro-organisms in the soil."

## ON THE SUBJECT OF SEEDS

More and more people are trying the Japs from seed. Eugene Wagner, Newark, Ohio, observes, "We had a few seedlings bloom this past spring from such old varieties as GOLD BOUND and LIGHT IN THE OPAL and from seedlings. I was surprised to see that so many were improvements on their parents." Eugene is doing some experimenting, too. "I have been treating some plants with 0.5% colchicine, hoping to get some tetraploid Japanese irises." C. A. Swearengen cautions, "Your colchicine dilution is considerably stronger than what I have found to be lethal, for 0.02% is about all that they will take as seedlings. It is probable that the potency of our respective chemicals differ due to age or moisture absorption. No results here except that strength of solution has been determined."

Lys Housely, Golden, Colorado, tells how she plants her seeds. "The seedling method I use for tall beardededs seems to be good enough for species as well. While we experiment and try different things, the basic method is this: prepare the bed well, with plenty of peat moss, and be sure that by the time the seedlings are of blooming size that they will get enough sun. Plant seeds early and as fresh as possible before the seed coat gets hard. So what if they do come up early—the percentage of germination and live plants will still be higher than if the seeds are held over. I have to move some seedlings the first spring they are up, because I plant the seeds very close; I have found that the ones that are not moved usually bloom sooner, often by one or two

years. I try to keep the seed bed from drying out until after the spring germination is over. That is, keep it moist but not flooded."

Dr. Scholz tells of his method. "Seed planting in prepared flats: mix composed essentially of peat moss with a little sand; spread semi-green seeds approximately ½" under the surface. Seed harvested in May, 1964, was immediately put into flats. By October the flat was filled with seedlings 6" to 8" tall. I have found most seeds germinate in an acid type of medium. This includes seeds of *oncocyclus* and other arils. Also, by keeping seed beds wet and giving as much sunshine as possible, the rate of growth of the seedlings is speeded." He adds, "I do some embryo culture. I am always frustrated upon transplanting the resultant seedlings and have given up on embryo culture almost entirely, because although the natural germination is of a slower nature, it at least is of a more positive nature for me."

Edith Cleaves, San Jose, California, writes, "I use 2" x 8" x 8" aluminum cake tins almost filled with dry vermiculite. Moisten well, plant seeds ½" deep, and keep the tins moistened and in the sun. Japanese seed germinates in twenty-five days, even *oncocyclus* seed in less than one year. Easy to transplant."

C. A. Swearingen comments on a wide cross. "Japanese irises × *I. foetidissima* won't work. There is no chlorophyll in the few plants you may get and as a result there can be no photosynthesis, ending in starvation of the plant. The plants are albinos from the start and most never exceed one inch in size, although one reached a skimpy two inches before dying. I had four plants, all by embryo culture."

#### AT LAST, THE BLOOM

All the fussing with soil mixes, seed sowing, fertilizing, and fretting has but one logical goal: the blossoming of something worthy of all the time, trouble, and mental anguish. The Japanese irises *are* worthy! Dr. Scholz mentions the following: "In my garden *GEISHA DANCE* grows a bloom stalk about 40", usually one terminal bud. If there are two, the secondary is very small and does not open until quite a while after the primary bud has faded. *HALLS OF MARBLE*, *SORCERER'S TRIUMPH*, and *MYSTIC BUDDHA* are of the type that hit you right in the eye, but after once seeing them, they leave nothing for contemplation. *HALLS OF MARBLE* usually measures 10" to 11" in diameter, and *ROYAL CROWN* is of comparable size. In previous years the blossom of *WORLD'S DELIGHT* was of a symmetrical nature, but this year appeared asymmetrical."

Helen Stevens adds, "The color and performance of *PINK FROST* I consider to be excellent. It is, of course, not pure pink, as all Japanese irises in this shade are really orchid-pink, but it gives a good pink effect and is a very lovely thing, both as to color and form."

Mrs. Louis Mello, Sandy, Oregon, tells of her visit to Walter Marx's. "My vote for the most beautiful on display would have gone to *LADY IN WAITING*, a 7" white with pure pink edge which was pin-pleated so uniformly you hardly believed the flower was real. Also seen were some numbered seedlings. Marx 110-2 was larger, better colored, and more ruffled than *MAUVE OPERA*. His 110-5 was a double bloom of frosty deep purple with large signals. Two large vases of *ROYAL PAGEANT* flanked the doorway—large 11" flat blossoms with long stems and starchy substance."

She continues, "PASTEL PRINCESS I liked least of all. It blooms very early here, its only virtue in my opinion. SILKEN PARASOL was very blue. SEA TITAN was large and dark blue. MAJESTIC MOUNTAIN crowned the plant with huge deep lavender blossoms. TIDAL WAVES rippled in abundant blue on the plant; so many blooms, in fact, that from a short distance it did indeed look like a wave of blue. APPLE BLOSSOM CASCADE was soft pink in color, but showed brown spots where the sun and rain had combined to scorch the petals. REIGN OF GLORY was extremely large and beautiful but had few blooms on the plant I saw."

Eugene Wagner tells of what he saw in his part of the country. "MIODOROKI was 8" in diameter although the plant was not well established. MAHOGANY has more appeal to me than any of the newer red-purples. I guess it must be the elegant ruffling. ORCHID MAJESTY is gorgeous, a deep lavender-purple. SILVER CREST and SORCERER'S TRIUMPH are darkly pencilled on a lighter ground. LIGHT IN THE OPAL was pleasing to see again. I can't recall any modern variety with its oddly splashed pink coloring. It passes the marking on to its seedlings. DANSEUSE, which is a gorgeous pink, doesn't take the weather too well. Of the Marhigos, SNOWY HILLS and SUMMER STORM take the elements well."

Eugene goes on to describe a couple of seedlings. "Swearengen #429 is large and simple, with overlapping petals. The ground color is off-white marbled on medium purple. Firm substance and three way branching. A fitting companion to Payne's new marbled double variety WOUNDED DRAGON. Swearengen #391 is a many-petalled peony type red-purple. A cut flower hardly looks like a Japanese iris."

#### CONVENTION COMMENTS

Switching our attention to the tall bearded, we find that Mrs. Albert DeHahn of Wayland, Michigan, took lots of pictures at the Chicago convention and that they turned out well. She comments on some of the varieties that caught her eye. "PRAIRIE BLAZE I thought was good. Fay's ORANGE CHARIOT was not as deep an orange as ORANGE PARADE. MORNING BREEZE was a lot like RIPPLING WATERS, but lighter in color. ONE DESIRE, nice pink with pink beard, but the standards stayed open. BON VIVANT was good; the falls really overlapped. PINK MAGIC, FIRE RUBY, and LIGHTUP were good. PRECIOUS PROMISE was a lot like MARILYN C. In my own garden I had good bloom on BLUE BARON and liked it. GOLDEN MASTERPIECE doesn't increase much, but makes good rhizomes. I'd like to have them all like GOLDEN MASTERPIECE—so they wouldn't increase so fast and yet put up a good flower."

Delia Munn, Virginia Beach, Virginia, tells, "After viewing one of the convention gardens, I know why I have always felt that irises needed no other companion planting to show off, and why I prefer a green non-flowering background. To me, the exotic blooms show off better with no competition, and certainly the color range is wide enough to stand alone. I find most other flowers too coarse in texture and too harsh in color for good blending. Of course, one's garden reflects one's individuality—and I cannot stand conglomeration; it absolutely exhausts me. I like my garden to look cool and restful. The different shades and textures of green entice me. I feel that everything needs a background—people included."

From Huntsville, Alabama, comes friendly disagreement voiced by Lester Sparks. "It is human nature for some to like one iris and some another. Delia didn't like the small garden where there was a mixed planting of many flowers. I did like it very much. It is true that the irises did not show off as well as they would have in separate beds. There were many fine irises at Chicago that had bloomed before the convention. A few that were in bloom during the convention that I did like were: Fay's CHINESE CORAL and RIPPLING WATERS; Gibson's WILD GINGER; Johnson's MALACCA STRAITS (labeled 'Natufian' in the gardens); Palmer's BILLOWING SAILS and SOPHISTICATE; Schreiner's PRINCE INDIGO; Marsh's PRAIRIE BLAZE; Varner's ILLINI GOLD; Hinkle's HELEN KELLER and LE BEAU; Luihn's DARK FURY and his seedling 61-1."

## FLAG DAY

Half the fun of growing good irises is showing them to people who have not as yet discovered the modern varieties. Edna Gillen, La Junta, Colorado, is trying to educate the public. "We don't have an iris show, but did have a number of garden visitors. None of the visitors grows any recent introductions; in fact, one visitors still referred to them as "flags." I told him when they cost a dollar they were called "irises," and that we didn't have any of the "flags" or "cemetery irises," as we used to call the old yellow, blue, and white ones."

Out in San Jose, California, Hazel and Auda Stewart start out with a soft sell techniques. Hazel writes, "One of our great interests is promoting irises. We give starter sets to the meter reader, the substitute reader, the plumber, the gopher control man, and a fireman from the nearby fire house. As we see most of them, it will be easy to keep in touch. I'll tackle them for a membership in AIS if all goes well. It is the pink irises that get them."

Mrs. C. L. Frohnert, Brownsville, Pennsylvania, reports, "Our irises were the nicest they have been in a long time. We had so many visitors to our garden! One Sunday they started coming at 10 a.m. and the roast I had in the over ready to serve at 12:30 didn't see the table until 5:30 p.m. All the irises bought the previous year had at least one bloom. I was a little disappointed in BLUE BARON, but POMPANO PEACH was a real beauty."

## PUT ON YOUR PARKA, MA—WE'RE HEADED TO AN IRIS SHOW

Once more we must report on the antics of Leda Christlieb, Severy, Kansas. She confesses, "I saved one of the last blooms from a favorite seedling of mine. It was a bright rosy lavender, nicely domed and flaring, with bright tangerine beard. Parentage, CLOUD CAP × APPLAUSE. I used a gallon jar with a wide lid, cut styrofoam to fit the lid, pushed the stalk into the styrofoam, then inverted the jar over the flower and screwed the jar onto the lid. I froze the whole thing. It delights my eyes every time I open the freezer. The flower should not touch the sides of the jar, and that was my reason for using a smaller bloom. I must tell you, though, that repeated defrosting so others could see the bloom has caused some collapse of the standards. I've stuck the jar under the faucet to defrost the outside of it quickly."



The next logical step, of course, would be for Leda to organize a flower show. Can't you see it now? Held in summer in someone's walk-in freezer; what a wonderful way to beat that Midwest heat! And with all the exhibits "on ice," it wouldn't matter if the spring season happened to be a couple of weeks too early or late.

### TERMITES HO!

Despite Editor Grey's derisive remarks to the contrary, I would like to report that irises can indeed be attacked by termites. On occasion they will tunnel into an otherwise healthy rhizome and excavate upwards an inch or two into the leaves, staying between the outer and inner surfaces of an individual leaf. We've already sent rhizomes (and termites) as proof to some non-believers. (No, Peg, they were *not* in KNOTTY PINE.)

Now—if you're wondering why *your* robin never appears "in print," you might do some checking. Does the robin contain material worth repeating for the general membership? Most important, is this material sent in to one of the *Flight Line* editors? Obviously, we can't print what we ain't got. . . .

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**We Have . . .**  
**MERISTEM ORCHID**  
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# Minutes of Directors' Meeting

Pick-Congress Hotel, Chicago, Illinois

October 10-11, 1964

The meeting was called to order October 10 at 9:00 A.M., with the following members of the Board in attendance: First Vice President Fischer, Second Vice President Nelson, Immediate Past President Randolph, Past President Wills, Treasurer Ackerman, Directors Allen, Bartholomew, Buxton, Gaulter, Hamblen, Lenz, Schreiner and Executive Secretary Benson. Absent were Durrance and O'Brien. Mrs. Kay Negus, Assistant BULLETIN Editor, and Miss Ruth Rees, Chairman of the Public Relations Committee, attended the sessions.

The four nominees for the Board of Directors whose names were submitted to the AIS membership by letter dated July 28, 1964, in accordance with the By-laws, were declared elected for three-year terms. They are Mr. Robert S. Carney, Tennessee; Mrs. James R. Hamblen, Utah; Dr. J. Arthur Nelson, Nebraska; and Mr. John A. Bartholomew, Massachusetts. Mr. Bartholomew succeeds Jay C. Ackerman, whose term expires in 1964.

The following official motions were duly made, seconded and passed by the Board.

Approval of the minutes of the Board meeting in Chicago, Illinois, on June 3, 1964, (July 1964 BULLETIN, page 110).

The reports by chairmen of the following committees were approved with appreciation of the valuable services rendered the Society.

Award Committee .....	Mrs. Walter H. Buxton
Exhibition Committee .....	Dr. J. Arthur Nelson
Judges' Training Committee .....	Mr. Larry Gaulter
Membership Committee ....	Mr. Claude C. O'Brien (by Carney)
Registrations Committee .....	Mrs. James R. Hamblen
Robin Committee .....	Mr. John A. Bartholomew
Scientific Committee .....	Dr. Lee E. Lenz
Slides Committee .....	Mr. Robert Schreiner
National Test Gardens .....	Dr. Raymond C. Allen
Sections and Affiliates .....	Mr. Hubert A. Fischer
Advertising .....	Mrs. Peggy Grey (by Carney)

Treasurer J. C. Ackerman presented a report on the financial condition of the Society as audited by Harris, Reems and Ambrose, certified public accountants, Lansing, Michigan. The report was accepted with sincere appreciation, and publication in the BULLETIN authorized.

Executive Secretary Benson reported on the present membership of the Society by Regions and States, and reported that the Society had 6,649 paid up members as of September 30. The five Regions with the largest number of members were: Region 17, 538 members; Region 6, 512 members; Region 18, 503 members; Region 24, 487 members; and Region 4, 405 members.

The Distinguished Service Medal was awarded to Mr. Jay C. Ackerman, Lansing, Michigan.

The Hybridizer's Medal was awarded to Mr. W. A. Payne, Terre Haute, Indiana.

It was voted to authorize incoming RVPs to commence their tour of duty immediately upon appointment by the Board of Directors at the Fall Board meetings.

It was voted to accept Mrs. Hamblen's (with committee members Mr. Keppel and Dr. Randolph) report on Registrations, with publication in the BULLETIN authorized.

It was voted that the Registrar shall approve or turn down names submitted for registration. However, the registrant may appeal the Registrar's decision to the Registration Committee, and its decision shall be final.

It was voted to move the office of Registrations to Omaha, Nebraska, January 1, 1965, with Dr. J. Arthur Nelson as Registrar.

It was voted to publish a new membership list in 1965. This new list will be a supplement to the April 1965 BULLETIN, limited to paid up members, and will be compiled as of February 1, 1965.

It was voted to publish between 2,000 and 2,500 of the revised *Judges' Handbook*. A committee to edit the manuscript for publication was appointed, with Mr. Gaulter, Miss Rees, Mr. Jacoby, Dr. Randolph and Dr. Nelson as members of the committee.

It was voted to authorize Dr. Allen to obtain suitable certificates to be awarded to the three top irises in the National Test Gardens during the past year.

It was voted to permit contributors to the National Test Gardens to send three rhizomes instead of five, as formerly requested; these rhizomes to be sent to the National Test Gardens preferred. However, it is recommended that rhizomes be sent to all five National Test Gardens if possible.

It was voted to authorize HC winners to be entered in the National Test Gardens from the year of winning the award up to and including the year of introduction.

It was voted to activate a certificate, known as the Regional Test Garden Award, to be awarded in the Regional Test Gardens. This award authorizes the winner's entry into the National Test Gardens. Garden judges may vote a combined total of ten HCs and the Regional Test Garden Award.

It was voted to accept, with regret and with deep appreciation for his services to the Society, the resignation of Mr. Claude C. O'Brien as Director; and to appoint Mr. William Bledsoe, Tennessee, to fill Mr. O'Brien's unexpired term.

The following members were appointed Honorary Judges.

Mrs. Georgia Hinkle, Illinois                      Rev. W. T. Corcoran, Canada

Appointments of new RVPs for 1965 were made as follows:

1. Mrs. Elizabeth H. Rowe, 1231 Wightman, Pittsburgh, Pa.
4. Mrs. Rena Frantz, 813 Tremont Road, Salem, Va.
6. Mr. Anthony Willott, 26231 Shaker Blvd., Cleveland, Ohio
8. Mr. G. F. Hanson, 7124 Riverdale Road, Minneapolis, Minn.
9. Mr. Lerton W. Hooker, 117 W. Greenfield, Lombard, Ill.
12. Dr. Odell Julander, 1790 West 1460 North, Provo, Utah
14. Mrs. Bernice Roe, 1051 Bird Avenue, San Jose, Calif.
16. Mr. Douglas Insleay, 2920 Berlioz Ave., Villa Brossard, Quebec, Canada
18. Mr. C. Allen Harper, 100 East 81st St., North, Kansas City, Mo.
22. Mr. John W. Humphrey, 1102 Adams St., R. 4, Stillwater, Okla.

The following RVPs who have served either one or two years were reappointed for 1965:

- |                          |                            |
|--------------------------|----------------------------|
| 1. Mr. Frederick W. Gadd | 15. Mr. Thorton M. Abell   |
| 2. Dr. Irwin A. Conroe   | 17. Mrs. Joe L. Bergin     |
| 5. Mrs. C. C. Chapman    | 19. Mr. Willard I. Rogers  |
| 7. Mr. Jake R. Scharff   | 20. Mr. Joseph O. Riley    |
| 10. Mrs. L. L. Robinson  | 21. Mr. Floyd Helt         |
| 11. Mrs. C. Arvid Nelson | 23. Mrs. Bernard O. Barnes |
| 13. Mr. Austin Morgan    | 24. Mrs. Reuben Sawyer     |

It was voted to hold future Fall Board of Directors' Meetings on the first weekend in November. In 1965, the Board meeting will be held in New Orleans, Louisiana, on November 6-7.

The following schedule of annual meetings for the next five years was reviewed and approved.

1965	Memphis, Tennessee.....	May 8 through May 10
1966	Newark, New Jersey .....	May 29 through June 1
1967	Oklahoma City, Oklahoma .....	Dates undetermined
1968	Berkeley, California .....	Dates undetermined
1969	Milwaukee, Wisconsin .....	Dates undetermined

It was voted to appoint a committee of Dr. Allen, Dr. Randolph and Mr. Bartholomew to present recommendations to the Board relative to holding the 1970 National Convention in Regions 1 and 2 or Region 13.

Appointments of chairmen of standing committees for the ensuing year were announced as follows by President Carney: The new appointments are as follows; all other committees retain the same chairmen.

Exhibitions .....	Mr. William Bledsoe
Membership .....	Mr. Clifford Benson
Publications ....	Dr. J. Arthur Nelson and Mr. Thomas E. Jacoby, (Co-chairmen)

The following officers were elected for the ensuing year:

President .....	Robert S. Carney
First Vice President .....	Hubert A. Fischer
Second Vice President .....	J. Arthur Nelson
Treasurer .....	Jay C. Ackerman
Editor .....	J. Arthur Nelson
Executive Secretary .....	Clifford W. Benson

A vote of thanks was extended to Mr. Fischer for the excellent arrangements provided for this meeting of the Board of Directors; and a vote of deep appreciation was extended to the membership of the Northern Illinois Iris Society for their thoughtful and gracious hosting of a dinner and fellowship hour for the Board on Saturday evening.

The Board meeting was adjourned at 12:30 P.M., October 11.

CLIFFORD W. BENSON  
*Executive Secretary*

# Report of the Treasurer

For Fiscal Year Ended September 30, 1964

## ASSETS AT END OF YEAR

### *Cash in Banks*

Easton-Taylor Trust Co., St. Louis (transfer acct.) ..\$	6,120.63	
Easton-Taylor Trust Co., St. Louis (petty cash) ....	1,000.00	
American Bank & Trust Co., Lansing (admin. acct.)	4,813.42	\$11,934.05
		<hr/>

### *Reserve Funds*

American Bank & Trust Co. (Savings Acct. #12749)	17,789.07	
American Bank & Trust Co. (Scientific and Research Acct. 14787) .....	6,020.91	23,809.98
		<hr/>

### *Investments*

7 U.S. Series J Bonds \$1000 Maturity Value each	5,040.00	
2 U.S. Series J. Bonds \$ 500 Maturity Value each	720.00	5,760.00
		<hr/>
Total Financial Assets .....		\$41,504.03

### *Physical Assets (Estimated)*

Furniture and Equipment .....	3,595.00	
395 Books <i>Garden Irises</i> .....	1,975.00	
Other books, old check lists, Bulletins, etc. ....	1,021.00	
Exhibition Supplies .....	1,000.00	
Color Slides .....	53.00	
2390 copies of 1959 check lists at cost .....	5,855.00	
		<hr/>
Total Physical Assets .....		13,499.00
		<hr/>
Total Net Worth .....		\$55,003.03

## STATEMENT OF RECEIPTS AND DISBURSEMENTS

### *Cash in Banks, October 1, 1963*

Easton-Taylor Trust Co. (petty cash acct.) .....	\$ 1,000.00	
Easton-Taylor Trust Co. (transfer acct.) .....	2,605.81	
American Bank & Trust Co. (admin. acct.) .....	7,347.94	\$10,953.75
		<hr/>

<i>Cash Receipts for Fiscal Year</i> .....		37,730.48
<i>Transferred from Scientific and Research Account</i> .....		1,506.16
		<hr/>
		\$50,190.39

Disbursements for Fiscal Year .....	\$36,898.63	
Transferred to Other Accounts		
Cash Reserve .....	\$694.20	
Scientific & Research .....	663.51	1,357.71
		<hr/>
		38,256.34

### *Cash in Banks as of October 1, 1964*

Easton-Taylor Trust Co. (petty cash acct.) .....	\$ 1,000.00	
Easton-Taylor Trust Co. (transfer acct.) .....	6,120.63	
American Bank & Trust Co. (admin. acct.) .....	4,813.42	\$11,934.05
		<hr/> <hr/>

## ITEMIZATION OF RECEIPTS

### *Memberships*

Renewal Single Annual .....	\$12,918.70	
Renewal Family Annual .....	4,421.51	
Renewal Single Triennial .....	2,234.36	
Renewal Family Triennial .....	836.50	
New Single Annual .....	3,607.20	
New Family Annual .....	762.00	
New Single Triennial .....	575.00	
New Family Triennial .....	85.00	
Sustaining .....	120.00	
Research .....	165.00	
Life .....	575.00	
Affiliate .....	125.00	\$26,425.27

### *Other*

Collected for Median Society .....	\$ 2.00	
Collected for BIS .....	555.70	
Books, Color Charts and Merchandise for Resale ....	795.76	
Bulletins .....	279.02	
Old Check Lists .....	67.50	
Slides .....	351.04	
Membership Tapes .....	511.87	
Bulletin Advertising .....	3,017.50	
Registration Committee .....	622.00	
Exhibition Committee .....	2,279.81	
Miscellaneous .....	43.51	
Garden Irises .....	1,459.49	
Interest Earned .....	976.76	
1959 Check Lists .....	343.25	11,305.21
		\$37,730.48

## ITEMIZATION OF DISBURSEMENTS

### *Bulletin Expense*

Salaries .....	\$ 1,050.03	
Printing .....	9,394.34	
Engraving and Photography .....	1,558.75	
Postage and Envelopes .....	497.42	
Supplies .....	.80	
Miscellaneous .....	30.00	
Furniture and Equipment .....	399.45	\$12,930.79

### Secretary's Office Expense

Salaries .....	\$ 9,808.30	
Postage and Shipping .....	1,795.50	
Printing .....	459.60	
Supplies .....	316.58	
Telephone and Telegraph .....	133.73	
Insurance .....	156.46	
Refunds .....	142.30	
Secretary Travel and Expense .....	146.23	
Books, etc. for Resale .....	424.07	
Gifts (in lieu of rent) .....	1,000.00	
Miscellaneous .....	217.90	
Garden Irises .....	506.16	
Equipment Repairs and Maintenance .....	180.48	
Advertising .....	733.04	
Furniture and Equipment .....	594.15	\$16,614.50

### Other Expenses

Awards Account .....	\$ 1,238.21	
Exhibition Account .....	1,813.87	
Membership Account .....	210.13	
Registration Account .....	1,550.75	
Robin Account .....	216.64	
Test Garden Account .....	56.17	
Slides Account .....	76.70	
RVP Account .....	92.58	
Officers Printing Account .....	195.17	
Payroll Taxes .....	348.33	
Judge's School Committee .....	79.69	
BIS for American Memberships—1963 .....	475.10	
Scientific and Research Account .....	1,000.00	7,353.34
Total Disbursements .....		<u>\$36,898.63</u>

### Transfers

To Scientific and Research .....	\$ 663.51	
To Cash Reserve .....	694.20	1,357.71
Total Disbursements and Transfers .....		<u>\$38,256.34</u>

JAY C. ACKERMAN, *Treasurer*

### "IRIS CULTURE AND HYBRIDIZING FOR EVERYONE"

The first book ever written entirely for hybridizers! It is the cream skimmed from notes taken from literally thousands of letters, written in *Hybridizing Robins* directed by the compiler during the past 15 years, and answers almost any question the average or beginning hybridizer might ask. Only \$5.95. Order from, or write for descriptive folder to:

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# Report of the National Robin Program

During the past eight years, the National Robin Program of the American Iris Society has received approximately 5,000 requests from Society members to join correspondence groups in its various Divisions. Most popular has been the Tall Bearded Division, which has received about 1,300 enrollments. The subject of Iris Hybridizing was next in importance, and around 900 people have chosen this topic for discussion. There have been approximately 300 enrollments in the entire National Program during the past twelve months. A summary of enrollments in the Program since 1956 follows:

<i>Division</i>	<i>Total Enrollments</i>	<i>Division</i>	<i>Total Enrollments</i>
Iris in General .....	179	Boarder Bearded .....	86
Tall Bearded Irises .....	1,301	Spurias .....	137
Reblooming Iris .....	205	Louisiana Iris .....	115
Miniature Dwarf Bearded ....	140	Species and Natives .....	200
Arils and Arilbreds .....	216	General Hybridizing .....	313
Siberian Iris .....	80	Advanced Hybridizing .....	581
Japanese Iris .....	180	Iris Photography .....	171
General Median .....	170	Regional Robins .....	404
Standard Dwarf Bearded .....	74	International Robins .....	155
Intermediate Bearded .....	67	Historical Irises .....	35
Miniature Tall Bearded .....	125	Miscellaneous .....	75

During the past year we have undertaken the setting up of an Iris Breeders Seminar within the structure of our National Robin Program in an attempt to get the iris breeders in closer contact with one another, and to set up a systematic method of recording the breeders' experiences for the benefit of each participating breeder and for the preservation of the records. Earlier in the year about 100 letters were sent out to top breeders in the Society, over my signature as National Robin Director, explaining the existence, ambitions, and the mechanics of the Seminar, and soliciting their participation. About 30% of those contacted joined the Seminar and expressed considerable enthusiasm. Another 20% courteously declined to participate for one reason or another, but favored the idea in general and hoped for its success. The remaining 50% have up to this time neglected to reply in any way to the invitation that was sent them. We are now in the process of getting the Seminar moving, and the reports of the participants are coming in for recording and distribution.

Our Divisions for the most part are in the hands of capable and enthusiastic Chairmen who are specialists in the respective fields. Our popular Tall Bearded and Hybridizing robins are operating under excellent supervision. The cooperation we have received from the Sections of the American Iris Society in coordinating our robin activity has been very gratifying and beneficial to all concerned.

The great number of loyal and energetic people that constitute our organizational staff are constantly standing by to serve the older and newer members of our Society, or any other iris enthusiasts as best they can. Whatever success the Program has enjoyed can be attributed to their efforts.

JOHN A. BARTHOLOMEW  
*Chairman*



# Summary 1964 Membership Campaign

CLAUDE C. O'BRIEN, *Chairman*

Region			New Members		Members Oct. 1, 1964
	Members Oct. 1, 1963	Quota	Reported by RVP	Renewed Members	
1	232	58	17	20	243
2	294	68		20	273
3	232	58	24	30	226
4	453	113	73	78	(5)405
5	128	32		10	137
6	534	137	52	45	(2)512
7	337	84	54	55	(7)391
8	107	27		6	110
9	327	82	13	36	(10)309
10	60	15		4	63
11	130	32	31	7	148
12	141	35		21	115
13	311	78		47	282
14	429	102	51	71	(6)392
15	250	62	79	31	(9)313
16	57	14		4	44
17	597	149	77	57	(1)538
18	544	136		53	(3)503
19	161	40		14	157
20	156	39		14	154
21	280	70	3	21	251
22	340	85	21	40	(8)335
23	79	20		7	81
24	322	80	180	38	(4)487
	<u>6501</u>	<u>1616</u>	<u>675</u>	<u>729</u>	<u>6368</u>
Foreign	183	46		5	180
Totals	6684	1662	675	734	6649

Thirteen Regions participated in Campaign reporting 675 new members out of total of 1005. Nine Regions had gains, 15 Regions had losses.

## AWARDS FOR PARTICIPATING IN 1964 MEMBERSHIP CAMPAIGN

Region 1	Mrs. Myrtle K. Churchill, Granite St., RFD 1, Yarmouth, Maine	Family Annual
Region 3	Mrs. Wallace J. White, 401 5th Ave., Juniata, Altoona, Pa. Mrs. Jessie T. Busch, 1506 Robin Road, Coatsville, Pa.	Family Annual Family Annual
Region 6	Mr. Bennett Azer, Mio, Michigan	Single Annual
Region 7	Mr. and Mrs. H. D. Herndon, 3729 Dunn St., Memphis, Tenn.	2 Year Family

	Mr. and Mrs. R. N. Miller, 545 E. Raines St., Memphis, Tenn.	2 Year Family
	Mr. and Mrs. M. A. Kelly, 2306 Arlington, Memphis, Tenn.	1 Year Family
	Mr. and Mrs. E. T. Harrel, 374 Ellsworth, Memphis, Tenn.	1 Year Family
	Mr. and Mrs. A. V. Blaydes, 2532 Arlington, Memphis, Tenn.	1 Year Family
	Mr. and Mrs. H. L. Bartels, 888 N. Highland, Memphis, Tenn.	1 Year Family
Region 8	—Mr. C. H. Protzman, 400 E. VanNorman Ave., Milwaukee 7, Wisc.	Single Annual
	Mr. W. G. Sindt, 1847 N. McKnight Rd., N. St. Paul, Minn.	Single Annual
Region 11	—Mrs. W. R. Walters, 1020 7th St. South, Great Falls, Mont.	3 Year Single
	Magic Valley Iris Society (Mrs. S. W. Smith, Pres., RFD 2, Twin Falls, Idaho)	3 Year Single
Region 14	—Mrs. R. Nelson Nicholson, 5353 E. Morada Lane, Stockton, Cal.	2 Year Family
	Mrs. Marilyn Holloway 673 Acacia Ave., N. Sacramento, Cal.	Single Annual
	Mr. Paul Maxim, 2157 Sonoma St., Redding, Cal.	Single Annual
Region 15	—Mrs. N. R. Carrington, 6283 Buisson St., San Diego, Cal.	Family Annual
	Mrs. Margaret Howard, 12460 Vaughn Rd., Poway, Cal.	4 Year Family
	Mrs. D. Pilley, P. O. Box 425, Valley Center, Cal.	2 Year Family
Region 17	—Mr. David Flesh, Box 491, Jefferson, Texas	Family Annual
	Mrs. R. L. Campbell, 1403 E. Richards, Sherman, Texas	Single Annual
Region 22	—Miss Leah Ralls, Edmond, Oklahoma	2 Year Single
Region 24	—Mrs. Reuben Sawyer, Jonestown, Miss.	2 Year Single
	Mrs. A. K. Primos, Jackson, Miss.	2 Year Family
	Mrs. J. I. Eason, Jackson, Miss.	Single Annual
	Mrs. Clark List and Mrs. George Alkins, Jackson, Miss.	3 Year Family
	Mrs. S. D. Garber, Jackson, Miss.	Single Annual
	Mrs. J. Barranco, Jackson, Miss.	Single Annual
	Mrs. H. P. Tipton, Horn Lake, Miss.	Single Annual
	*Mr. and Mrs. H. E. Benton, ....., Miss.	Single Annual
	Mrs. David Schnieder, Huntsville, Ala.	1 Year Family
	Miss Nan Elizabeth Miles and Mrs. E. P. Miles, Birmingham, Ala.	3 Year Family
	Mr. and Mrs. Joe M. Langdon, Birmingham, Ala.	4 Year Family
	Mrs. H. M. Lollar, Birmingham, Ala.	2 Year Single
	Mrs. Ruth Fletcher, Gadsden, Ala.	1 Year Family
	*Mr. Lee R. Moore, ....., Ala.	1 Year Family
	*No address given.	

## AWARDS FOR REGIONS

To Region 11 with the lowest percentage of dropouts, an award of \$75.00.

To Region 21 with the second lowest percentage of dropouts, an award of \$50.00.

To Region 6 with the third lowest percentage of dropouts, an award of \$25.00.

## Report of the Scientific Committee

Dr. Randolph has reported to me that his iris research during the past year has been concerned chiefly with: "(1) species crosses for the development of different kinds of Median and Tall Bearded cultivars; (2) the production and testing of synthetic pumilas and 40-chromosome types of dwarfs; and (3) in collaboration with Kay Heinig additional studies of chromosome pairing in tetraploid tall and medians were completed."

"From crosses of *I. aphylla* and tetraploid Tall Bearded cultivars selections in advanced generations have been made of tall blooming earlier than any we have had previously. The objective is to extend the blooming period of the tall over a longer season. We now have them in flower with the Intermediates, from which they differ in being taller and more fertile."

"The experimental production of synthetic pumila-type Miniature Dwarfs and 40-chromosome Standard Dwarfs was undertaken several years ago after having obtained evidence from karyotype analysis of chromosome morphology that *I. pumila* originated as an amphidiploid hybrid of *I. pseudopumila* and *I. attica*, and that the chamaeiris dwarf types are amphidiploids of *I. pseudopumila* and *I. illyrica* or similar pallida relatives. From colchicine-treated hybrid seedlings of these species we have selected and propagated chromosome-doubled clones very similar to *I. pumila* and the 40-chromosome dwarfs. These synthetic dwarfs are fertile and cross readily with the naturally occurring species and cultivars they so closely resemble."

Dr. Heinig writes: "We have been interested in determining through examination of diakinesis and metaphase I figures the frequency of bivalent and multivalent association in presumed autotetraploids such as *I. aphylla*, *creatica*, *trojana*, *Kashmiriana*, etc., and comparing these frequencies with those in allotetraploid tall bearded cultivars and some *aphylla* x tall bearded hybrids. The fact that we found multivalent associations in the *aphylla* x tall bearded hybrids has been of interest to hybridizers trying to develop new hybrids combining features of these groups."

"The work this year was a continuation and extension of studies published in the AIS BULLETIN 170, July, 1963, entitled 'Chromosome Pairing in Tetraploid Bearded Irises.' More specifically we were trying: (1) to obtain more data indicating the comparative degree of chromosome pairing in diakinesis and metaphase I; and, (2) to accumulate data on chiasma frequency in these species and hybrid comparable to that obtained by H. Rees and his associates for *Lelium* and other grasses. An attempt was also made to study chromosome pairing in pachytene. It was impossible to identify individual chromosomes at this stage, but paired and unpaired strands were observed."

The spring of 1964 saw the first blooming of a number of interspecific hybrids in the Spuria complex. Some of these new hybrids are quite unlike any known Spuria in plant size, flower color, etc. A few show promise of being worthwhile additions to the perennial border, but it will take time to propagate them and to test their ranges of tolerance to different climates and geographical areas. Many of the hybrids produced considerable obtainable pollen, and hopes were held that some of them would produce at least a limited amount of seed. This was not to be, and evidence at hand would indicate that while very wide crosses can be made within the Spuria group, there is a very strong sterility barrier operating at the  $F_1$  level. This next season we hope to be able to examine meiosis in the more interesting hybrids, as it may shed light on the possible origin of some of the species. It may be that amphidiploidy has played a part in the evolution of the spurias as it has in the bearded irises.

A graduate student of mine, Robert Rutherford, spent the winter studying the karyotype morphology of members of the Evansia section. This work should be finished this coming winter, and the results prepared for publication.

I think that Drs. Randolph and Heinig would join me in saying that the genus *Iris* continues to be of very special interest not only to gardeners but also to biologists who are interested in obtaining a better understanding of plant evolution and the dynamics of species formation.

LEE W. LENZ, *Chairman*



MARGE HAGBERG, DR. RANDOLPH,  
and a pink seedling by Hagberg.

### AIS Membership Rates

Annual .....	\$ 5.00
Triennial .....	12.50
Family .....	6.00
Family Triennial .....	15.00
Sustaining .....	10.00
Research .....	25.00
Life .....	100.00
Family Life .....	125.00

# 1965 Membership Campaign

Elsewhere in this BULLETIN will be found the results of the 1964 membership campaign. Your membership committee appreciates greatly the fine contributions of the many who worked on this campaign, and speaks for an enthusiastic participation in the 1965 campaign by workers in all 24 of our Regions. We hold to the same target, A SUBSTANTIAL NET GAIN OF NEW MEMBERS REALLY INTERESTED IN IRISES AND OUR SOCIETY'S OBJECTIVES.

## CAMPAIGN PLAN

For every six new members secured, the participant will be awarded one single annual membership extension.

For every seven new members secured, the participant will be awarded one family membership extension.

Participants will be credited for the various types of membership to the following schedule:

<i>Type Membership</i>	<i>Will Count As</i>
Single Annual	1 new member
Family Annual	2 new members
Single Triennial	3 new members
Family Triennial	5 new members
Sustaining	5 new members
Research	10 new members
Life Membership	25 new members
Change from Single Annual to Family	1 new member
Change from Single Triennial to Family	2 new members

## RULES

1. Each new membership must be sent to the Regional Vice President or Regional Membership Chairman within one week after it is secured.
2. Each new membership should be reported to the RVP on a separate slip of paper (postcard size) showing name, address of participant securing the new member. This slip should be used by the RVP in reporting to the MEMBERSHIP CAMPAIGN CHAIRMAN.
3. New memberships are to be credited only to the participants securing them.
4. Renewal of membership after lapse of one year will count as a new member.
5. New memberships received by the Secretary in the St. Louis office after September 30, 1965, will not be counted.

## AWARDS FOR REGIONS

Cash awards are offered to the Regions actively participating in our Membership Campaign. Their purpose is to stimulate efforts in retaining the members we have. We accomplish little for our Society if a member drops out after one or two years of membership.

To the Region with the lowest percentage of dropouts an award of \$75.00.

To the Region with the second lowest percentage of dropouts an award of \$50.00.

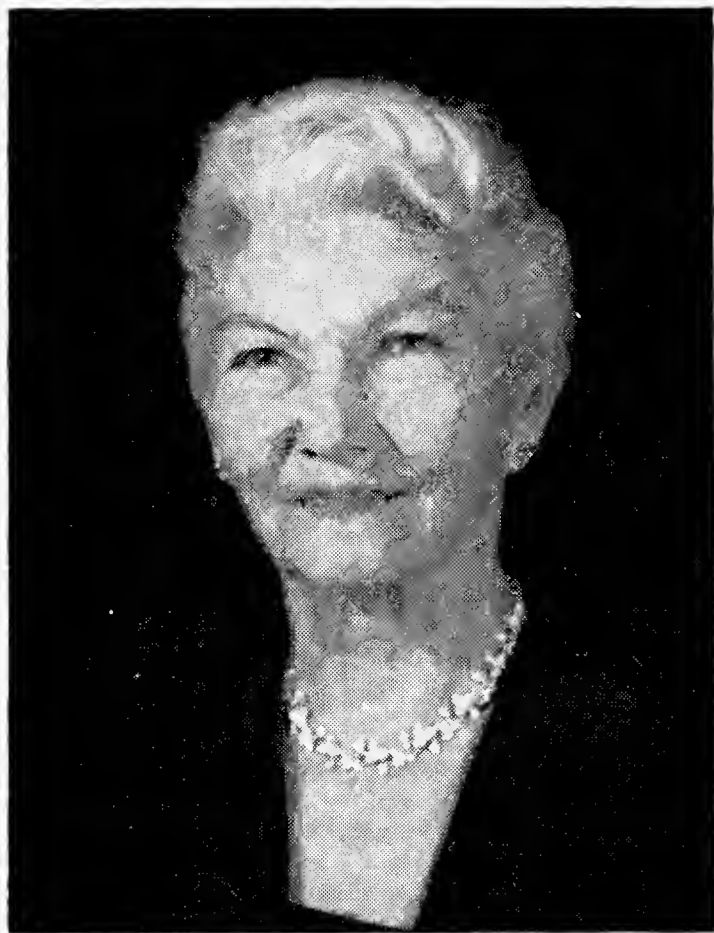
To the Region with the third lowest percentage of dropouts an award of \$25.00.

CLIFFORD W. BENSON

*Chairman, Membership Committee*

## A TRIBUTE TO JUANITA ESTILL

MARY E. REED



Region 15 mourns the loss of Mrs. Juanita Estill, who has served as AIS Area Chairman for the past year. Those who knew her will miss her calm, quiet strength and her unfailing kindness to those around her. I shall miss the peace and quiet of her lovely garden, the viewing of the hundreds of seedlings that will bloom this coming spring, and the companionship of our field trips to gardens from Globe, Arizona, to Wasco, California, and to the Region 15 Test Garden in Baldwin Park, California.

Nita was born February 3, 1896, in Louisiana. She died at her Tucson home on September 25, 1964, of a heart condition, after an illness of six months.

She was active in garden club work, and devoted the last years of her life to growing and hybridizing her favorite

flower, the iris. Her 60-75 seedling now is at the Baldwin Park Test Garden.

A big vote of thanks is due an AIS member, Genevieve Jasper, who cared for her seedlings and garden during her last illness.

### EDWARD OLIVER ESSIG

Edward Oliver Essig, hybridizer of the Dykes Medal winner SIERRA BLUE, died November 23 at the age of 80.

Prof. Essig, for many years chairman of the University of California entomology department at the Berkeley campus, was widely known as an author and authority on insects. Among his many honors was the Award of Merit from the Republic of France. His collection of aphids was considered to be the finest in the world.

A former RVP for Region 14, he first became interested in irises in the early twenties and began a long and distinguished hybridizing program. In 1935 the Dykes Medal was awarded to his SIERRA BLUE. Other varieties which Prof. Essig produced include three A.M. winners—SHINING WATERS, MT. WASHINGTON, and EASTER MORN, and seven H.M. winners—UNCLE REMUS, PALE MOONLIGHT, UKIAH, TENAYA, SONG OF GOLD, SOUSUN, and EASTER GOLD. He received the AIS Hybridizer's Medal in 1944.

The University of California has established a memorial fund in his honor. The fund will finance the purchase of rare entomological books, which will be added to Prof. Essig's personal collection of books, journal reprints, and aphid specimens that he presented to the university in 1962.

## **RICHARD M. MORGAN**

THOMAS E. JACOBY

A dedicated irisarian, Richard W. Morgan, 53, died of suffocation in a fire in his home in Cuba, New York, September 23, 1964.

Mr. Morgan grew only irises that he considered to be of the highest quality. He was a hybridizer and had registered nine varieties, four in 1964. His PELLA (FIRST VIOLET x WHOLE CLOTH) was seen in the Denver Botanic Garden in 1963. The following year PELLA, MILISSKA, and FLOWER OF ATHENS were in some of the convention gardens, and MILISSKA (same parentage as PELLA) received recognition—see "Favorite Guest Irises," July 1964 BULLETIN. PELLA and FLOWER OF ATHENS were introduced in 1964.

## **DEAN A. ELLITHORPE**

Dean A. Ellithorpe, a charter member of the Birmingham Area Iris Society, passed away September 17, 1964. He was Chief Engineer for the Pullman Company. His avocation was the growing of irises. For the last five years he had ably held the position of Staging Chairman for the annual Birmingham Area iris show. He was a loyal and enthusiastic member, and his untimely passing has been a sorrow to all who knew him. A contribution in his memory has been sent to advance the B. Y. Morrison Scholarship Fund at Mississippi State College to study the problems involved in the cultivating of irises in the southern area.

## **AL WALTERS**

AIS, Region 14, and the Median Iris Society have lost a valuable and popular member in the passing last October of Al Walters, Rio Linda, California. Al and his charming wife, Carol, took over the Western Median Iris Test Garden which has been the locale for judges' training seminars and one of the early season show gardens of the Sacramento area. Al was a prominent rosarian and an accredited American Rose Society Judge, and recently was appointed an Exhibition Judge of the American Iris Society. The Walters recently had completed the building of a lovely new home on their Rio Linda property.

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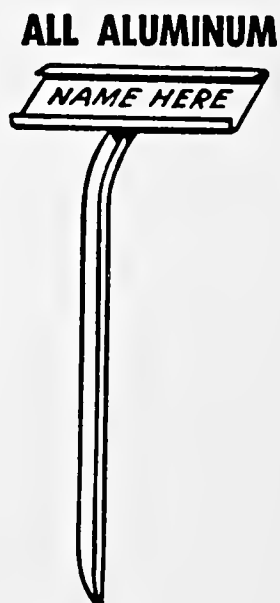
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**MOONBRIGHT E 13"** CLOUD FLUFF x GARNET TREASURE. Clear moonlight yellow standards top luminous falls of intense yellow bordered to match the standards. The icy blue-white beards are in keeping with the cool yellow tones of the flower. HC 1964 .....\$5.00

### *1964 Tall Bearded Introductions*

**MARICOPA E-M 38"** GOLDEN GLEAM x APRIL SHOWERS. Like the Mitchell fancy-variegata, BORN YESTERDAY, but brought up-to-date. Butter-scotch yellow standards, falls overlaid violet. White beards and haft pattern. An unusual variety .....\$20.00

**GRINGO M 42"** (WHITE PEACOCK x CHAR-MAIZE) x LULA MARGUERITE. Smooth olive yellow with a faint flush of lavender; especially attractive under artificial light. Beautiful form. Winner, Clara B. Rees Regional Trophy, 1964 .....\$16.00

*July shipment unless otherwise requested*

## *The Cherry Lane Gardens*

*of GLENN F. CORLEW*

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*Present New for 1965*

### CAROLANDS

\$25.00

Artfully blended melon-like tones of coral, apricot and pink combine in a flower of delightful form and heavy substance. Standards are domed and firmly held above broad falls highlighted by a mandarin red beard. Thirty-two inch stalks hold the blossoms well above the small, attractive foliage. Sets seed readily and has occasional pollen. A personality Iris for the midseason garden. Sdlg. 193-3B (Party Dress x Native Dancer) x Lynn Hall.

### SIGNATURE

\$25.00

The flush of pastel pink radiating from the center of the flower and the subtle touch of cream suggest gleaming and delicately tinted alabaster. A warm white beard, tipped soft orange, completes the pleasing harmonies of this pastel beauty. The firm standards and flaring falls are broad and heavily substantiated and the delightful ruffling adds a distinctive note. Thirty-eight inch stalks bearing 2 or 3 buds per socket produce a succession of blooms from early through midseason. Handsome blue-green foliage. Fertile both ways. Sdlg. 101-2A (Snow Gold: Snow Flurry x Cherie) x Ballerina. Region 14 Seedling Cup '64, EC '64, HC '64.

*Visitors are always welcome to view our planting which includes an up to date selection of named varieties along with our own seedlings. In addition, we are pleased to feature the latest and future introductions of Joseph J. Ghio and Keith Keppel.*



## 1964 INTRODUCTION

**SUNSET BLUES** (Bernice Roe) EM 36" (MELODRAMA x WHOLE CLOTH). Striking, and commanding is this *Melodrama* type flower, which shows much improvement over both parents. Large ruffled standards open pale Wisteria blue, but soon change to white above a pale blue base. The broad ruffled Sea lavender falls measure four inches across. Beard is pale yellow.

The strong stalks are beautifully branched, carrying many buds.

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*Certificate of Commendation 1962*

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**MOUNT EDEN** (Ghio '65) The extremely broad amethyst-blue falls flare gracefully while the closed white standards cap this new lightly ruffled amoena. Perfect placement on well-branched 36 inch stalks. (Twilight Sonata sib x Whole Cloth) ..\$25.00

## 1964 Ghio Introductions

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**MEADOW MIST.** Creamy chartreuse; great green parent .....\$20.00

**NINA'S DELIGHT.** Serrated, ruffled, broad pearl-white; perfect proportion and branching .....\$20.00

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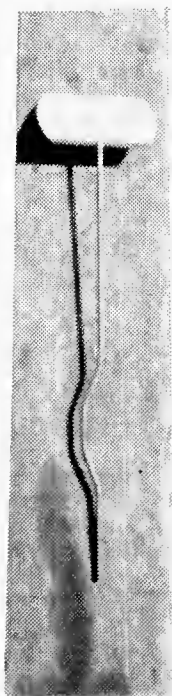
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# HOW TO REGISTER AND INTRODUCE AN IRIS

These instructions apply to the registration of all classes of irises *except bulbous irises*.

1. Write to our Registrar-Recorder, J. Arthur Nelson, 3131 North 58th St., Omaha, Nebr. 68104, for a registration blank, enclosing check for the registration fee payable to the American Iris Society.

2. The registration fee is \$2.00 for each iris. For each transfer of a name from one iris to another the fee is \$4.00.

3. Select a name which has not been previously registered, which can be submitted for approval when you write for the blank. If you will first look in the Check Lists and the annual reports of the Registrar since 1959 to see if the name has been previously registered, you will save time for yourself and for the Registrar. Please also suggest an alternate name. Mr. Nelson will hold an approved name for a short time to enable you to complete the blank and send it back, but *a name is not registered until the registration blank is filed and approved by him*. A registration certificate will then be sent to you.

4. Names should follow the rules established by the International Horticultural Code, and the following names shall not be admissible:

- a. Names of living persons without the written permission of that person.
- b. Names of persons including forms of address. (That is, JANE DOE, not MRS. JANE DOE.)
- c. Names including numerals or symbols.
- d. Names beginning with the articles "a" and "the" or their equivalents in other languages unless required by linguistic custom.
- e. Abbreviations unless required by linguistic custom.
- f. Latin names or latinized forms. However, the AIS custom of using part of the Latin name of a species, namely, the specific epithet as part of the cultivar name when this seems appropriate, shall be continued.
- g. Use of trademarks or copyrighted names unless previously in common use.
- h. A slight variation of a previously registered name.
- i. Names containing more than three words.
- j. Names which exaggerate or may become inaccurate. (e.g., HEAVIEST LACE, TALLEST BLACK.)

5. Previously registered names may be re-used provided (a) the original registration has not been introduced or distributed by name, (b) does not appear by name in later parentage registrations, and (c) the new registrant furnishes the Registrar with a written statement of permission from the previous registrant.

6. Names will not be released as obsolete unless there is proof that no stock now exists and that the iris was never used as a parent.

7. Make parentage records explicit, and include seedling numbers when possible. Color descriptions should be concise, and the designation, conforming to the latest Iris Color Classification of the Committee on Exhibitions, should be included.

8. Classifications of bearded irises will conform to the rules outlined in the January 1958 BULLETIN, pages 9-17. Height and season of bloom are most important. These classifications may be summarized as follows:

- |                                  |  |
|----------------------------------|--|
| 1) Miniature Dwarf Bearded (MDB) | Less than 10"—early blooms.  |
| 2) Standard Dwarf Bearded (SDB)  | 10" to 15".  |
| 3) Intermediates (IB)            | 15" to 18"—hybrids of dwarf x TB—bloom between dwarfs and TBs.           |
| 4) Miniature Tall Bearded (MTB)  | (Table irises.) 15" to 28"—slender, flexuous stalks, with small flowers. |
| 5) Border (BB)                   | 15" to 28"—shorter irises of TB parentage.                               |

6) Tall Bearded (TB) 28" or more.

9. **Introduction.** An introduction is an offering for sale to the public. Catalogs, printed lists, and advertisements in the American Iris Society BULLETIN, are acceptable mediums of introduction. It is a requisite for the awards of the Society above that of High Commendation. *A variety is not eligible for these awards until one year after it has been recorded with Mr. Nelson.* Send him a copy of the catalog, list, or advertisement by first-class mail and he will acknowledge that fact that it has been recorded.

### Bulletin Advertising Rates

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Rates per four issues—no discounts

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# *Questions and Answers*

## *And Letters to the Editor*

In the quest for being of maximum service to our membership and readers, we will publish in each BULLETIN this column.

Please write your questions concisely, with all pertinent data needed for an answer. We will try to get the answer of an expert, or publish the question and invite responses from our readers who have practical and successful answers to the problems.

We will publish a limited number of letters to the editor. These should be short, not to exceed 150 words, and be confined to one topic of general interest to our readers.

QUESTION: I have been unable to photograph any intensity of blue or the blue component in any related color in Japanese irises. In all cases the blue appears as magenta. I have been using Kodachrome II and Kodachrome X. Eastman Kodak Company informs me that my trouble is due to "anomalous reflectance" which has been found in "pale blue morning glories, lavender ageratum and certain varieties of blue irises." The October 1962 and the January 1963 issues of the BULLETIN have blue irises in color on the covers. Are these varieties that do not have "anomalous reflectance," or does someone have a method for photographing the blue in spite of it? Does anyone have any suggestions? W. E. Ouweneel, RR 5, Box 344, Terre Haute, Indiana 47803.

QUESTION: Reblooming enthusiasts (especially me) are encountering some beetle problems. My pet is the Spotted Cucumber, but some members are visited by the Japanese. Perhaps one of our learned colleagues could address himself to ways of meeting these difficulties. I would prefer a repellent and one that does not wilt the flower. It strikes me as too much like the baby-bath story if the bug has to ingest half of the flower to meet his fate. Raymond G. Smith, 1600 East Hillside Drive, Bloomington, Indiana.

SUGGESTION: Just a note for discussion relating to naming an iris. The list is getting so large, and less names to choose from, so we may have a problem. My suggestion is to make provision by the Registrar, based upon a suggested fee which shall be paid once for this permanent registration of a prefix to a name. Then a number of names can be used again, as Lilli-Pink, Long-Pink, Albertos-Pink, or Lilli-Goldengate, Long Goldengate, Albertos-Goldengate. Let's have other suggestions. Albert J. Motsch, 600 S. Pine, Mt. Prospect, Illinois.

In my report on Orville Fay's garden on page 26 of the July 1964 issue, two errors crept in concerning iris parentages. The first was Orville's lovely border iris, 60-45, the red-bearded white which attracted so much attention at the corners of one of the tall bearded beds. Orville writes of this: ". . . its parentage is CASHMERE x NEW ARRIVAL. It always produces four flowers, and in my garden always is 16 inches tall. There are two side branches, each with one bud, and two flowers on the terminal spathe. The leaves are rather short, but very heavy."

The second error was in the parentage of Jim Marsh's PRAIRIE BLAZE, which is from MARY RANDALL by a seedling of Dave Hall's. Jim writes of this, "The seedling I bought from Dave was medium in size with a straight out flare to the falls and the deepest pink I could find in his patch, a sort of flowerpot pink. (You have heard of flowerpot orange!) I had a hunch that deep apricot and deep pink would produce orange . . ."

With all best wishes to the new editor. Bee Warburton, Westboro, Mass.

## IRIS SHOW DATES

Birmingham, Ala., Harrison Park Community Center, April 17-18  
Birmingham, Ala., Municipal Auditorium, April 24-25  
Gadsden, Ala., Municipal Auditorium, April 28-29  
Gadsden, Ala., Municipal Auditorium, May 1  
Guntersville, Ala., Carlisle Park School, April 25 or May 2  
Huntsville, Ala., Huntsville Utility Bldg., May 2  
Tarrant, Ala., Tarrant Recreation Hall, May 1-2  
Modesto, Calif., McHenry Village Mall, April 22-23-24  
San Diego, Calif., Conference Bldg., Balboa Park, May 1-2  
Wichita, Kan., Wichita Heights High School, May 8-9  
Jackson, Miss., Riverside Park Club House, April 23  
Jackson, Miss., Deposit Guaranty Bank Bldg., April 24-25  
Region 6. Kingwood Center, Mansfield, Ohio. May 29-30  
Seattle, Wash., Greenlake Fieldhouse, May 29-30

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## More Thoughts on Rebloomers

RAYMOND G. SMITH

The following, based on nearly fifteen years of hybridizing devoted solely to reblooming irises, represents some of my current thinking on the topic.

*Planting* Before attempting to hybridize, one should test to see whether he can bloom rebloomers successfully. For this test I would suggest the procuring of several sorts which are noted for reblooming faithfully in many parts of the country. These might include, among others, GIBSON GIRL, AUTUMN SNOWDRIFT, POLAR KING, AUTUMN SUNSET, MARTIE EVEREST, and AUTUMN FLAME. If at least some of these grow vigorously for you and appear to be healthy and do rebloom, you may be in business. If, on the other hand, they fail to perform after adequate test, it may be that soil, rainfall, climate, or some other local factor is unsuited, and you will be wasting your time and energy in attempting to grow them until such time as the fault has been discovered and corrected.

In growing and hybridizing reblooming irises one doesn't necessarily follow all of the same procedures as with the regulars. For instance, I don't plant with the toes of the rhizome all in one direction as some books recommend. Ordinarily I plant three rhizomes in a triangular placement with toes out. A hole, about ten inches in diameter and sixteen inches deep, is dug with a shovel. Into the bottom is tossed a shovelful of sewer sludge or compost, or manure, or whatever good well-rotted organic fertilizer happens to be available. If the organic matter is weak, a handful of commercial fertilizer, analysis 5-20-20, is added and mixed. The hole then is filled with dirt to within 5 or 6 inches of the top. The rhizomes are perched on the edge with the roots hanging down and the dirt replaced. The dirt then is well packed and any excess is used to erect a circular wall of dirt around the clump to retain water. Next, a shovelful of pure sand is placed over the rhizomes and in the center declivity and water is added. One should make

certain that the sand has washed in around and under the rhizome so that no air pocket is left underneath as a refuge for harboring insects or other pests. It has been my experience that such air pockets cause more winter loss than any other single factor.

Sorts vary greatly in their abilities to increase; some must be moved every couple of years or they become crowded and fail to rebloom. Some don't like to be moved, even though needing it, and never do well the first season after transplanting. Some perform best and seem to be invigorated by annual lifting and separating.

I soak all incoming rhizomes, even those from reputable dealers, in a solution of two tablespoonsful of chlordane, to a gallon (I use an emulsion concentrate of 45% technical chlordane, 45% petroleum hydro carbons, and 10% inactive ingredients) of water for at least an hour prior to planting, weighting the plants down so that even the tops are fully immersed. I then use the soaking solution for watering the new plant. This precaution should prevent at least the importing of foreign animal life.

*Hybridizing*—I use only freshly opened blossoms for hybridizing, frequently opening the blossom by hand if it is loose. I prefer fresh pollen if available, and always examine the anther to see that the pollen hasn't been smeared and possibly contaminated by an insect. I use scissors-type eyebrow tweezers for holding the anther. All three stigmas are given a slight application of pollen on the theory that such should increase the probability of "takes" and at the same time force one to examine the stigmatic lips for possible contamination. Even if it is necessary to return to the clump at a later date, I try to pollinate a minimum of nine flowers for each cross. I don't worry about reciprocal crossing, but use whichever pod parent produces the most and best seeds.

As a general rule I have found little advantage in pollinating more than three blossoms per stalk. In fact, if only a single pod is set per stalk, it frequently will mature as many seeds as three pods on the same stalk.

Not all flowers pollinated set seeds; only part of the seeds planted will germinate; only part of the seedlings produced will grow; only part of these rebloom; and only a fraction of the reblooming seedlings will be superior to their parents. This is why it is essential to begin with a large number of pollinations per cross. It has been estimated that only one seedling out of a hundred is better than its parents. Thus it is easy to see why the chances of getting anything good are so slim if one grows but a small number of seedlings from a particular cross.

This also explains why hybridizers who have limited their efforts to one or two color classes frequently have achieved more success than others. Obviously the chance of getting anything worth keeping out of a dozen seedlings is almost zero. The chances of getting at least a couple of improvements out of two hundred seedlings are very good.

Most generally I make crosses within the same color range, that is, whites to whites, purples to purples, plicatas to plicatas, and so forth. I usually attempt to select complementary parents. That is, if one is very tall and poorly branched, I select as a mate one that is short and well branched. At least a part of the progeny should inherit the desirable characteristics of each parent, provided enough seedlings are raised.

To get reliable rebloomers one must select vigorous parents. Although it



is true that rebloomers do exist which lack vigor, these sorts either bloom themselves out, or their energy is reduced to the point where no flowers are produced for one or more bloom periods while the plant is rebuilding its strength. Of course, a person just starting to hybridize doesn't have much choice in the selection of parents. If he owns just two rebloomers, he must cross them, whatever their colors. But as soon as he acquires a few reblooming seedlings of his own, he can begin to exercise judgment in matching traits and colors. Then improvements come much more rapidly.

As soon as I pollinate a bloom I hang a tag on it just below the ovary, the enlarged base of the flower. If there are other buds in the socket, I carefully snap these out in order that no new blooms will come, be fertilized, and make it impossible to determine to which pod the tag belongs. It seems somewhat ruthless to destroy bloom in this fashion, but that is one of the prices the hybridizer has to pay.

In seven or eight weeks, the pod will turn white, then brown, and the end will shrivel and start to split open. This is the time to collect the pod and its tag, write the name of the pod parent above that of the pollen parent if it hasn't already been done, and store the pods from the same cross together. Usually I open the pods and plant the seeds as they are harvested. But if this is impossible, I store all pods of the same cross together with their identifying tag in a small brown paper sack.

Although in years past I have tried many methods, I now plant the seeds in greenhouse seed flats. These frequently are obtained from the local greenhouse at about 35¢ each, but in the past I have ordered some of virgin cypress (which should last forever) from Yoho and Hooker, 523 Williamson Ave., Youngstown, Ohio. By the time the purchase price, shipping charges, and galvanized shingle nails are taken care of, one has about \$1 in each such flat. Each flat is 20" x 15" x 3" inside measure. The bottom slats are not tight and they are liberally drilled with  $\frac{1}{4}$ " drain holes. Into the flats are placed bottomless metal cups 2 and  $\frac{7}{8}$ " square. These either may be ordered made up from the tinsmith, or the metal can be cut and bent to shape during the long winter months. Into the cups I shovel potting soil until each cup is level full. Then I tamp each with a square block of wood until the soil is about  $1\frac{1}{2}$ " from the top. Into the center of each cup is now placed 20 full sized iris seeds, bunched together. Then clean sand is added to about  $\frac{1}{2}$  inch from the top. Each cross is numbered in a notebook as planted and this number also is written on a 4" x  $\frac{5}{8}$ " plain pot label. I write on both sides of the pot label to guard against the number weathering off. A label is inserted in each cup and a record of the number of cups per cross is made in the notebook. One cannot be too careful in keeping records of cross numbers and their parentages.

The flats are stacked inside in the basement and receive no further attention until after the first hard freeze of the year, usually about 5 to 10 November, at which time they are placed on the south side of the house up against a cement block wall. Each year the ground on which they are positioned receives a soaking of chlordane to discourage mealy bugs, centipedes, and slugs from taking up housekeeping under the flats. Immediately upon going outside, the flats receive a good soaking, and from this time until the seedlings are transplanted the soil is never permitted to become completely dry. I frequently water in winter with snow on the ground, if

the earth isn't frozen. No protective covering is given these flats at any time. The protruding pot labels make the flats unattractive to cats, and to date I have been successful in intimidating visiting children.

Between 15 March and 15 April the seedlings pop up. No fertilizer of any kind is ever applied, although in the past I have tried everything from powdered milk to aureomycin. Since the cups are bottomless it is virtually impossible to overwater. I customarily attempt to grow between three and four thousand seedlings annually and attempt to get them all transplanted before the spring bloom comes on and the new hybridizing season begins.

*Six Months Bloom*—About one-fourth of the seedlings either bloom or produce buds before the fifth to tenth of November, when the first killing freeze is expected in this climate. This early bloom is encouraged because if the seedling obviously is superior, pollen can be saved and stored in the freezer for spring use. Also, as a general rule, those seedlings that bud the first fall will prove reliable rebloomers. I consider any iris to be proved as a rebloomer if it blooms for four consecutive spring and fall bloom periods. Seedlings which bloom the first fall ordinarily rebloom much earlier the following fall, after becoming established plants. Although I mark all such seedlings and save pollen from the superior ones, I don't discard any (unless they are completely impossible) at this time, as their second or spring bloom frequently is of much better quality than their first attempt.

There are several "secrets" to getting bloom the first fall. Of these, none is more important than that of selecting two vigorous reblooming parents. Inbreeding, that is, the crossing either of siblings or of seedlings back to immediate parents, I have found to be universally disappointing. I suspect this to be due to the fact that many rebloomers are of rather poor quality to begin with, and inbreeding doubles the undesirable genes. At any rate, not only have the flowers been disappointing, but as a rule the plants are smaller, grow more poorly, and have less vigor than their parents. Of course, progeny of poor quality also can result from crosses of apparently unrelated sorts. On the other hand, linebreeding, or the crossing of slightly related lines generally seems to be rewarding. Hybrid vigor is maintained, bloom quality increased, and rebloom reliability frequently is higher when rebloomers from the same distant "bloodlines" are crossed. Unless I am working for a certain recessive trait with only limited material to work with, such as a red-bearded white rebloomer, I don't like to get closer than crossing a seedling back to its grandparent. This amounts to recombining one-fourth of similar genetic inheritance.

I am referring here, of course, to the 48 chromosome tall-bearded iris of the sorts named at the beginning of this article. Although I collected many of the old diploids and intercrossed them many times, I have yet to produce a diploid rebloomer. Results with the 40 chromosome dwarfs have been equally disappointing but for another set of reasons. These latter reduced to two colors, purples and yellows, and increased at a rate which made them undesirable garden plants. Of course the old "true Intermediates" are sterile, 44 chromosome sorts, and completely unfit for hybridizing purposes.

A second secret of getting bloom in six months rests with the preparation of the seedbed. I rotate seedbeds and ordinarily spend a couple of years eradicating old seedlings and revitalizing the soil before lining out a new crop. At the present time my bed next spring is in weed stubble. It grew

the seedlings from 1962. These were permitted to bloom three times—fall, spring, and fall. Then the ground was disked, plowed, spread with an inch of sewer sludge, re-disked, covered with a mixture of compost and horse manure, planted to oats, mowed frequently to prevent the oats from heading out and turning brown, and finally permitted to grow up in weeds and grass. The weeds were cut and raked before they dropped their seeds, and the ground will now remain in stubble until such time in the spring when it is dry enough for plowing, usually February or March.

The third secret is to transplant seedlings early so that they can be well started before the heat and dry weather of midsummer stunts their growth. I try to do all of the transplanting before the spring bloom season sets in in earnest and hybridizing must begin. Ordinarily this means prior to May 15. At transplanting time the little ones are about six inches tall with about 12-18 growing in each cup. I first clip the tops en masse to about half their original length to balance the loss of roots in separation. They then are grasped with one hand and hosed with a fairly stiff stream until the roots are straight and free of soil. They then are lined out in the well prepared seed-bed, in straight rows alongside a marking line staked at both ends.

The seedlings are planted about ten inches apart in rows as long as the field will accommodate. Time allotted to careful spacing and string-straight rows will repay itself many times over in convenience of cultivation. I set seedlings with a small hand trowel, shoving it about 6 inches into the ground and spreading the soil slightly, dropping the roots into the slit, and letting the dirt fall back over them as the trowel is extracted. The soil then is packed tightly around the base of the tiny rhizome, and the seedling well-watered. Except for periodical cultivation and hoeing, no further attention is given them during the first summer.

*Cultivation*—I have found irises do much better if loose cultivation is practiced at all times. The clay constituting my fields requires working after each rain or it packs and retards growth. On established plants a 5-20-20 commercial fertilizer is sprinkled between rows just prior to cultivating a couple of times each summer. Horticultural experts explain that unless the fertilizer is mixed in the soil, the sun will burn up the nitrogen and the plants will not get any.

I plant the rows 32 inches apart, which is adequate for use of the Gravelly push-type cultivator the first summer, and, after the clumps have enlarged, the rototiller is just right. Hand hoeing between plants can be kept to a minimum if the hoeing is done while the weeds are tiny and after rains when the ground is soft.

*Problems*—The most persistent problem with rebloomers, and the one that has been plaguing growers for years, is the development of better quality sorts. They are a difficult class to improve because of the sparse numbers of reblooming seedlings which have resulted from past crosses, even crosses of two reliable reblooming parents. Standards are easily defined. The outstanding rebloomer must have all of the desirable characteristics of the regulars, plus a strong, vigorous, disease resistant plant capable of regeneration at twice the normal rate. Much progress is now being made, however, and subscribers to the *Reblooming Iris Reporter* are given reliable information each year about the improved rebloomers coming on the market.

There are two well-known avenues open to improvements in hybridizing.

One is to select the best named varieties obtainable and intercross them, saving the best progeny of each cross. Over the years this should result in slow but perceptible improvement in such factors as width, clarity of color, diminution of haft markings and the like.

Another and sometimes more rapid method is possible. This is the selection as parents of named varieties or seedlings that complement each other. The two methods might be described as follows. Assume that one wants plants 36 inches tall, but has only 26 inch parents that are satisfactory in all respects. He can follow the first method by crossing these good parents and gradually increasing height by selecting the tallest progeny each time. Over the years he gradually can increase the seedlings to the desired height.

But suppose the hybridizer also has available a very tall, say 48 inch, poorly branched seedling. By crossing the very tall one with a well-branched short parent, he probably will get some seedlings which are half way between in height. In other words, he can realize his objective in a single generation. This is what I meant by selecting parents which complement each other. It is for this reason that I think twice before tossing out an "odd-ball" iris. It might be just the ticket to cross with something which is "odd" in some other respect.

The advice, "Cross only the best with the best," is all well and good. I have given it a number of times. But one must remember to ask, "Best for what?" The iris that is best for one cross is not best for all crosses. In hybridizing, "best" must be evaluated in terms of the genetic combination resulting from the cross. Thus the *best* iris might well be a seedling which would not be registerable by any stretch of the imagination.

Growers of rebloomers have all of the problems that any other iris growers have. Generally the solutions are the same. This is why the BULLETIN of the American Iris Society is such a valuable periodical. Persons from fifty states and twenty-five foreign countries exchange ideas and remedies through its pages.

But of all of the problems, I would classify soft rot as the foremost, for rebloomers have bloomstalks in all stages of development when the first hard freeze of autumn hits. Any plant unable to wall off the freeze-injured tissue and heal itself for spring growth and bloom is not a satisfactory rebloomer and, in the more severe climates, must be discarded.

Likewise with seedlings. Some seedlings growing in heavily fertilized soil, (and rebloomers must be able to cope with large quantities of nutrients) will rot. In this event they should be discarded ruthlessly. A hard rule, but it pays off in the long run. Like all general rules, however, it occasionally must be broken. For example, if there were no reblooming blacks available as parents except for some which were winter tender, it might be necessary to use these soft plants and to save whatever progeny were hardiest in order to capture the desired color.

As I previously have stated on several occasions, the problems involved in developing high quality rebloomers are many, but they are all solvable and are being solved. As I write this on the fifteenth of November, 1964 I can see fifty clumps in bloom in my south field. And these have come on after a record breaking low of 23° recorded by the local weather bureau on 7 October.

As the quality of seedlings has improved I gradually have discarded the

older named varieties and now have breeding quality seedlings in most color classes.

I am firmly convinced that the reblooming iris is the iris of the future, and, although the hard facts of sheer numbers make it improbable that the finest rebloomers will ever be able to match the finest regulars in quality, nonetheless the rebloomer will become the favorite of the home garden. I usually have bloom every month from May to November, with the exception of August. And the plants stay greener and look better than do those of the regulars. This constitutes a simple answer to the indictment, "I don't like iris because they bloom a short time in the spring and then look ugly the remainder of the year."

Certain flowers now will tolerate temperatures down to 28° and this trait is sure to be improved. Improvements are bound to come and I am happy to be associated with a group of irisarians devoted to the cause of the reblooming iris.

*Raymond G. Smith holds the rank of professor in speech and theatre at the University of Indiana, and is in charge of the quantitative and experimental work in public address.*

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BULLETIN

*of the*

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NUMBER 177

APRIL 1965

PRINTED IN 2 SECTIONS

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# THE BULLETIN *of the* AMERICAN IRIS SOCIETY

NO. 177

APRIL 1965

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TO SECRETARIES OF AFFILIATES: Please report promptly the names and addresses of new presidents to the Editor as well as to Mr. Fischer.

## *From the President's Desk*

OCCASIONALLY problems arise which one would much prefer to ignore, but unfortunately this method does not seem to solve the problem.

The problem referred to is the "guesting" of irises. In the past it has been the privilege of the hybridizer and the commercial grower to select the gardeners with whom they wished to guest their irises, which was proper. Now we seem to be faced with a group who want to deny the commercial grower his rights, and instead insist that he guest his irises with them or else lose their business. I wonder how many of this group would demand that their appliance dealer lend them appliances to be used as they wished? The principle is the same.

Irises are the stock-in-trade of the commercial grower, just as appliances are the stock-in-trade of an appliance dealer, and the commercial grower has a heavy outlay in his investment. If he is expected to furnish them free, then how is he to make a living? If the grower cannot make a profit, he will have to go out of business, and then where will all of us be when it comes to securing new irises? I realize that in this day of the "Welfare State" we have a lot of people who expect everything to be furnished to them free, but the commercial grower is not the one to do the furnishing. If you feel that you should have free irises, I would suggest that you take the matter up with your Senator. Maybe he can sell the government on the idea of setting up a program to furnish free irises to those who feel they should have them.

Talking about "guesting" irises, I wonder how many of those who solicit guest irises are familiar with the ethics of guesting irises? In the first place, guesting an iris does not give the gardener the right to retain a rhizome when the stock is returned to the hybridizer or commercial grower. The iris and all increase remain the property of the hybridizer or commercial grower and must be returned when the time comes. Most of the time the hybridizer or commercial grower is glad to authorize the guest gardener the right to keep a rhizome when returning stock, but this is strictly the privilege of the hybridizer.

Unintroduced irises present a different problem, for a hybridizer would be foolish to permit anyone to retain rhizomes of such irises and to build up a stock before they were introduced. This has happened several times in the past, and the hybridizer has lost the fruits of his labor. Several of the hybridizers handle the matter by agreeing to supply the guest gardeners with a rhizome the year the iris is introduced, but again this is strictly a privilege of the hybridizer and not a right of the guest gardener.

Guest irises are not to be used in hybridizing unless the guest gardener has the written permission of the hybridizer. This applies not only to using an iris as a pod parent, but also to using the pollen; and it also is the obligation of the guest gardener to see to it that the pollen is not used by others. This obligation has been disregarded numerous times in the past, and as a result several of our leading hybridizers hesitate to send out their best seedlings any more. Can you blame them?

Guest irises require a little *special* care for they are not your property. You may neglect your own irises as much as you wish, but when you accept a guest iris, you agree to give it the best of care. Even with the best of care you will occasionally lose a guest iris, but as long as it was given the best of care, you have fulfilled your obligation as the guest gardener.

I have received several very nice letters in regard to the Research Fund and most of them wanted to know what the next step is. Anyone who is willing to contribute to the Research Fund should make out a check to the American Iris Society Fund and mail it to Cliff Benson in the St. Louis office. He will see to it that your check is deposited in the right fund. One lady wrote that she considered \$1.00 very cheap insurance if it would help keep her from losing \$25.00 irises, and no one could agree with her any more heartily than I do.

Spring is just around the corner and it will not be long now before all of us in Memphis will be out cleaning up and sprucing up for the convention this spring. Plans are all set, and with just a little assist from the weather, we hope to greet all of you with plenty of bloom.

—ROBERT S. CARNEY

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# BREEDING IRISES

ORVILLE W. FAY

TO DISCUSS methods of plant breeding is meaningless without a great fund of background material in genetics and cytogenetics. At any rate, the understanding of Mendel's fundamental Laws of Heredity can be considered as an absolute minimum requirement. Many (perhaps most) backyard "hybridizers" of garden plants are severely handicapped by failing to keep accurate records relating both to parentages and to the patterns of inheritance characteristic of the plant in question—especially as related to the behavior of dominant and recessive genes. Without such information it is next to impossible to chart out a breeding program designed to accomplish something worthwhile and original with any appreciable assurance of success.

Many people, even some who have read books on genetics, seem to have trouble grasping the full meaning of the terms, "recessive" and "dominant," as used in genetics. The original paper—"*Experiments in Plant Hybridization*," by Gregor Mendel; and read by him at the meetings of the 8th of February and the 8th of March, 1865, best defines these two terms. This great paper, written in very clear and simple terms, occupies only 30 pages of average textbook size, and certainly should be read and studied for years by all who wish to practice plant breeding. By this, I mean all those who wish to do original work in extending the color range, purifying colors, producing new colors, greater size in beards, better plants, increased vigor, curing diseases genetically, etc. Those who wish to raise seedlings for fun, on a grab-bag basis, are not included. I quote under ( $F_1$ ) *The Forms of the Hybrids*, Mendel's definitions of dominant and regressive genes (characters): "Henceforth in this paper those characters which are transmitted entire, or almost unchanged in the hybridization, and therefore in themselves constitute the character of the hybrid, are termed the dominant, and those which become latent in the process, recessive. The expression 'recessive' has been chosen because the characters thereby designated withdraw or entirely disappear in the hybrid, but nevertheless reappear unchanged in their progeny, as will be demonstrated later on. It was furthermore shown by the whole of the experiments that it is perfectly immaterial whether the dominant character belongs to the seed-bearer or to the pollen parent; the form of the hybrid remains identical in both cases." Under ( $F_2$ ) *The Generation (Bred) From the Hybrids*, Mendel continues—"In this generation there reappears together with the dominant characters, also the recessive ones with the peculiarities fully developed, and this occurs in the definitely expressed average proportion of three to one, so that among each four plants of this generation three display the dominant character and one the recessive. This relates without exception to all the characters which were investigated in the experiments." To quote further from Mendel's paper, under ( $F_3$ ) *The Second Generation (Bred) From the Hybrids*, he states—"Those forms which in the first generation ( $F_2$ ) exhibit the recessive character do not further vary in the second generation ( $F_3$ ) as

regards the character; they remain constant in their offspring." At the time that Mendel wrote his paper it was not yet realized that the chromosomes of the nucleus were the carriers of the hereditary determiners, now called genes. Mendel accordingly would naturally have experienced difficulty in distinguishing between the units of heredity (genes) and their actions (or the traits that they underlie).

Many breeders become confused with the term "recessive." After the recessive character has reappeared in the second generation, and sib crosses have been made between the seedlings showing the recessive character, all of the seedlings in the following generations will breed true with respect to that recessive character. Pink color and tangerine beard are an example in iris breeding. You can now produce any number of pink irises with tangerine beards; and no other color, unless another mutation takes place. Many breeders are now led to believe that the recessive gene for pink color has become a dominant gene. Some have tried to "prove" this by quoting the dictionary definition of "dominant" and "recessive." The recessive gene still remains recessive, and will completely disappear as soon as an out-cross is made to a plant which does not carry the recessive gene. It is now carried by the plant as a hidden recessive, and may be so carried by this plant and all of its progeny for very long periods of time. Once a cross is made, however, either intentionally or accidentally, to another plant which also carries this same recessive gene (hidden or expressed), expression again becomes possible among the immediate offspring.

In so far as Mendel experimented with pure lines of diploid garden peas, the above-mentioned 3:1 ratio (or 1:1 ratio, in the case of a backcross of the  $F_1$  hybrid to the recessive type) are not applicable to tetraploid irises (nor to tetraploid hemerocallis). As a rule, in these, the ideal (expected) ratios in the case of pure dominance (and recessiveness) are rather 35:1 and 5:1. Consequently, to recover a hidden recessive gene in a tetraploid iris or daylily, a great number of plants must be grown in the  $F_2$  generation. From a hundred  $F_2$  hybrids, sib-crossed, you can expect two or possibly three seedlings which display the recessive trait. It is therefore best to grow about 200 seedlings in the  $F_2$  generation. This method of breeding was used to produce pink iris with dominant blue-green foliage which came from *I. pallida* through Snow Flurry, which also contributed hybrid vigor. Dominant whites with recessive red beards, and dominant blue-green foliage were likewise produced in this way. After the first dominant white with a recessive red beard had been produced, this pattern in color could be easily reproduced by others simply by taking pollen from a dominant white with a recessive red beard and crossing it to a recessive pink with a recessive red beard. After the out-crosses are made, the trip out extends over four unexciting years, with very little evidence of what you are trying to do appearing among the seedlings. At the end of four years, you gather in the four or five recessive seedlings which you had anticipated, and start back, either by sib-crossing them, or crossing them back to the strongest pure-line tangerine-bearded pink available. The trip back usually takes from four to six years before you have anything good enough to introduce. It is reward enough for the effort though when the end result is a dominant white with a recessive red beard; or a nice pink flower on a very good stem, and possessing the finest dark green leaves in the garden. Intelligently designed long-term breeding pro-



grams thus ordinarily involve *both* out-breeding (crosses between relatively unrelated individuals) *and* inbreeding (crosses between closely related individuals).

A special bonus from this method of breeding is my family of blue-orchid iris with recessive red beards. The colors are a blend of lavender from *pallida*, white from Snow Flurry, and pink from the pinks.

If you had started breeding irises with Snow Flurry as your #1 parent on the day it was introduced, twenty-five years ago, you could still to this day be using it and getting wonderful results just by out-crossing it with pollen from any tetraploid tall bearded iris which struck your fancy, regardless of color. Snow Flurry came from as wide a cross as could possibly be made. For more complete details on the breeding of Snow Flurry, I refer to the AIS publication *Garden Irises*, page 389. Snow Flurry has contributed the following good qualities to garden irises: ruffles, wide-petaled full flowers with clean, wide hafts; and three buds in each spathe. Snow Flurry seedlings are likewise relatively free from (or tolerant to) virus. Snow Flurry has produced some seedlings which are winter tender. If Snow Flurry is used in a climate as severe as the Chicago climate, where winter temperatures frequently fall below -20° F., the tender offspring are selected against or destroyed naturally during the first or second winter.

I have spent much of my time as a plant breeder during the past twelve years, in collaboration with Dr. Robert A. Griesbach, Ph.D. in Botany. Together we have produced hundreds of colchicine-induced tetraploid *hemerocallis* in a nearly full range of daylily colors. During the summer of 1964 we flowered 4,000 tetraploid *hemerocallis* seedlings. They were as spectacular as we had anticipated they would be.

If I could ask for two more tools to help in the breeding of iris and hems, I would ask for two good recessive whites—one an iris, and the other a daylily. They would be albino mutations.

*The accomplishments of Orville Fay are too great and too well known to need comment in an iris publication. We indeed are grateful for this contribution from a master.*

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## GET A LIFT FROM IRIS

ZEFFA JONES

Take a look at the iris.  
They make you feel so gay.  
There's a new supply to cheer you,  
Blooming every day.  
Some like the snow-capped mountains,  
Some like the heavenly hue,  
Some like the beautiful rainbow,  
All covered with glistening dew.

They start to open in the morning,  
Bright like the golden sun.  
They make the day more pleasant  
And fill it with joy and fun.  
They fill your day with surprises,  
With beauty and content—  
A day spent with the iris  
Is a day happily spent.

# *How Can We Find the Best?*

HARRY RANDALL, C.B.E.

I have asked myself this monosyllabic question many times in recent months because whenever I return from a visit to gardens in U.S.A. I am asked by friends and acquaintances to recommend outstanding irises which they can obtain and grow successfully. The desire to have the best and also to win trophies at flower shows is a human weakness which I am delighted to find on both sides of the Atlantic. I try to satisfy the desire by naming the cultivars which, in my honest opinion, will be in the "top twenty" (or the top fifty) over the next few years. But I always feel in a slight difficulty for two reasons.

First, my taste in irises might not coincide with the tastes of my friends. I prefer flowers with broad, ruffled petals: I like both soft blends and striking colours: I have a mild scorn for irises with poor branching and only one bud in each spathe: I actively dislike heavy striation and long "horns": and I unashamedly like plicatas and an occasional touch of lacing. To those who like narrow hafts and tailored flowers I am thus, in some ways, a heretic whose opinions should not be noised abroad; but I derive comfort from the fact that my heresy is shared by many of my American friends.

Secondly, I am never certain whether irises which grow well in America are going to do equally well in Britain. I could name two well known irises which grow excellently in U.S.A. and have both won the highest award in Florence but which fail miserably in England. I could also name some English irises which look woe-begone in America. Some American cultivars are raised in places with a generally mild climate: others come from States which have 60 degrees of frost in winter and go up to 100 degrees Fahr. in summer. We cannot touch these figures in Britain. I therefore tell my friends that until they see new irises growing well in their own country they cannot be certain about the results they can reasonably expect. Fortunately we have several progressive nurseries in England which import new irises and test them under normal conditions so that gardeners over here can have a wide and varied choice.

It amuses me from time to time to see the efforts of the less progressive nurseries to stem the flow of new irises from other parts of the world. About 1948 I was asked by two nurserymen not to import any new cultivars for a period of five years so that they could dispose of their large stocks of the older ones. Needless to say, I refused; and I pointed out that our Iris Society existed for the benefit of the general run of gardeners who wanted to know what was going on in the iris world, and who wanted to grow the best irises, regardless of their country of origin. On another occasion, at one of our Iris Shows in London, there was an exhibit from a small nursery which had nothing but cultivars raised over 20 years ago, and the man in charge was declaring strongly that "these new American things" would not grow in England. I elicited the information that he had never grown any of the things of which he complained, and I pointed to the superb exhibits

in other parts of the Hall which clearly showed that, in the main, the new Americans grow splendidly over here. From experience I can state that many of these irises grow better in England than they do in their homeland, and I shall always remember Fitz Randolph's remarks when he saw my monumental clump of WEDDING BOUQUET some years ago. He was greatly impressed—and my friends, Fitz is not addicted to outbursts of idle flattery!

For people in other countries who cannot visit America in iris time perhaps the most valuable of guides is the batch of opinion polls published each year in the October issue of the A.I.S. Bulletin. The average gardener is catered for in the "Popularity Poll" which names the 100 most popular irises in U.S.A. Some of these are old ones, and at times I am surprised at the inclusion of this or that variety; but to obtain places in the list they must all be reliable growers in different climates, and that is much to their credit.

Of far greater interest to many of us in England are the lists of Awards of Merit and Honorable Mentions, and also the "Judges' Choice" of the recently introduced irises. Here we see "the shape of things to come", the probable top-ranking cultivars for the next five or ten years; and I know that growers in other countries pay equal regard to these lists. I was disturbed to hear in May last that in at least one Region of the A.I.S. the judges tended to get together beforehand and then all vote for awards to exactly the same irises. If this tendency were to grow it would at once destroy the worldwide interest and confidence which you have aroused; and I hope that judges will always ignore Regional and commercial interests and give their own unbiassed opinions.

At one time I hoped for some guidance from the ballot for the President's Cup at each Convention of the A.I.S., but nowadays this leaves me quite cold. The late Dr. Franklin Cook was a friend of mine, and I think I know what he had in mind when he presented the Cup. In recent years the award has lost its importance and usefulness because it has invariably been made to an iris raised in the area of the Convention, and only too often it is regarded as a kind of friendly compliment to the raiser. The awards are, of course, gratifying to the recipients, but they have ceased to have any meaning to the outside world. This was not the hope or intention of Franklin Cook, and I am not alone in wondering if some more enlightened policy could be adopted.

Useful guides to would-be purchasers are undoubtedly the catalogues issued by the various nurseries. The coloured pictures often give an excellent idea of the flowers, but the written descriptions sometimes tend either to exaggerate virtues or gloss over obvious defects. As W. S. Gilbert wrote in one of his comic operas,

"Things are seldom what they seem.  
Skim milk masquerades as cream."

As a notable exception to this tendency I would mention and commend Steve Moldovan who, in introducing that very colourful iris, PRAIRIE BLAZE, admitted that it had poor branching and only five buds per stem. I wish that all nurseries on both sides of the Atlantic would be equally as frank in their descriptions.

In England people are encouraged to pay great regard to the so-called iris trials conducted in certain European cities, and the award of a medal in one of these trials is hailed as a major achievement. I have nothing but praise for well grown displays of irises in public gardens. Those at Presby

in New Jersey and Kew in Surrey are superb, and they are no less effective because they are managed with a complete absence of ballyhoo. Over a long period of years these gardens have never distributed medals and trophies, and yet their international status is very high. I freely admit that the iris garden at Florence is beautifully situated and is run with enthusiasm, but it has suffered from the uncritical adulation of its friends who write as if a Florentine award is synonymous with world eminence. In 1964 three out of the first five places in the trial went to irises raised in Britain, and several people are now writing as if we lead the world. One nurseryman, writing in a gardening paper, says that "as many fine new irises are now being raised in England as in the United States." Having, in 1964, seen the finest irises on both sides of the Atlantic I regard this statement as worthy of the Mad Hatter's tea party in "Alice in Wonderland".

I have asked several people who were at Florence in 1964 if they could let me have a list of the irises being grown there, but if such a list exists it is not in circulation. The only information given me is (a) that only about three dozen cultivars were in the 1964 trial, (b) that the leading American hybridizers were not represented there, and (c) that many of the things on trial were inferior ones which had won no awards in their countries of origin. With a lack of real competition it is easy for an indifferent iris to win a high award. The time has surely come when iris growers, who are asked to support the various trials in Europe, should be told exactly how many and which irises are being grown and judged. Without this vital information experienced growers and hybridizers can hardly be blamed if they fail to take the trials seriously.

The method of judging is another important matter. Are the judges really in touch with modern trends in the iris world? Do they know the special points to look for—branching, substance, number of flowers per stem, and so on? Not long ago I was invited to judge *hemerocallis* at a European trial, but I found that the work was all to be done on one Saturday morning and that it would cost me about \$150 to make the trip. Day lilies cannot be judged properly on one morning's performance during the season, and so I declined the invitation and saved myself a small fortune. I appreciate the difficulty in assembling, at the same time, a number of experienced and impartial judges; but I also appreciate the undesirability of paying much attention to awards which could conceivably be unmerited.

Many of us will be interested to hear how the new system of test gardens works in America. Will the plants be given the necessary care and attention? Will the gardens really have the best cultivars being raised? Will the judging be based on the unbiased views of people from all over the country? These and other questions arise in our minds and we keenly await results.

The A.I.S. is the oldest and largest Iris Society in the world, and I know that the Directors take their work very seriously at a considerable sacrifice of time and money. They have instituted a system of training judges which I regard as excellent. On my return from America last year I proposed that we in Britain should consider the introduction of a similar procedure, but my proposal, like some of the Biblical grains of wheat, fell upon stony ground, and yet several decisions at recent Shows in London have caused both surprise and alarm. It might be considered indiscreet to discuss matters thus frankly and openly; but I am writing in the A.I.S. Bulletin for people who

like frankness and honesty of expression. It can probably be said that neither in U.S.A. nor Britain has the perfect system of judging yet been devised; but I am satisfied that you are actively trying to achieve the ideal. I wish you the best of luck in your efforts which, when successful, will benefit iris growers everywhere.

*Harry Randall is a past president of the British Iris Society, and there probably are few people who see irises over a wider range of geography than he does.*

## ***Paul Howard Cook . . . and Median Irises***

BEE WARBURTON

A few years ago, when the Median Iris Society was attempting to set up a program for an effective study of the breeding potential of *Iris aphylla*, Paul Cook made the following reply to an invitation to direct this study:

“I hate like everything to write you that I don’t see how I can possibly undertake the direction of the aphylla research for the MIS . . . I am sure, as I have said before, that aphylla will be found to carry genes that will have a profound influence on the development of the median irises, and of course, of all the other bearded irises.

“The trouble is that I am already working seriously on a number of breeding projects that I want desperately to complete before time runs clear out on me. I know they are just individual projects but they have been under development for a long time and I wouldn’t want to let up on any of them now. Sure, I do take up some new schemes at times. I have a small project in the tables, or rather in the 24 chromosome irises, dwarf and tall, and I have made some aphylla crosses, and others. But these are not the big, important things that I have been working on so long—the darks, the amoenas, the yellow/blues, the reds.

The darks, or “blacks”—a term I hate—still need some finishing touches, some smoothing up—not necessarily of hafts—before I am going to think I have done my best with them. The blue amoenas are fixed as to type now, but this “new blue” as Mrs. Walther called it, is going to require a lot of work before it reaches the true blue everybody wants. In 1958 Earl Roberts hung a big paper label on a blue amoena that had falls of real blue, and I am confident this same very blue color can be obtained in other amoenas in various tints and shades, AND in blue selfs likewise. You wouldn’t believe me if I told you how much thought I have given this scheme since the blooming season of 1958. And it will require more thought, and a lot of time to work everything out. But real blue color in irises—in the tall I mean—would be worth any amount of thought and work.

“The yellow/blue bicolors, a scheme I have carried along in my mind and have worked on since I first saw the old G&K LORELEI is now yielding to the action of genes out of the PROGENITOR line of amoenas (aphylla will also provide genes of presently unknown value in breeding) and I hope a couple

of generations more will let me lay this project aside. Not that it will be completely finished, but I think it will be finished as to type, which will satisfy me, knowing that others can put the finishing touches on.

“Then the reds—this problem I have struggled with since the days of SEMINOLE way back in the twenties. I honestly think, short of a breakout of tangerine, that the red problem will be with us another thirty-five years, and that real red color, as in tulips and gladiolus and roses, will not yet be attained to. But I do think clearer and redder color will gradually appear, and I have a conception of red color that I want very much to test out, and in fact have been testing out through these seven or eight years since Greig Lapham got his YLEM and other seedlings from intercrosses of his PACEMAKER and my older reds.

“In view of all this, I think I will have to decline your request that I direct the aphylla research. If I could be of help at any time in an advisory or consulting capacity, I would be glad to do what I could. It will be a long time before we have all the answers to the makeup and the capacity of the different aphylla forms. But the answers will gradually be revealed in the hybridizing of this species with the various tall and other bearded irises, after which the real use of aphylla and its hybrids can be made. Twenty years will not see the species aphylla exhausted of useful genes and the characters in which the genes express themselves.”

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Everybody is familiar with Paul Cook's work with PROGENITOR. Its parents were a tall bearded iris and a species dwarf seedling, and it is but sixteen inches tall, actually a median iris though Paul didn't think of it so. To him, it was a carrier of new potentials for his tall bearded projects. What he had actually uncovered was that great rarity in iris breeding, a new dominant trait, and that in a pattern, previously recessive, which had offered the supreme in frustration to those who had tried to improve it.

Actually, Paul had no idea of such a result when he made the original crosses. What he had been doing for some time, and continued to do after the advent of PROGENITOR, was to cross every species he could into his tall bearded strains in an attempt to locate genes for new flavones that would make the blues bluer, as flavones sometimes do in other genera. Because he was a truly great plant breeder, he accepted and followed through as sidelines some of the smaller irises that were byproducts of his major work; but all of the dwarf and median progenies were originated with the ultimate purpose of introducing new germ plasm into the tall bearded irises.

It takes courage to embark upon a breeding project that goes back to the species. For many years, Paul's seedlings were objects of pity to many of his fellow iris breeders. They bore the mark of the wild, where other values than the wishes of gardeners are in force. PROGENITOR itself is a rather dreadful little iris, which almost any other iris breeder might have discarded with a shudder. Then, eventually, the plant breeder's work began to pay off. The long apprenticeship came to an end, and the good new introductions were recognized as among the best of their years. As any iris hybridizer who has used them knows, Paul's tall bearded irises are thoroughbreds. They are not casually lucky beauties from catch-as-catch-can crosses . . . they have concentrated genes for the virtues which distinguish them.

This concentration of good genes shows up in the first generation species crosses of later years, and notably in the original pumila-tall hybrids, BARIA, FAIRY FLAX, GREEN SPOT and BRITE, which were selections from crosses first reported in AIS Bulletin 119, page 58. After the PROGENITOR work, this was probably Paul's most important contribution to the future of irises. These fine irises were not entirely the result of concentrations of desirable genes in the tall bearded seedling, #10942; the desirable traits, and particularly the pumila blue, had been equally concentrated by careful selection in the seedlings of *Iris pumila* which Paul had grown from a strain of Austrian pumilas sent him some years before by Robert Schreiner. Incredibly, these first impeccable products of a new type of cross remain, after 15 years, standards for their class . . . a class which was actually not even established until six years after they were registered. Lovely in themselves, their influence as parents and grandparents in strains of median irises cannot even be suggested in an article of this scope.

Paul's collecting and breeding with the species led to some important chromosome studies by Dr. L. F. (Fitz) Randolph, who was then head of the AIS Scientific Committee. Dr. Randolph found that the new pumila-tall hybrids had 40 chromosomes, of which 24 came from the tall bearded parent and 16 from tiny *Iris pumila*; and he proved that the known 40 chromosomes of the species *Irises chamaeiris*, *italica*, *olbiensis* and *subbiflora*, and of their named garden derivatives, were in this same grouping of 12-12 and 8-8 rather than in four sets of 10 chromosomes each, as had previously been surmised. This finding suggested to Paul Cook another fertile level at which irises might be interbred, and desirable genes concentrated, before making the more difficult transition of these genes into the tall bearded irises.

Briefly, the theory of what we have called the "40-chromosome pot," and which is the basic principle whereby the standard dwarf irises are bred, is that tetraploids of like amphidiploid constitution are interfertile to a degree that permits selective breeding on a large scale. Paul proposed that in addition to the pumila-tall hybrids and the existing species and garden "chamaeirises" of like constitution (e.g. TINY TONY, WHITONE, ORANGE GLINT, BLAZON,) further hybrids should be created by crossing species or species hybrids known to have 48 chromosomes, with the improved selections of *Iris pumila*, and thus their genes might also be incorporated into this pool. A number of these Paul himself developed and distributed, notably the hybrids of PROGENITOR X pumila; these carry the PROGENITOR bicolor-amoena pattern. When he first developed them, Paul remarked that the yellow or PROGENITOR blended oddly with the pumila colors, and one of his seedlings, #3355, has a blended spot that is close to deep aqua. When these are crossed onto tall bearded irises they produce excellent and fertile seedlings.

Paul also offered some interesting data about crosses of *Iris aphylla* with the pumilas, along with plants which he contributed to one of the Median Society's auctions. These crosses confirmed his opinion that *Iris aphylla* carried a type of purple coloring which was not affected by the inhibitor in *Iris pumila*. These are interesting small plants, some with the aphylla branching at their six inch height; they also should be crossed with tall bearded irises for results of value.

It would require a volume to evaluate all of Paul's species crosses, many of importance to dwarf and median hybridizers. His first two introductions,

KEEPSAKE and TAMPA, were hybrids of *Iris arenaria*. Another type of hybrid which he recommended highly came from his "Hoogpums" as he registered them, no doubt with tongue in cheek . . . seedlings from *Iris hoogiana* X *I. pumila*. These he crossed with seedlings from his tall-pumilas and created what he considered a fine type in the standard dwarf iris height range, small flowered and slender stemmed; but like the *arenaria* and *bloudowii* hybrids, these proved almost totally sterile.

There were a number of other species; WIDE WORLD, from *imbricata*, has been carried further by other breeders and has shown that it is capable of producing reverse amoenas of great beauty. Some of the earliest *mellita* hybrids were bred by Paul; the seedling species he identified as *Iris reichenbachii* came from seed labeled *I. mellita*. The dwarf iris, INCHALONG, involves *mellita*, but other than the *arenaria* hybrids, Paul's miniature dwarf introductions were mostly from *Iris pumila* which, indeed, of all the species has showed the greatest garden-compatibility. REMNANT and SKY PATCH are pure species; ALINDA, VIOLET GEM, STINT and BLUE BAND are species hybrids. A *pumila* hybrid seedling, #1546, proved to be the most valued of all *pumilas* or near-*pumilas* for both miniature and standard dwarf breeding. His bright red-purple intermediate, FLORINDA, came from a *pumila* hybrid crossed with tall bearded. KISS ME KATE, of course, is one of the Progenitor hybrids.

During his probings into the genetic constitution of the species *pumilas*, Paul came to believe that their lovely and distinct blue came from a different aggregate of genes from the blue of the tall bearded, and he expended a great deal of effort in an attempt to carry this blue into the tall bearded. Although he had decided that this was probably impossible, and that the gene for the *pumila* blue would disappear before tall bearded stature and bloom season had been regained in repeated backcrossing, he was still working for a specific answer on this when he died. His method was to cross a recessive white tall bearded seedling with blue species *pumila*, and to continue crossing the resulting hybrids back to the recessive tall bearded until all the blue had dropped out. We hope that this experiment has been saved and can be continued, because it should give the answer to one of our more perplexing problems.

One of the more interesting theses which Paul gave to us also involved continuously crossing back the *pumila*-talls to tall bearded; that is, the problem of the segregation of small-late irises . . . dwarfs which bloom with the tall bearded. Although Paul bloomed some of these himself, and certainly knew whereof he spoke, they are by no means a commonplace. We will not discuss here the genetic principles involved; they have been published in AIS Bulletins and elsewhere by Dr. L. F. Randolph and Dr. Katherine Heinig. We have here size factors: small, tall; and season factors: early, late. In the course of segregation we may have small-early, small-late, tall-early and tall-late. Small-early and tall-late are familiar. Tall-early I saw once at Paul's in early May, blowing out like a flag in the strong spring breezes. These are not much use; they tend to frozen bloom-buds in late spring freezes. Small-late should be passionately pursued; we need better small irises in the tall bearded season, as anybody might conclude after looking at PALTEC and PEEWEE year after year in the place of honor, in front of the TB guests at our conventions.



The one primarily median project which Paul retained was his work on the table irises, which had proved to be the most challenging of the median classes. Since Paul had assisted at their birth, when the first ones were selected by Ethel Peckham out of the Williamson seedling patch, he doubtless felt some responsibility for their existence. At any rate, after he had turned over most of his median material, plants and plans, to people he felt were competent, he settled down to this one obstinate problem. It was also a long range problem, and we hope it can be carried on from where Paul left off.

In his last five years, Paul was greatly handicapped in his median work by late spring freezes which, if they did not destroy the bloom, apparently damaged the viability of the pollen so that in some crosses large numbers of pollinations gave not a single capsule, and in some years the trouble lasted into the tall bearded season. The result, of course, was irretrievable loss to the iris world but the loss would have been infinitely greater had he not so generously shared his knowledge and his ideas, as well as his plant materials, with his friends.

*Bee Warburton really needs no introduction to the readers of the Bulletin; she is known well and favorably wherever irises are grown.*

## ELUSIVE HUES— *An Article About Melba Hamblen*

DR. LORENZO A. MEDRANO

The fact that a path is well worn is a testimony to its safety. It also may be a testimony to its dullness. But if you seek adventure, if you want to explore what lies behind the next hill, or from where that brook is coming—then yours is not the well-worn path, but you must open your own as you go along.

Seeking new paths in irisdom, trying to find out what lies ahead, is the way Melba Hamblen has given to us those irises we have come to love and appreciate, and those hues of orange, apricot, orchid and beige, which have come to enrich our gardens in the last few years.

**There is method . . .**

It has become a cliché of the iris world to refer to many of Melba's crosses as unorthodox. Two ladies were ordering irises for their garden club from one of those catalogs which mention color. They came across one of Melba's irises, and one lady said, "Isn't that an unorthodox cross?" To which the other promptly replied, "Yes, it is. I also wish that I had thought of it first!"

Actually, when we speak of crosses where there is so much inbreeding, so much mixed blood, who can tell what is an orthodox cross, and what isn't? If your work carries you to the improvement of blue and white strains, your crosses must follow a standard pattern, and any deviation from it may be

considered as unorthodox; but if you want to try a new approach, if you want to produce those elusive hues you dream about, then you must throw caution to the winds and let your iris instinct be your guide, and success be the only yardstick of your orthodoxy.

Melba has grown irises as far back as she can remember, but they were unnamed varieties. Then, one evening in 1942, she was present at a social function when, she recently has written, "I saw my first modern irises. I learned the name of the person who had given the 'bouquet' to the hostess of the party, and the next morning visited this lady's garden (about 8 a.m.!) We can recognize the symptoms when we see them; no doubt Mrs. Hamblen had developed a strong case of the "iris bug," a case which lasts to this day.

The year 1947 was a decisive one in Melba's career. She had entered some blooms in a local flower show. There she met another iris enthusiast who suggested a visit the next day to the Salt Lake City iris show. Here she was confronted with her first view of pink seedlings, all from Tell Muhlestein. From the show the two friends decided to drive out to Provo to visit Tell's garden. Tell showed them around, and taught Melba how to hybridize an iris.

1948 found Melba waiting for the first opportunity to use some pollen. Even at the start, she confesses that wide crosses fascinated her. She has stated, "Exciting results can be expected from crosses between irises of unrelated colors. Subtle blends and new color combinations often appear in the first generation, and if the work is carried on by sibbing, selfing and back-crossing, recessive genes which were . . . unable to express themselves (up to now) are apt to manifest undreamed of variations."

Her first crosses were as wide as she could make them. Let's mention just a few: OLA KALA x SABLE, FLORA ZENOR x SABLE and SNOW FLURRY x PRAIRIE SUNSET. The first generation seedlings of these crosses produced excellent material for the compost pile, and were, accordingly, sent there. Derived from the experience of these crosses was the decision taken by Melba that some study in the field of genetics wouldn't hurt her any. Such study, begun in what the Latins would call *animus jocundi* (in good fun), has turned into a serious endeavor throughout the years. Now she knows when she is doing something she shouldn't.

### The new road . . .

Melba had lost a battle, but by no means a war. She had not discarded the ideas of wide-open crosses, but planned them more carefully. We come to the year 1951, the year of her famous crosses. Let's hear the story in her own words, "In 1951, with visions of a tangerine-bearded HELEN MCGREGOR dancing in my head, four crosses between various pink and blue irises were made." The four pink x blue crosses were:

1. HELEN MCGREGOR x RADIATION = 51-30
2. RADIATION x GREAT LAKES = 51-80
3. HELEN MCGREGOR x HIT PARADE = 51-94
4. SYLVIA MURRAY x FLORADORA = 51-106

The use of RADIATION rather than other of the Hall pinks seemed peculiar to me, and I asked her what had prompted her to use RADIATION. Her answer is important, "Because it is really not a 'pink', having more violet in its coloring." We can see that even at this early stage of her breeding program, "orchid" irises were in her mind.

When 1953 came around and the plants bloomed, the following crosses were

made:

1. 51-30 x PALOMINO; x sib to PINK FULFILLMENT; x GOLD RUFFLES; x PINK SENSATION.

2. 51-80 x PINK FORMAL; x PALOMINO; x FUCHSIA; x CONVENTION QUEEN.

3. 51-94 x MARY RANDALL; x PALOMINO; x CONVENTION QUEEN; x Tell's 51-13; x 51-88 (CHERIE x RADIATION).

4. 51-106 was not used at all and was discarded from the breeding program.

In 1955 the seedlings from these crosses bloomed for the first time. The best were from the cross 53-27 (51-30 x PALOMINO). One of them, a yellow, H53-27E, was introduced under number for use by other hybridizers. Another of the group was a blue of nice form, a tint lighter than HELEN MCGREGOR, and it was numbered H53-27K. Three other seedlings from this cross were named and introduced under the names of ENCHANTED VIOLET, 53-27-1; GAY ADVENTURE, 53-27D; and VALIMAR, 53-27H. ENCHANTED VIOLET is described by Melba as "light violet self, elusive orchid and pink flashes in the falls, tangerine-red beard." She obtained the pink beard here, but not the blue coloring she sought. GAY ADVENTURE is described as a "sultry blue-violet, with lemon beard," and VALIMAR as a "flaring apricot-pink with nasturtion-red beard."

FASHION SHOW, a flaring violet, shaded mauve, with a brilliant orange beard, came from the cross 51-94 x MARY RANDALL. 51-94 x PALOMINO gave a white seedling with a bluish cast that was crossed to a "tangerine-bearded blue" from 51-80 x PALOMINO to produce 55-53, an intense violet-blue with a tangerine beard, that figures prominently in the background of many of Melba's current seedlings.

The 53-27 series, to which Melba refers as the *Valimar* series, was given a chance to prove its worth during 1955 and 1956, with some interesting results, as we now shall see. H53-27K, the blue *Valimar* sib, was crossed with (PINK TOWER x RADIATION) x (PINK ENCHANTMENT) and produced H6-55, introduced as GARDEN PARTY, a self-bearded apricot-pink, with deeper texture veining. H53-27K x GLITTERING AMBER produced H5-40K, introduced in 1960 as FAIRY JEWELS, a border bearded iris, and the winner of the Knowlton Award for 1963. It is curious to note the production of a white seedling from three generations of pink breeding, with PALOMINO twice in its pedigree, on both sides of the second ascendants.

If we stop to look back to the ground covered, we can see that the road to adventure taken by Melba to produce a pink-bearded HELEN MCGREGOR took her to oranges, lilacs, mauves and more elusive hues. A person so at ease with language as Mrs. Peg DaBagh found it difficult to name the colors of Melba's irises, and has coined such words as "beigecot" (a color between beige and apricot), and "apribeige," which, at a guess, is about the same. Add hues of amber, nasturtium-red beards, apricot-pink, marigold-orange, cinnamon, Chinese coral, and . . . See what I mean by elusive hues? And in this extraordinary garden of mezzo-tints, off-shades, delicate pastels, can't you see what this woman, Melba Hamblen, has done? She has created a whole new palette of colors; she has created in us a taste for the more subtle and more delicate colors, obtaining in the garden a soft luminosity, more pleasant to the eye, like a garden seen through the eyes of an impressionist painter.

An even more exciting new line is at work in her garden now, but one which has not been made public as yet. The pink x blue line is iris history;

this line is iris history-in-the-making. During 1958, MELODRAMA was crossed to a seedling from FASHION SHOW x (MARY RANDALL x PINK ENCHANTMENT). At bloom time, 1960, most of the seedlings proved to be amoenas. One of them, 8-38A (8 for '58), was crossed to 7-55A, with the idea of producing a pink-bearded amoena of the WHOLE CLOTH type. (7-55A is a blue-violet, tangerine-bearded seedling from 55-53 x H53-27K). One seedling of this cross, 60-74, was kept, for it had the right color, although it was found lacking in other respects. In 1959 WHOLE CLOTH had been crossed with MOLLIE EMMS, and the cross produced a blue-violet self with a tangerine beard, numbered 59-66A. In 1962 pollen from 60-74 was used on this:

MOLLIE EMMS x WHOLE CLOTH	x	7-55A x 8-38A
59-66A		60-74

Last spring a series of fascinating blooms came from this cross, and the '64 crosses may produce the highly desired pink-bearded amoena.

For a conclusion, let's watch iris breeders at work in the production of just one variety. During 1950 or thereabouts, Mrs. Luzon Crosby visited Melba's garden, and was attracted to a yellow seedling she saw, 48-31, a seedling saved from a cross of 1948, TOBACCO ROAD x GOLDEN SPIKE. Mrs. Crosby took home some pollen from it to use on Tell's GOLD TORCH. Years later, when Melba saw a seedling from that cross in bloom, she took home some (Are you still with me?) pollen to use with GOLDEN VALLEY, an iris from Opal Brown. One of the resulting seedlings was crossed to another yellow seedling from BRIGHT FORECAST x GLITTERING AMBER to produce 60-63, which in the words of Peg DaBagh, is a "gorgeous yellow." It has been registered under the name ROYAL GOLD, and is to be released in 1966.

This is about the end of our long journey. In producing that pink-bearded blue, Melba has taken the adventurer's way, and in so doing has given us those elusive hues with which her name is associated so rightly. I would dare say she has refined our concept of garden hues, calling for a more subdued symphony of color, with a striking note in ORANGE PARADE. Even the names she chooses show a distinct effort toward sophistication and pleasant memory associations. And we imagine a lovely girl, with a mutation mink stole, like GLITTERING AMBER, on her shoulders, with FAIRY JEWELS on her throat, walking down FIFTH AVENUE, on her way to a FASHION SHOW, or perhaps going to a GARDEN PARTY, since we have a BRIGHT FORECAST for today. Or is she with her ENCHANTED VIOLET perfume, on her way to a GAY ADVENTURE? Do we know this girl? Sure! Not her last name, though. We just call her PRETTY CAROL!

*Dr. Lorenzo Medrano and his charming wife Iraida are well known AIS members who have attended many national and regional meetings and toured gardens all over the U.S.A. Loren's iris interests were kindled during his years at the University of Chicago; he is an avid student of hybridizing lines and the development of modern irises. Loren is an accomplished landscape architect. His fond hope is to establish his own hybridizing garden. Until this dream comes true, he continues active participation in AIS by recording for the BULLETIN the stories of the accomplishments of his legions of hybridizer friends.*

# *My Favorites*

For two issues of the BULLETIN we have printed some of the responses from iris growers in answer to a hypothetical question: If you were starting over, but had the knowledge you now have, which irises would you buy? In some cases we limited the authors to an expenditure of fifty dollars; in other cases we allowed an unlimited budget. We hope that you have found the answers interesting and informative.

We now want to close this series with another question, and we invite any of our readers to write in answer to this question. Which are your favorite irises, and why? They may be old or new, even seedlings; but in addition to the naming of your choices, we are interested in knowing of the qualities which make these selections your favorites. This is more than just an idle question; the qualities which make any particular cultivar a favorite of yours can be of real value.

## My Sterling Twenty-five

LARRY GAULTER

In a recent letter, our editor wrote, "Larry, how would you like to do a sequel to your article in the January BULLETIN, this time with no strings attached except to limit the list to twenty-five irises you would buy if you were starting over, and the price be hanged?"

Such good fortune, of course, is something that could happen to any of us who are conscientious, considerate and right thinking (this includes all of us, doesn't it, fellows?).

Further on, he suggests that I should state the reasons for these choices. This stipulation is fair enough, I suppose, though a little embarrassing when pressed to explain personal choices. Frankly, my only excuse for any iris purchase I ever made is that it appealed to me, and I had to have it, regardless of whether or not I could afford it. This line of reasoning transcends logic, therefore needs no accounting. Right?

Flushed with a sense of craftiness and power with the offer of such a legacy, I pondered: If I buy twenty-five of the most expensive irises I can find, the total cost would amount only to a paltry eight hundred dollars or so. What has happened to the good old days when such irises as PRAIRIE SUNSET and W. R. DYKES were introduced at one hundred dollars? I had suffered a great deal of pain previously, when limited to a fifty dollar budget. You have got to believe that an unlimited budget produces the opposite effect.

My preliminary list consisted of the most expensive irises I could find.

Unfortunately, I discovered several on this list that I could live without at any price. I then had to settle for some that obviously were better, even though they brought the total price down. I am wondering if Art will offer to settle the difference in cash? I confess that if I had not been so obsessed with spending as much money as possible, my final list would have included many of the irises listed in my fifty dollar budget.

Here, then, is my final list, with little apology. Most of them have been seen growing in various sections of the country, and have been recommended previously by discerning judges. All, I think, are advancements in color, style and form, and seem perfectly hardy. I must confess that I am not too critical as to bud count the first year or so, as any iris will vary on this score according to seasonal growing conditions.

WILD GINGER, STEPPING OUT, RIBBON ROUND, TEA APRON. Why so many plicatas? Well, it's my money, and I am a "nut" about plicatas. Furthermore, all will compare favorably with irises in any color class, and at least one or two are worthy of a Dykes Medal. I will not describe each one. Better descriptions than I can give may be found in the current catalogs.

LICORICE STICK, BLACK SWAN, DARK FURY. These three darks do well in our mild climate, as well as elsewhere. LICORICE STICK grows the tallest, BLACK SWAN has the best flower form, and DARK FURY seems to be the best grower and bloomer.

MARIE PHILLIPS, SKY WATCH. Both soft lavenders from blue and white breeding, each has a different form, and both are beauties in a limited color class.

MARTEL. A large, beautifully formed flower in blended deep rose-red, brown and purple. Not dull.

RIPPLING WATERS. Grows well everywhere. My feeling is that it has not been superseded by more recent introductions. My personal candidate for the Dykes Medal.

ORANGE PARADE, CELESTIAL GLORY, MISSION SUNSET. I did not get to Chicago, but I have agents whom I know are not color-blind and who did get there. It was reported that ORANGE PARADE still has the best true orange color. I know it's rough and perhaps a little soft. However, it has a lot going for it, and a clump in the garden dazzles. It was further reported that CELESTIAL GLORY still stands comparison in the orange class. The form of MISSION SUNSET leaves a lot to be desired, but its blended coloring of orange, white, yellow, and even a touch of green, really moves me. I am not the only one using this intensively in breeding for orange.

WENATCHEE SKIES. This is a medium-to-light blue. I took blossoms of every new blue I had in the garden last year, for comparison, and it seemed to me to be the bluest. I will not go so far as to say that it is the best-all-around, but it looks to be a good show flower as well.

WINTER OLYMPICS, ARCTIC FURY, HIGH ABOVE. WINTER OLYMPICS should be hard to beat for branching and vigor. Perhaps there are other whites whose flowers are as stylish or more so. I have not seen ARCTIC FURY, but my trusted operatives advise me to buy it. HIGH ABOVE is one of the few irises I have grown in this crowded garden more than three years.

KINGDOM, ULTRAPOISE, TECHNY CHIMES. All three of these yellows are from primarily pink breeding. I intend to keep growing them until Melba Hamblen has enough stock to release her best yellows from pink breeding.

These I know will not burn, are selfs, and deeper in color than any of the above.

CHRISTMAS TIME. I ran across this one last season in the Schreiner garden, under number. It will be introduced in 1965. I have been working for several years trying to get a good all-around white with a red beard, and lace. When I saw this one, I broke down and cried. I thought I was in pretty good shape until then. The parentage I think is of great interest and I will pass it on. One parent is a white sport from MAY HALL. I have heard of or seen only three or four true sports. MAY HALL has been an exceptional parent, and to get such a break is terrific. The other parent is ARCTIC FLAME. It may be of interest to tell you that I too obtained a few years ago a lesser break in this breeding. From a cross of PARTY DRESS x FUCHSIA I got a short lacy white with a tangerine beard. I first crossed this with FROST AND FLAME, and then the best of these seedlings with ARCTIC FLAME. This cross gave me several pretty nice ones, but they will not compare with CHRISTMAS TIME. Melba Hamblen also has better ones than I do. Hers are from RUBY LIPS x ARCTIC FLAME, if memory serves me right.

There are so many good new ones I would like to grow, and possibly some that I would be happier with than ones I have already selected. However, there is always another season, and I am bound to run across a few new ones that seem to be further advancements. And so, on and on it goes.

For my final two selections, I choose AMETHYST FLAME, and WHOLE CLOTH. These, along with ROCOCO, were on my previous list which was limited to fifty dollars. This surely proves that money isn't everything, and conscientiousness and right thinking will win out.

*Larry Gaulter is too well known to need any introduction in the kingdom of iris; suffice it to say that he is a member of the Board of Directors, and chairman of the Judges Training Program.*

## Irises for a Beginner

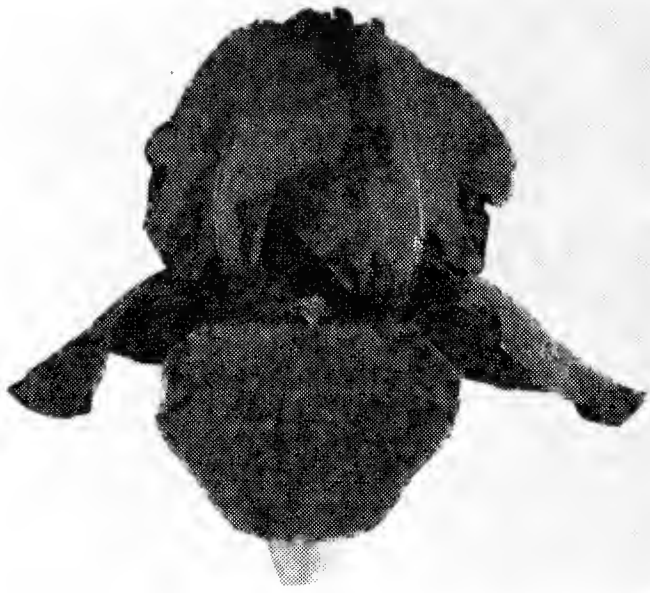
LESTER HILDENBRANDT

In reply to our editor's request for an answer to this hypothetical situation: *Suppose that you were starting over, but had the advantage of the knowledge that you now have. Suppose that you wanted to start modestly, say about fifty dollars. Which ones would you buy, and why?*

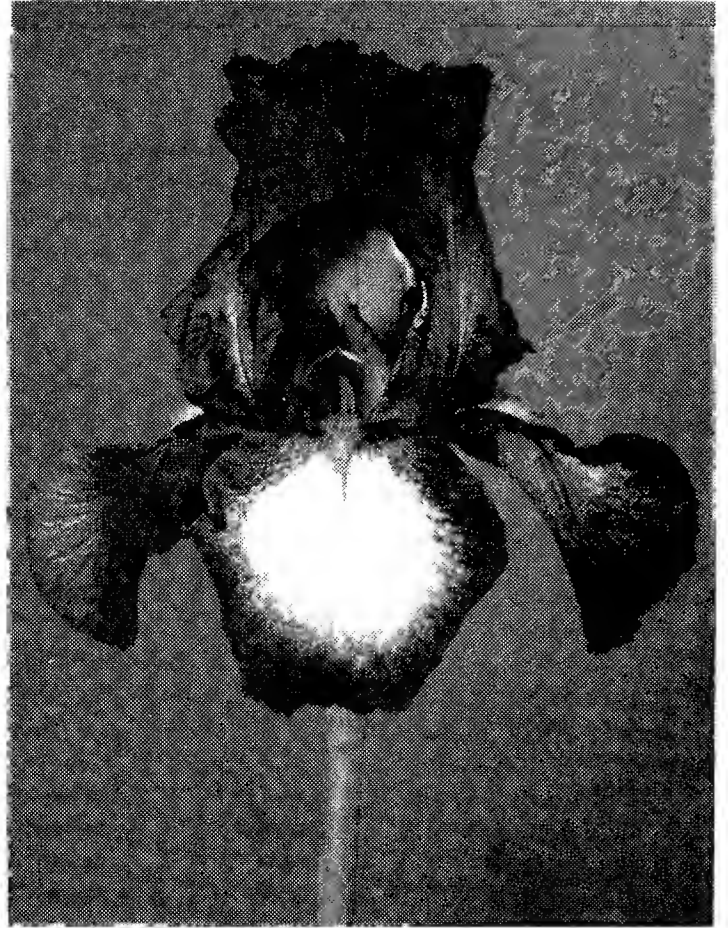
When you've had plenty of room to plant all the irises you could get your hands on and have been adding many of the newest introductions each year, this is quite a challenge. I'm sending in two lists that would fit two different situations.

If I had room for about fifty plants, I'd need quantity as well as quality, and would have to choose from the lower price range. We have grown these for several years, and all have grown and bloomed well for us every year.

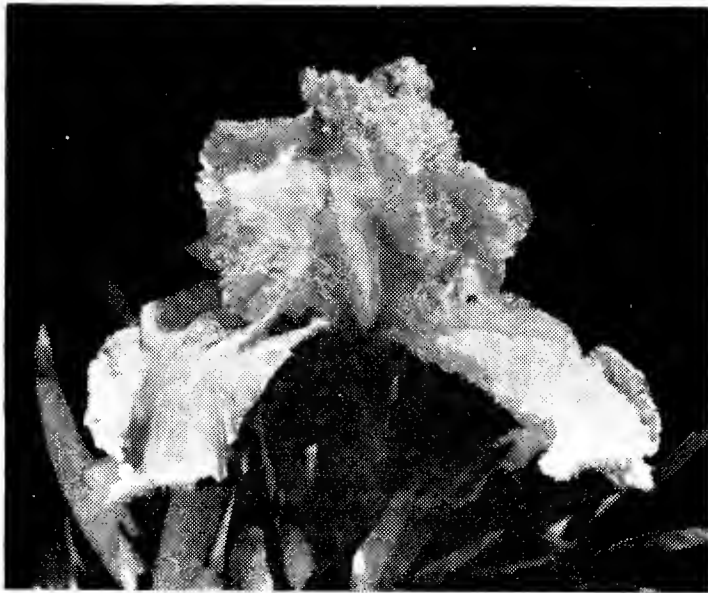
As you can see from the list, I have no favorite color. Unless noted otherwise most of these are tall bearded. I am partial to arils and arilbreds, but am listing only five that we have grown for several years that required no special treatment.



BERMUDA HIGH—Tompkins



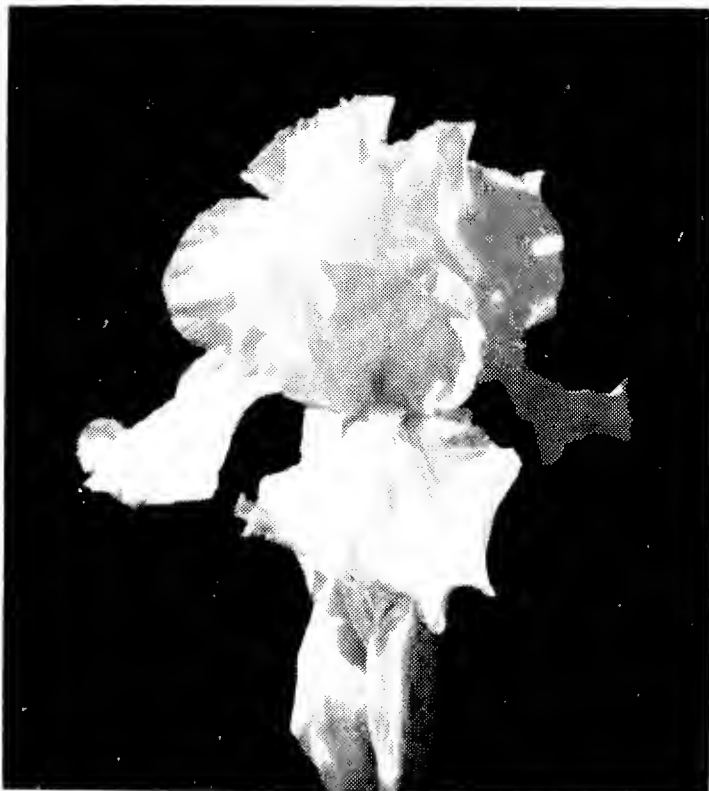
JET FIRE—Tompkins



GRANDIFLORA  
Opal Brown '65



HIGH ABOVE '61, Deforest



PIETY on January 28th,  
in the Bob Young garden



**ALICE LEMEN.** Closed standards are yellow; falls are white with yellow hafts. All edges of petals are crimped and fluted. Very floriferous; we usually have two or three bloomstalks on one-year plants.

**AMETHYST FLAME.** A large, ruffled lilac with a flame-colored haft. Good in every way and always has been one of our favorites. Deserves the Dykes Medal it won in 1963.

**APRICOT DANCER.** A laced apricot self with flaring falls and heavy substance. This usually grows less than 28" in height.

**BALI AGA.** Very oncolike in every way, but fairly easy to grow. It is veined and dotted, but the overall effect is a red-purple color. This always blooms heavily, and stands up in all kinds of weather.

**BANG.** A good red with more substance than most reds. It is well branched and always a good performer for us.

**BEAUCATCHER.** A nice apricot-pink with good substance, branching and fragrance. A most consistent rebloomer for us.

**BECAUSE.** A violet-blue that is good in every way. One of our best performers in this price range.

**BLACK ONYX.** A good dark violet bitone that has good branching and substance, and which is liked by all who see it.

**BLOOMIN' LOVE.** A rose-on-cream plicata that I really like. It hasn't won any awards, but its performance for us is much better than some that won awards when it was new. It has a different color, and good size, form, substance and branching.

**BLUE SURPRISE.** A bright light blue that has lots of bloom, substance and fragrance, as well as a strong stalk with good branching. We especially like this one because it reblooms for us.

**BRASS ACCENTS.** A tall, lightly ruffled and flaring golden coffee-brown. This really is beautiful when grown well, as it is well branched and the blossoms never touch.

**BRONZE BELL.** A large copper-bronze that has a metallic lustre. It is a large flower of excellent substance, fine form and ruffling. It increases well and has many strong stalks. It was my choice for the Dykes Medal in 1964.

**CELESTIAL SNOW.** A cool white with deep ruffling around all petals. Falls are broad and arched; standards are domed. The flowers have very good substance and the widely branched stalks really show them off. One of the best whites on the market today.

**COPPER HALO.** A bright plicata of orange-copper on cream. It has good substance and wide flaring falls; very popular.

**CRINKLED IVORY.** A large ivory-cream with very broad petals. This has very good substance and is a very prolific bloomer, with good increase.

**DIVINE BLUE.** A very nicely formed blue with a porcelain-like finish. It has broad petals with very good substance. The stalks have good branching and plants always have lots of increase.

**ELEANOR'S PRIDE.** A well-branched light powder blue that is tops in every way and deserves a place in every garden, as well as the Dykes Medal it won in 1961.

**FASHION SHOW.** A blend of violet and mauve with a gold glitter over the falls. The blooms are large, with broad petals and flaring form. Stalks are well branched and plants increase well. Very attractive.

**FIRST CURTAIN.** A lacy, ruffled clear pink with very good substance. This

is a short one for the border. Has a long season of bloom.

FLEETA. A fine, large, ruffled, clean pink. Has been one of the better pinks in our garden.

FOAMING SEAS. A frothy light blue with wide rounded ruffled petals. This is a good grower and always has lots of bloom on well-branched stalks.

FROST AND FLAME. The best white with a red beard in this price range. The tall, well-branched stalks have many nicely formed, clean, snow-white flowers. Always popular.

GALILEE. A medium blue that always has been a favorite of ours. It never fails to make a good showing in our garden. It has very good form and very good substance. The low-branched, strong, straight stalks have many large, round-petaled, sparkling blue flowers. Deserves a place in every garden.

IRISH LINEN. A large, ruffled, lemon-bearded white with nice flaring form on well-branched stalks.

JOEL AGA. A. C. G. White oncobred that has done very well for us without any special care. A dark, richly colored hybrid in buff, with a heavily stippled pattern of purple. Good size and very oncolike. A heavy increaser that has many bloomstalks that stand up very well.

KARACHI. A glowing red-purple with a large splash of white on the falls. Has many stalks that bloom over a long period. The well-formed flowers stand up well.

KAZAK. A large plicata of rich yellow with a border of violet-toned maroon. A showy flower with fine form and broad, rounded petals. A row of KAZAK always has many nice uniform stalks that bloom over a long period.

LADY K. A lovely orchid self for the border. The lacy falls are round and flared. This 18" beauty is very prolific for us.

L'LITA. A light pink with broad petals and flaring falls that are ruffled and lightly serrated. A good grower and well liked by the visitors.

MEXICAN HAT. A large showy iris with crinkled edges. This always is a good grower and bloomer.

MILLIONAIRE. A beautiful light golden-brown self with lightly ruffled, well-formed flowers. A good grower and a very dependable bloomer. Well liked by all who see it.

MOONCHILD. A novelty border iris of blended lavender and gray, with a mulberry signal. Has a nicely branched, wiry stem. A good grower and prolific bloomer. We have grown it since 1955, and it always has done well and is admired by all who see it.

KISH. Another of White's little oncobreds that grows and blooms very well for us. These usually bloom before the TBs get started. This one is veined and dotted violet on an off-white ground.

OLYMPIC TORCH. A glowing, light golden-bronze of large size on well-branched stalks. The ruffled flowers have very good form. This makes a bright spot in the garden.

PLUMED DELIGHT. The only horned or flounced iris that we like. This is a yellow cream, washed and veined grayish lilac. The falls are rippled and flared. A well-branched stalk has flowers with good substance. This is a good grower and a heavy bloomer, and much prettier than catalog pictures.

POET'S DREAM. A cool white with a touch of cream in the center of the flower. This is a heavily ruffled flower of very good substance on well-branched stalks. A real beauty.

REJOICE. Another beautiful white with very good form. It is ruffled and has very good substance. The branching is a little high, but the flowers are not too close. This has the longest blooming period of any we grow, as it is among the first to bloom, as well as the last. A good grower and a prolific bloomer.

RIPTIDE. A flaring plicata of porcelain-like white with blended violet over the standards and violet border on the falls. Very clean. Good branching and lots of bloom with good form and substance. Always a good grower.

RUTH COUFFER. A large, vibrant red with good substance for a red. We like this as well as a lot of the newer reds.

SALEM. A beautiful medium-light blue self with perfect form and good substance. A very good grower with lots of well-branched stalks on a plant.

SPARKLING WATERS. A frosty light blue with lighter area below the beard. One of the better new blues, with good flaring form, ruffling, and substance. Always a good grower with lots of bloom on well-branched stalks.

SUSAN OF HILLY. A pale violet with a darker signal. Another one of White's oncobreds that grows well and produces many stalks of beautiful flowers that stand up well.

TAHOLAH. A large, wide creamy-yellow plicata with standards marked dusky rose; falls marked darker. This always grows well and has many well-branched stalks of beautiful, well-formed flowers that stand up.

TIMMIE TOO. A border iris of flaring form and slightly open standards. Deep violet, veined deeper violet with a self-colored beard. This grows well, increases well, and produces many well-branched stalks.

TOM TOM. A large, red bitone with low, wide-branched stalks. This is a beautiful flower and makes a bright spot in the garden. The amber-red standards and flaring brick-red falls stand up well in the Nebraska wind and heat.

TULARE. A well-formed bright yellow border with red-apricot beard. This nicely flaring and ruffled border was the winner of the Knowlton Award for 1964, and received my vote along with a great majority of the judges.

WAYWARD WIND. An antique-bronze self, even to the beard. Fine form and heavy substance. This may not have the best branching, but this is offset by the many blooms over a long period.

WEDDING GOWN. A blue-white of fine form and good substance. A good grower having many well-branched stalks.

WHOLE CLOTH. An amoena with white standards and blue falls. This has well-branched stalks with nicely formed, flaring flowers. A vigorous and prolific plant and the Dykes Medal winner in 1962.

The following would be my choice of irises to buy, if I had only fifty dollars to spend, was starting from "scratch," knew what little I now know about them, didn't have much room, and wanted some of the newer and better irises. The total list value probably will be over one hundred dollars for 1965. We have grown most of these for two years or more, and all are vigorous growers and bloomers. All have clean color.

BLACK SWAN. A large, black purple with very wide petals that look like velvet. This has good substance and is a very beautiful iris. It was the most popular iris seen on the Region 21 tour in 1963.

BLUE SAILS. A large, ruffled and fluted light blue with domed standards and wide, circular, flaring falls. The stalks are of medium height and the

flowers have very good substance. Very beautiful flowers with a form that I like very much.

**BRIGHT CLOUD.** My pick of all the amoenas that I have seen and grown. This has tall, well-branched stalks, and blooms over a long period. The standards are a very clean white and the wide, ruffled falls are a smooth, medium blue. This is a very good grower and the blooms stand up very well in all kinds of weather.

**CAYENNE CAPERS.** A very bright and very beautiful plicata or fancy. A vivid burgundy to red-pepper, with a cream area in the center of the falls. The well-branched stalks have many large, heavily subtended, perfectly formed, ruffled flowers. In addition to this, it blooms again in the fall for us here in Nebraska.

**CHRISTMAS ANGEL.** A large, warm white with gold hafts and yellow within the flower, which makes a very beautiful flower of good form and heavy substance on tall, well-branched stalks.

**DAWN CREST.** A very beautiful combination of orange-pink standards and wide, ruffled yellowish-ivory falls on tall, well-branched stalks.

**DEEP SPACE.** A large, broad petaled flower of rich indigo blue. This has many nicely proportioned, formal-shaped blooms with no haft markings, on tall, well-branched stalks. The flowers have good substance and the plants are very vigorous.

**EARTH ANGEL.** A heavily ruffled and fluted cool white with domed standards and circular, flaring falls, on well-branched stalks. Very similar to **BLUE SAILS** except for color, and is taller. Very good substance.

**EDENITE.** A large, deep, clean red black, with the falls having a sooty black cast. The standards are closed and the falls are semiflaring, giving it a beautiful, rounded form. This stands up well and is much admired by garden visitors. A good grower and a heavy bloomer.

**FLYAWAY.** An extremely lacy violet with very heavy substance. This is a beautiful flower on well-branched stalks.

**HENRY SHAW.** A large, heavily ruffled and fluted white with cool green tones. This is a well-formed flower of extra substance on well-branched stalks. Very beautiful and has good growing habits.

**RAINBOW GOLD.** A very large, intense buttercup-yellow self, with all petals heavily laced and crimped. The well-branched stalks produce flowers with good substance over a long period.

**RIMFIRE.** One of the best red plicatas. The domed and ruffled standards are a gleaming rose-red, and the flaring falls are a porcelain white, with a heavy border of rose red around the ruffled edges. All petals are broad and heavily subtended. A good grower with well-branched stalks and many beautiful flowers.

**ROCOCO.** A large blue-on-white plicata, with ruffling, fluting, clean contrast and ideal growing qualities. A very beautiful iris.

**TOP OF THE WORLD.** A very beautiful new light blue with the standards slightly darker than the falls. The large, ruffled flowers of flaring form and heavy substance are borne on well-branched stalks over a long period.

**WILD GINGER.** A deeply flounced and ruffled new plicata. The standards are almost a solid soft brown. The falls have a cream ground marked and peppered with ginger brown. The large flowers, borne on nicely branched stalks, stand up in all kinds of weather better than any other iris we grow.

Will make a beautiful addition to anyone's garden.

Either of the preceding collections or any combination of the two will make a good selection for anyone starting to grow irises.

*Lester Hildenbrandt grows irises superbly by the acre, and conducts the Region 21 Test Garden.*

## Budgeting Irises

PEGGY EDWARDS

If I had to start from "scratch" to make a new iris garden, with fifty dollars to spend, I would think in terms of spreading the iris season over as long a period as possible. For a start, a dozen bulbs of *I. reticulata* and a dozen of *I. danfordiae* would cost about seventy-five cents each and would give me the first taste of irises in mid- to late March. They are available at most of the larger sources of hardy spring bulbs; in fact, I bought *danfordiae* at my supermarket last fall, a box of twelve for sixty-nine cents. While I'm buying bulbs, I would pick up some of the Dutch irises, which can be had from the same sources at about the same price. So let's have a dozen each of GOLDEN HARVEST, a rich yellow; WEDGEWOOD, a blue bitone; and WHITE EXCELSIOR. These I regard as annuals to be replaced each year; here, as in many parts of the country, they tend to "peter out." But at these prices I can afford to buy a fresh supply each fall.

Next, a few miniature dwarfs. ANGEL EYES is a charming white with blue spots. VERI-GAY is a vivid little variegata. LITTLE JOE, a deep black-violet (or maybe it would be BUTCH, violet with a white beard). BLUE FROST, a fine clear blue. CHERRY SPOT, a red amoena. BRIGHT WHITE, a good white. Before these are through, the standard dwarfs start. Of these I'd choose GREEN SPOT, white with a green area around the beard; BRASSIE, the brightest yellow; BLUE DENIM, a lovely blue; PAGAN MIDGET, a red-violet; and LILLI-WHITE, fine pure white.

For the intermediate season, I'd pick MOONCHILD, a delightful lavender of arilbred background; BLUE ASTERISK, blue with a deeper blue star on the falls; CLOUD FLUFF, ruffy white; and RUBY GLOW, an oldie but still the reddest—and the late afternoon sun shining through this flower makes it even redder. Of the miniature tall bearded, I'd want DAYSTAR, white with a vivid orange beard; WARBLER, clear yellow; WIDGET, blue and white plicata; PEWEE, white; DESERT QUAIL, yellow and white, and rather plicata-ish; and QUIEN SABE, pale buff, flushed orchid.

For the border bearded group, I'd start with PEARL CUP, an amoena in white and pale blue; CRICKET, bright yellow with darker falls; DOLL FESTIVAL, cream and fuchsia bicolor; and LITTLE SIR ECHO, deep red and ruffled.

Picking a fair share of the tall bearded is difficult. I think I'd study the bargain lists at the back of the catalogs and come up with something like this: WEDDING BOUQUET, white; BIRD SONG, a strongly marked purple plicata; BLACK TAFFETA; HAPPY BIRTHDAY, pink; JANE PHILLIPS, blue; RUFFLED ORGANDY, creamy; CAPE COD, reddish amoena; CHANNEL ISLANDS, yellow amoena; and then splurge on ALLAGLOW.

Naturally I'd have to include a few Siberians. WHITE SWIRL is my *must-have*; then TURQUOISE CUP, ROYAL HERALD, and BLUE RIDGE. And a couple of Japanese will wind up the season: HISAKATA, a lovely deep blue; and PERFECT PEACE, a fine white.

Seems to me this comes to just fifty dollars, and adds up to a lot of fine irises. Mrs. H. L. Edwards, Massapequa Park, New York, grows successfully many classes of irises, and is active in flower show circles.

## Dwarf Irises in Your Garden

ELSIE ZUERCHER

Mild April breezes and blue skies remind us that spring is just around the corner. And in our Hoosier state the herald of spring is not the blue-bird, but the miniature dwarf iris. Tucked into crannies of the rock garden, or in the nooks framed by the gnarled roots of a tall tree, or planted as accents or in wild profusion in the perennial garden, the dwarfs bloom in glorious mounds of jewel-like color, blue, yellow, white, orchid, and red, in many shades and tints. Not even the competition of the gay tulip species, the tiny early daffodils, and the profusion of the wild flower garden can dim their beauty.

In the small garden scaled to today's home the small plants are becoming more and more popular; tiny flowers have an especial appeal, and the dwarf iris is no exception. Blooming in earliest spring, after the winter months devoid of bloom, it appears a spendthrift, prodigal with its bloom. Most plants will be a bold mass of color, since a single rhizome sends up as many as six or eight bloomstalks. The dwarfs are available in most of the colors and patterns of their taller and later counterparts, and compare favorably with them in clarity of color, in pattern and in shape. And these are no delicate, exacting prima donnas. In most parts of the world they are hardy, dependable bloomers, remarkably free from pests and disease. Multiplying quickly, they soon grow into neat clumps and can be divided to grow in beauty in one's own garden or in a friend's. Best of all, one can fulfill the demands of the small backyard without emptying one's purse. A choice dozen of the little beauties, for example, BLUE FROST, BRIGHT WHITE, FASHION LADY, BLUE DOLL, BLACK BABY, PROMISE, PERKY, BRICKY, SPARKLING EYES, ABLAZE and BRIGHT SPRING, would give one a blue, a white, a yellow, a lavender, a black, a rose, a purple, an amoena, a variegata, and a *Pinnacle* type, all for an expenditure of less than ten dollars, with probably a very generous bonus of one or more of the very latest examples of the hybridizer's art. For the price of a tall bearded introduction one can buy five brand new 1964 introductions, or a whole garden of the varieties which have won the highest awards of the American Iris Society or the Dwarf Iris Society. One might own ATOMIC BLUE, WHITE MITE, GOLDEN CUPID, ALREADY, BEE WINGS, ANGEL EYES, CHERRY SPOT, ORCHID FLAIR, and PERKY, and still would be able to buy one's choice of two of this year's introductions.

One of the best buys of the year might be a membership in the Dwarf Iris Society. In addition, to the annual *Portfolio*, new beginners will receive a copy of the newly published *Beginner's Manual*, a handbook for the member interested in hybridizing and specializing in growing the lovely miniature dwarf bearded irises.

In any case, do not overlook this earliest of the bearded irises. Its miniature form, its floriferousness, its hardiness will delight you. Begin your season with a dwarf.

Mrs. Jephthah Zuercher is the editor of the Dwarf Iris Society publications.

# A Mere Twenty-five

SHIRLEY SPURR

To start new with just twenty-five irises. OUCH!! I could so easily reel off the names of irises seen at the last two or three conventions, but that would mean I have turned my back on tried and true iris friends which have remained beloved over a period of years; and how can I be sure these new lovelies will like my garden and will reciprocate as the older ones have done?

First and foremost, I am an individualist. The price tag is not my yardstick of judgment; and, not being a hybridizer, my choices are strictly the irises I most enjoy. I love irises; I love to grow irises; and I want the irises which give me the most personal pleasure.

Color plays an important part in my garden plan; but, and this is a capital BUT; to go with color, however delectable, an iris must conform to my standards of what constitutes a really good iris. It must have fine form, domed standards, preferably closed, nicely flared falls, gracefully ruffled, substance heavy enough to withstand weather elements, and well-balanced branching and foliage that adds attractiveness to the plant as a whole. I am selfish enough to hope my loving care will be rewarded with generous bloom and increase. A bit of wishful dreaming enhances the fun of gardening.

My inclination is strongly toward the lighter colors in irises, with here and there a splash of vivid color or an exclamation point of deep dark purple.

While I find the wee ones interesting and intriguing, there will be room for just one in this list, one which has been the harbinger of the glory to come for many years. One corner must be given over to PATH OF GOLD to flaunt its mass of gay spring greeting and open my iris season. Just one border bearded. The choice is difficult, but long before it was introduced, I have enjoyed Harold Knowlton's PEARL CUP with its delicacy of color, dainty form and lavish bloom.

Since the tall bearded are my favorites, they will comprise the remainder of the list, and we will start with white. There are myriads of beauties here, and some of the recent ones are superb. However, I still have to find out whether they will like me as well as I like them. For now I shall choose INVERNESS, that white of noble form and purity; and, although there are newer and better whites with red beards, I cannot leave FROST AND FLAME behind. Can they beat it for vigor, fine stalks of bloom and fast increase? For a delicate, almost white plicata, ROSY VEIL holds my admiration with its abundant bloom that comes early and keeps on and on; and, while not one of the big ones, is graceful and charming with its pink stitching. "Plics" I can take or leave, but I never fail to say a "thank you" to Rosy.

What we like to call the blue class has so many top quality irises that it would be well nigh impossible to go wrong. However, for a light one my choice is LONDON TOWN, a later Watkins iris, an odd hue of soft blue that is clean and pleasing with all the other attributes, and a remarkably good "doer." For the mid-blue I will stick to SEAMASTER. There are better ones, but so far they have not proven themselves. TROPHY delights me with its onco form and opulent size; and, of course, ALLEGIANCE so well deserves the Dykes with its exquisite velvet texture and clarity of color.

All values of violet appeal to me, making me want to purr like a contented pussy cat. Here for the lighter color the choice is definitely RIPPLING

WATERS. The rare blending of soft colors with its delightful form and exemplary behavior makes it a special pet. While the improvements in the mid-violet field are legion, VIOLET HARMONY still holds a strong place in my loyalty; and for a clean, brilliant purple with beautiful form and fine branching, I pick KATHERINE MCLAIN, a later Watkins iris. For my dark accent it will be RAVENWOOD, an almost black-purple of Edith Lowry's which she had registered but never introduced, although worthy of it. The form is good, as is the branching, and its growth habits all that can be desired. Here perhaps is the spot to think about the blue and white amoena family, and all the beautiful irises Mr. Cook left us. The progeny of WHOLE CLOTH are now in vast numbers, and many superior ones have been developed. However, I find in SUPERLATION the pleasing combination of blue and white combined with the other musts. For the charm of another newer color pattern, EMMA COOK is a delightful addition to the garden.

Somehow, I find that I am always seeking something different in the yellows. As a blender and unifier, to me at least, yellow in its varied values is essential in the garden picture. Miriam Corey's LACE FLOUNCES is a great favorite of mine. Perhaps it is not strictly a yellow, but deep cream with yellow hafts, beautiful form, elegantly laced, and excellent branching, heavy substance, and a splendid grower. For a sunny, cheerful yellow I choose ULTRAPOISE. It makes an outstanding clump in the garden, and the majestic beauty of GOLDEN MASTERPIECE is a heart winner. Another in the yellow-and-white group is one little known, for Harold Knowlton has not yet introduced it. It is his OLD COLONY, an iris that is a charmer with all the good points, and a bonus of being a very late bloomer. I like irises that extend the season for me.

Just one of the coppers or bronze types, OLYMPIC TORCH, so well named, for it lights up the garden with gorgeous color and carries all the necessary musts.

For the pinks—they too are now legion and so many that are highly desirable—but ESTHER FAY has my final nod. It most nearly meets my needs as a superb pink.

The field is wide in the melon class, or apricot, or whatever you choose to call it. Having lived with GALA GOWN, that will be the one I will choose. It has luscious color, sort of ripe cantaloupe, with graceful ruffled flare, fine form and personality. I expect it to be superseded by its child, MENEMSHA, when that becomes available.

When it comes to the irises we term red, I am lukewarm. However, I will include another of Watkin's later irises just becoming better known—GENERAL MARK W. CLARK, a rich, glowing deep garnet red that blends well and has the well-known Watkins quality.

There are twenty-two, and so many, many lovely iris missing, and it hurts to leave them out. Three spaces are left for what I think of as my gambling spaces, where new things seen and hoped for go on my want list. Cliff Benson's magnificent SKYWATCH; Nate Rudolph's beautiful ORCHID BROCADE; and Fay's approach to orange, RADIANT LIGHT.

That makes up my "Mere 25", a hopelessly meager number for a lover of irises. As of now this is my tale, but the female of the species has been known to change her mind.

*Shirley Spurr, a former RVP of Region 1, is an active iris enthusiast.*



# SOME IRISES FOR THE GARDEN, THE QUAIL AND THE SHOW

MRS. RUTH T. FLETCHER

Begin over with fifty dollars to spend on irises for garden appeal and for showing? How frustrating, this choosing from the glorious multitude of old beauties and still add a few from the compelling newer varieties. I find most are irresistible, especially in late afternoon and very early morning.

Did you ever try choosing favorites early some morning just as the rising sun shifted the captured dewdrops into diamond gear? Impossible!

Have you walked the rounds at night, flashlight in hand, to see them once again because you just couldn't wait until daylight? If so, you're right in this with me and will understand why the task is much too big for me.

I find irises are worth fifty dollars just "for the birds." Here the quail parade and feed through them, never giving a "Bob White" whether they droop, spread themselves or open their standards and catch water. One smart little hen did choose FABULOUS KATE and SARAH LESTER for nesting between. Oh, perhaps the grass just grew finer there. They gave wonderful shelter. Mama quail now brings her sixteen adult children back often to slowly feed around just before night; then slips into honeysuckle vines for safe sleeping, and feeds among the clumps again at daybreak before crossing into the woods. There's no doubt as to their insect destroying, for I've watched them pound bugs against the ground before eating them. So no hunting, please! And what a dandy excuse for my grassiness.

Many iris species are grown in this area. Despite some opinions to the contrary, they grow quite well here too, whether in country-patcher as mine are, formal beds or spot plantings. You'll believe this when you come to Memphis in May.

Let's shuffle these to see what we come up with for the limited amount. A few are chosen for their early brightness, while in the main, choices are for both garden and show.

ALLEGIANCE  
ARGUS PHEASANT  
ASPENGLow  
BALLERINA  
BELTON BEAUTY  
BLUE SAPPHIRE  
BRASS ACCENTS  
CAPTAIN GALLANT  
CASCADIAN  
CATHEDRAL BELLS  
DARK BOATMAN  
DESERT SONG  
ENGRAVED  
FROST AND FLAME  
FOXFIRE  
GLITTERING AMBER  
HAPPY BIRTHDAY  
HENRY SHAW

MARINE HAVEN  
MELBREAK  
NEW SNOW  
PASTELLA  
PIETY  
PRETTY CAROL  
ROCOCO  
SABLE NIGHT  
SNOWY VISTA  
SOLID GOLD  
STARSHINE  
TERRY ANN  
TILLAMOOK  
TRANQUILITY  
TROPHY  
UTAH VELVET  
VIOLET HARMONY

Too many whites? I think not, as whites tie in colors and bring out the darks to great advantage.

Wanted some Louisianas, Siberians, spurias, Higos, etc. I've just run out of money. But by shopping with reputable dealers I can still get them for fifty dollars, with maybe a bonus or two.

I must now save for some regional creations such as CORAL ELEGANCE, GLACIER GIRL, PENSIVE MOOD, PICKWICK GREEN, VESPER SHADOWS, etc.

Until then, I will go out collecting natives. This search is great fun and occasionally very rewarding with irises—plus unexpected bonus. My bonus, from the last trip, is now hibernating in a jar of decaying leaves, green mosses and bugs. Only a harmless baby snake waiting, like us, for bloom season.

*Ruth Fletcher grows many kinds of irises in her Gadsden, Alabama, garden, and is rapidly becoming an authority in the culture of many of them.*

## *It Turned into a Problem*

JUDY BELL

When I was asked to write a bit on, "If you were to begin over with price no consideration, which ten to twenty-five irises would you choose," immediately my thoughts were, "This will be easy!" What a mistaken idea!

When I first began growing irises, about twenty years ago, the first purchases were made by my ten year old son from a color picture in a flower magazine. From this collection of five grew a hobby which is almost an obsession. At first, color, variety and size were the things I looked for. Soon I learned of the Symposium published in the flower magazines. This led to a knowledge of the American Iris Society.

So with my first expenditure from this mythical *no-limit* budget allowed for this article, I would join the American Iris Society. From reading the AIS publications and attending regional and national meetings, I have learned to be selective. From attendance at several judging schools at these meetings, I have learned that branching, hardiness, substance and texture are important, along with color.

I would give more thought to the adaptability of various introductions to my particular area.

Since the hybridizing bug bit in 1959, I now give some thought to breeding potential when selecting.

In our gardening program, we use irises in beds, borders and garden rows. These are my current choices.

ALLEGIANCE (Cook '58) Ruffled navy blue with large, wide petals, velvety falls, flaring form and excellent growing habits.

AMETHYST FLAME (Schreiner '58) Ruffled lilac-lavender with pink overlay. Quite distinctive.

BLUE BARON (Schreiner '62) Massive dark blue. Outstanding. Well-branched. Many buds.

BRASS ACCENTS (Schreiner '59) Rich coffee-brown with burnished brown hafts. One I consider a good "doer."

BRILLIANT STAR (Hall '61) My choice of the red-bearded whites. Has wide parts and the overall form is excellent.

CASHMERE (Fay '59) Very large rosy red with pure red beard. Nicely domed standards.

COURT BALLET (Moldovan '59) Fine, large, fluted pink with orange beard.

DARK FURY (Luihn '62) A blue-black with matching beard. Large, ruffled. Nicely closed standards. Good grower of excellent quality.

DREAMY (Linse '53) Not so new, but a favorite white. Large, ruffled, excellent branching, good substance, long blooming period.

FLUTED HAVE (Reynolds '59) Heavy white, large and fluted. One of the very best.

GOLDEN MASTERPIECE (E. Smith '58) Golden yellow with some white in center of falls. Closed standards, wide falls, and a good grower.

GOLD FORMAL (Schortman '57) Combination of gold and yellow. Wide, flaring falls. Wide hafts.

GOLDEN DELIGHT (E. Smith '59) Very lacy yellow which performs well and lightens the beds and borders.

GYPSY LULLABY (O. Brown '60) Quite heavily ruffled standards are light butterscotch with violet flush on base. Falls are rich violet; quite ruffled and flare almost horizontally.

HICKORY SMOKE (Varner '60) Charming white with smoky blue-gray cast. Not a large iris, but has amazingly heavy substance. Fluted on both standards and falls. Charmingly different.

ORANGE PARADE (Hamblen '61) Light ruffling. Large. Bloomed well in our garden.

RAINBOW GOLD (Plough '60) Very intense yellow with tangerine beard. Crimped, lacy, large and showy.

ROYAL FANFARE (Branch '62) Deep lavender with a pink overlay. Tangerine beard. Flares slightly.

SEPTEMBER SONG (Hamblen '62) Brilliant Chinese coral standards with golden yellow falls. Wide red beard. Nicely ruffled. Heavy bloomer.

SIVA SIVA (Gibson '62) Gold standards with cinnamon flush. White falls with mahogany-brown etching. Fluted and quite fragrant.

RIPPLING WATERS (Fay '61) Blue orchid on the pink side. Sturdy stalks with many flowers open at one time. Tangerine beard. Excellent growth.

WAYWARD WIND (O. Baker '58) A favorite blend of antique bronze, heavy substance.

MARY RANDALL (Fay '50) I would buy this because some of my favorites have MARY RANDALL blood, and I believe that she can be used as a parent with many of her fine progeny.

Cook's TOLL GATE, ECSTATIC NIGHT, WHOLE CLOTH, and as many of Paul Cook's excellent irises as I could obtain.

WHITE PRIDE, BLUE BALLAD, and others from Dr. Branch.

MIDNIGHT SHADOWS, PACIFIC HARMONY, and more of Collie Terrell's creations.

As usual, I've been carried away on my hobby ride! I really suffered because I left out several old iris friends which have been standards in the garden, and omitted some of the new ones I want, such as C. Benson's SKYWATCH, light lavender perfection, any of James Marsh's new oranges and apricots from PRAIRIE BLAZE parentage, and Plough's BON VIVANT.

*Mrs. Fletcher Bell, Bellaire Farm, Rich Hill, Missouri, is one of the most enthusiastic irisarians we know.*

# *An Experienced Beginner*

W. G. SINDT

“If you were just starting in iris and know what you know now, what would you grow?” Variations of this question have been posed of me a number of times. I feel that this should not be answered by glibly naming some good varieties, but rather that a little discussion and advice should go along with it. Here is a potential iris enthusiast if properly nurtured! Let me set down some of the points I would consider in forming a reply to this query.

The best soil for iris is that which you have in your own backyard. In fact, if you want to grow iris, this is where they must be grown. Too much sand or too much clay can both be improved by the addition of organic matter which will help the moisture-holding properties of the sand and lighten the clay. Then the use of normal good cultural practices will suffice to produce beautiful blooms in the spring.

In my selection of iris I would grow a number of different types. These would include dwarfs, intermediates, arilbred, tall bearded, Siberian, spurias, and Japanese. By use of these various types it is possible to have two months of iris blooms.

The ideal way to select the irises is to see them blooming in a garden in your region. A commercial grower will be happy to have you come in to look around and place an order while they are in bloom. Of course, the rhizomes would be delivered to you at the proper planting time. If you wish to look around in an amateur's garden or that of a non-commercial grower, I am sure you will be most welcome and also hear and learn a lot about irises. All the irisarians I know are only too happy to have someone stop in to see their flowers. They also are most generous with advice and suggestions—most of which aren't too bad!

However, I believe that everyone who specializes in irises, or any other flower, has very specific ideas on culture and varieties which may be somewhat different from those of anyone else. What I am trying to say is that there are many excellent varieties which will grow well under widely different cultural conditions. It is also my opinion backed up by some experience that there are certain varieties which do very well in a particular garden and others which never approach their potential in that same garden, even though they may be very highly rated in most places. As an example, I have never been able to get anything on MARY RANDALL, but a neighbor half a mile away has beautiful stalks on it. STORM WARNING is one of my most reliable bloomers and increases rapidly, but he can hardly keep it alive. I would suggest that if you find any of these non-bloomers in your garden, you replace them with varieties which do bloom for you. It is no more work to cultivate, feed, water and spray a plant that blooms than one which does not. I have resigned myself to the fact that there are a few, and very few, varieties that just don't like me and the way I take care of irises.

An iris show will probably have more varieties in one place than most gardens. This is the second choice as to method of selecting iris. This method is not as good as seeing the blooms in a garden, because no indication of vigor or floriferousness of the clump is given.

After the irises have been selected, they must be purchased somewhere. To

me there is only one place to buy them, and that is from an iris specialist—one who lists a hundred or more varieties. This seller is, undoubtedly, keeping up with the newer introductions, and selecting the better ones for his distribution. No one dealer can possibly have all the varieties, but he should have enough to supply his customers' demands, and, of course, sells only named varieties.

If I could have only twenty-five varieties, what would I select? First, I would choose types so that the season of bloom would be as long as possible. By limiting myself to only twenty-five varieties, I am leaving out many good ones—and I am certain other people will disagree with me—but here is my choice.

The season would start in early May with the little dwarf *ATROVIOLACEA*. This is one of the older ones which opens the season for me, and is very dependable and floriferous. I would follow this with a couple more of the little ones—the light blue *BLUE FROST* and *BRIGHT WHITE*. I consider these two as beautiful examples of the dwarfs. For me they are hardy, good increasers, and reliable bloomers. There are many other good dwarfs, but if I limit myself to the twenty-five varieties, I will have only these three. To extend the season a bit more and still be in the smaller iris, I would add *GREEN SPOT*. The name describes the color, and the green is quite clear, not just a dirty yellow.

The season is now about the 25th of May, and I find that some of the oncobreds fill in here. My favorite of these is *OYEZ*. The color is hard to describe, but heavy red veins on a light background probably comes the closest. This type is supposed to prefer dry summers, but I have had good success here in central Minnesota with no special care.

The varieties of tall bearded which I have selected do not contain many late introductions; because with only twenty-five, I would have to be convinced in my own mind that they are what I really want. I shall name the oldest first. It is *PINK RUFFLES*, which would be kept partially for sentimental reasons, but also because it will produce more flowers per square foot of space than any other variety. In addition, it is relatively small in size and so works very well in arrangements. *PINK RUFFLES* and young rhubarb leaves can make an interesting and beautiful arrangement.

Many years ago I saw *LADY MOHR* in Schreiner's Gardens when they were still located in St. Paul. Its price at that time was \$25, and I would not have accepted it as a gift. However, the "Lady" has a way of captivating you in time, and today I would not be without her. I believe many people feel about this iris as I do. They wouldn't be without it. Or, they feel as I did, they would not have it under any circumstances.

Blue is a color found in few flowers, but it does abound in irises and some of the best irises of all time are blue. My choice in the medium to darker blues is the 1964 Dykes Medal winner *ALLEGIANCE*. This gives good sturdy stalks that are well-branched, and could easily be the Queen of the Show in any iris exhibit. It nearly was for me last year. For a true blue in a lighter value I have yet to see anything with better color than *MINNESOTA SKIES*. This has been an exceptionally good propagator for me, and I would most highly recommend it to any wanting a true blue in one of the lighter shades.

I like the plicata pattern very much, and prefer sharp contrast. *DOT AND*

DASH really meets this requirement. Its color pattern is almost black and white, and it has been on the Court of Honor in the Twin City show in Minneapolis for me the past two years.

Every garden needs light colors, and perhaps I am not selecting enough of them in my twenty-five varieties; but for whites I would take FROST AND FLAME and TRANQUILITY. FROST AND FLAME, as might be deduced from the name, is white with tangerine beard. Again, this variety increases and blooms above average for me. When I think of "white," I always come to TRANQUILITY, which is all white, including beard, style arms, and all the rest of it. The form I consider "round." That is, the falls are broad, roundish and flaring, while the standards come together at the top. This gives me a contrast to other irises which are of the long angular type.

My standard for yellow color is GOLDEN SUNSHINE. It is clear, clean, bright, and has tremendous carrying power. This is bright enough to stand out any place. My other yellow would be RAINBOW GOLD. This is an excellent addition to a color that is always useful in the garden.

A variety that combines the yellow and white is PINNACLE with white standards and light yellow falls. This is the variety which I use as a standard when judging others of similar types. In fact, these are often referred to as "Pinnacle type," which I feel is a real tribute to the variety.

I remember when the pinks made their debut in the iris world, and for a time it seemed that all the hybridizers were working on this color. Many good varieties have been developed and in a range of tints and tones. I still get a lot of good flowers on HAPPY BIRTHDAY, and would not be without it. VALIMAR is of a slightly different color, more on the peach side, and can become that winner on the show table.

Another strong color in irises is violet, and there are many excellent varieties. My choice in the medium violet is VIOLET HARMONY. Its Dykes Medal was well deserved. In the dark violet or black class I wouldn't be without STORM WARNING. With this choice, as with many of my others, I am sure some would disagree. For me, however, it has been outstanding ever since its year of introduction with increase and blooms galore!

CARIBOU TRAIL, a golden brown with a violet blaze on the falls, and CIBOLA, a glistening tan, are my choices in this color range. This makes a total of fifteen tall bearded varieties, and leaves out many, many excellent varieties and even complete color classes. However, to extend the season later into June and July, other types must be included.

Usually toward the latter part of the tall bearded season, the Siberians start their display. For one of bragging size I would have the dark violet, TYCOON. This is one of the largest Siberians, and also has good color. For one that is smaller and lighter in color, the light blue COOL SPRING will always find a place in my garden.

Some people seem surprised that I am growing spurias. I like them because they stretch out the season even more, and I find they do very well for me. DUTCH DEFIANCE is one of my most reliable varieties, and always rewards me with its blue flowers after the big show of tall bearded is over. This gives me an opportunity to enjoy and appreciate them even more than if they came earlier to compete with the display which the bearded provides each year.

To postpone the end of the iris season for a little longer as a final bloom, I would have a Japanese type. This would bloom for me in July, and my choice

for a variety would be MYSTIC BUDDHA. This is a white with wine markings, and is big enough to brag about.

These are my twenty-five irises, and I hope I am never reduced to that few. The blooming season will be from very early May through June and into July—over two months of bloom from these varieties. If I could have no more, these would be my choice because they have proved their value and right to take up space in my garden. Your personal tastes and cultural practices may differ, but you will want to select and grow and discard and select again until you find what you like.

*Wilbert G. (Gus) Sindt has one of the fine iris gardens of the Minneapolis-St. Paul area.*

## Fannie "Sez"

MRS. L. E. STADLER

Have just received my copy of our AIS BULLETIN. Thanks for the wonderful job you folks are doing. I especially liked the articles on "An Iris Garden for Fifty Dollars." While I annually spend too much on new varieties, I do love and cling to many of the older varieties that are still as good as and sometimes better than some of the new things being offered.

As I read the articles, I found myself saying, "Now why would we keep CAROLINE JANE when we have BELLE MEADE, HAPPY MEETING and DOTTED SWISS, keeping in mind the very little difference in price range?"

Then among the pinks, for sheer beauty the older ORIENTAL PEARL, PINK FULFILLMENT, JUNE MEREDITH and JUNE'S SISTER are as beautiful as most of the newer kinds, and they take the weather. Last spring during bloom season, we had an "awfully" windy day—the wind blew all day with a few spatters of rain. Late in the afternoon I went out to the garden to see how the irises had fared. Some of the newer ones which I love for their pure pinkness were whipped to shreds, while a few feet away JUNE'S SISTER was standing proud and straight with not a bloom hurt that I could tell.

As for blues, I always will want to keep BLUE SAPPHIRE, ELEANOR'S PRIDE and FOAMING SEAS, but an even older one, BUTTERFLY BLUE, performs so well for me every year, with grand stalks and sometimes as many as four perfect blooms well placed. I do hope that you haven't discarded it.

Everyone in Region 4, where I am known as "Fannie's Chatter," knows that white is my favorite. No one should miss CELESTIAL SNOW, regardless of price. When this lovely iris first bloomed in my garden, I could see it from the kitchen window; so I just piled the dishes into the sink and "took off" for the garden where I stood in awe before this lovely white iris. Every year my clump is depleted, so I just order three more for myself.

Other whites—I love them all, some for earliness, like CASCADIAN; others for lateness, like SPANISH PEAKS; and dear old SNOW FLURRY for its sweet perfume. I still can see that little son of mine (now a man) as he used to come up the path, step over to SNOW FLURRY and put his nose down for a whiff.

Yellow. Say, can't we shift the budget a bit and put in just one RAINBOW GOLD? I think I must have at least fifty varieties of yellow irises, but this one always gets the *ohs* and *ahs* at my place.

BROWN. THOTMES III is good, but did you ever grow GENERAL PATTON? This is so much like DOCTOR K that I hardly can tell which I like better.

Red. I still love RANGER. It was given to me by my older daughter for a Mother's Day gift when the price was prohibitive, and it still is as good as most other reds, and I have tried many. JUNGLE FIRES is a new one that performs well for me. It is grand and I will want to keep it.

The best variegata I have had so far is NASHBOROUGH, but good also are GOLDEN CROWN and FIRE CHIEF, and BROADWAY STAR makes a lovely clump. It is not pretty to me on a one-year plant.

Then the lovely orchid or lilac colors I love a lot. Heading the list are such as AMETHYST FLAME, LILAC SNOW AND CRINKLED LILAC; and of course if by scrimping, maybe on a new hat, you could add CRINKLED BEAUTY, you really would have something there! I also love LILAC DELIGHT.

Now for the dark ones, as these I love almost as much as the whites. Let's see! Hard to beat is SABLE NIGHT, and growing tall for me is LA NEGRA FLOR. I could add several other favorites among these, but they wouldn't fit the budget.

Of the apricot and orange things, I am still keeping ORANGE FRILLS, ORANGE CRUSH, and VALIMAR, which will be a favorite here for a long time.

Among the amoenas, let's hope that everyone has WHOLE CLOTH, and I also love ELIZABETH NOBLE, and for a really late one that is beautiful, too, CATHERINE CLaar.

For cream, I think that CRINKLED IVORY is tops, but I also am in love with IVORY WORK.

And for those different yet, there are my precious STARSHINE and LULA MARGUERITE, and my beloved EMMA COOK, with that lovely blue edge on the pure white falls.

None of these should hurt the budget too much, and by shopping around, I "betcha" you could get them all for that fifty dollars.

*Mrs. Stadler is a regular contributor to the North Carolina and Region 4 publications.*

## *Fifty Dollar Iris Pleasure*

ETHEL RICKER

The phone rang and I answered it. "This is Mary Lou speaking. I have the most wonderful news! I now can fulfill a secret desire. . . . It is to have an iris garden, my very first iris garden. I have fifty dollars with which to purchase irises. With your knowledge, I would love to have your assistance in selecting varieties, ones which will give me good blooms, grow well, etc."

"I will be delighted to do that for you, Mary Lou. Come over for coffee day after tomorrow at ten. I will be thinking of ones I can suggest to you which have been reliable bloomers in my garden and have given me satisfaction. . . . Just a question or two. About how many irises do you wish to plant and would you pay \$5.00 for a few varieties?"

"I believe I would have room for fifteen or eighteen, and I'll pay \$5.00 for a few, but just a few."



When Mary Lou came for coffee, I have her the information about the irises I would recommend for her garden, or for anyone else beginning an iris garden and with fifty dollars to invest. Here is the list.

ALLAGLOW	FLIPPANCY	MOUNTAIN MUSIC
AMETHYST FLAME	GOLDEN SPICE	MAIN EVENT
BLUE SAPPHIRE	HAPPY BIRTHDAY	RIM FIRE
BON VOYAGE	ILLINI GOLD	TECHNY CHIMES
CELESTIAL SNOW	JUNE MEREDITH	SOUTH PACIFIC
ELEANOR'S PRIDE	JUNGLE FIRES	TERRY ANN
FIRST VIOLET		

According to the 1965 prices, we have spent the fifty dollars.

All of the varieties I have recommended have received awards from the American Iris Society and four of them the Dykes Award, the highest award an iris can receive. Included in the group are white, yellow, red, light blue, dark blue, blends, pink, and two plicatas, one a rose-red and white and the other a white and yellow with ginger-brown markings.

Mary Lou was thrilled and very anxious for planting time, but she had one more question: where should she purchase her irises? I told her to always buy from a good reliable dealer, and I am sure that some extras will be included with the order.

I too am anticipating the beauty of Mary Lou's iris adventure.

*Mrs. Ralph E. Ricker has been a member of AIS since 1933, was Exhibitions Chairman of AIS for eleven years, is a past RVP of Region 21, and is an honorary judge.*

## THE REASON—I LOVE YOU

G. E. REDMAN

I love things that are beautiful—  
No matter what they be:  
A photo of a waterfall,  
A picture of the sea;  
A painting of an iris flower,  
I love to grow them, too  
My garden is a paradise  
When iris time is due.  
To me, it seems, when flowers grow  
From out one tiny seed  
That there must be a Divine Power  
And all who see—believe.  
I feel that I'm in league with God,  
I help Him toward His goal  
When I grow an Iris flower  
Whose beauty—feeds the soul.  
I love things that make harmony  
In art, and music, too;  
And even in my garden paths  
Their curves show beauty true.  
I love things that are beautiful  
And I include—you—too,  
And so—it is no secret now  
The reason—I—love you.

# *Twin City Iris Society*

GRETA M. KESSENICH

The January issue of the American Iris Society BULLETIN has just been received and let me be among the first to compliment you on the cover. All Minnesotans appreciate what is portrayed, for our iris beds have such a blanket of snow over a covering of leaves and hay. Anxiously we look forward to the day when a sprig of green begins to appear.

Little has ever been written about our Twin City Iris Society. However, we are a most active organization. Monthly meetings are held. We have a hybridizing unit. Hundreds of seeds are planted by members in their gardens. Study through the winter and meetings of this progressive group bring good results. We have some lovely Minnesota introductions.

A test garden is maintained for our own seedlings as well as guest seedlings. The big event is the annual iris show. This year it will be on June 5 and 6, at the Southdale Garden Court at Southdale, 66th and France, Minneapolis, Minnesota.

Each month a publication called "News and Views" goes to members. It consists of articles about the growing of iris, diseases, species, information pertinent to the Society, its needs and announcements.



Kenwood Gardens



Ron Twite planting irises  
in Lyndale Gardens

*Courtesy Minneapolis Tribune*

In April 1964, the Twin City Iris Society decided it was time to have group plantings of this lovely flower so a city could see and appreciate the beauty of the hybrid iris. The Park Board in the City of Minneapolis was very cooperative in this project. In a new area, in the Lyndale Gardens, overlooking beautiful Lake Harriet, a long bed for planting was prepared.

The Lyndale Gardens is a large area which includes the Lake Harriet Rose Gardens; also artistic beds of various designs are planted with annuals of every description and color. Adding to the beauty of this setting a large fountain daily spouts forth water in a most fascinating pattern. The iris bed is in a location of full sun with a background of tall pine trees which give it a setting of grandeur.

On a warm day in July, 1200 rhizomes were delivered to the area, approximately 300 varieties. We were met by representatives of the Park Board of the City. The rhizomes were accepted and the planting was completed by Mr. Ron Twite, a member of the Twin City Iris Society and employed by the park.

In 1964 Minneapolis was named one of the "All American Cities of the United States." The Glenwood Gardens, which are located across from Loring Park in the center of the city, is accessible to thousands of visitors and to patrons of the Guthrie Theater and Walker Art Gallery, located directly opposite the grounds. In this park, beds were made available for 200 rhizomes. Varieties of the 100 best, according to the American Iris Society, were the major selections given for the projects.

All Minnesota introductions were given and have been properly identified by name and originator.

All Dykes Medal winners were given, with the exception of five, which we hope to obtain this year. They have been identified by name and year.

It is our intention to continue adding to group plantings.

*From time to time it is our purpose to include on the pages of the BULLETIN stories of the achievements of our local iris clubs. The story and pictures in this article tell of a noteworthy achievement of a local club. The author, Greta M. Kessenich, of Hopkins, Minnesota, is the president of the Twin City Iris Society.*

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## Northwest Median Meeting

JEAN WITT

The Northwest Medianites met on Saturday, October 31, 1964, at the University of Washington Arboretum Clubhouse, Seattle, Wash., for their fourth annual fall meeting. Those attending were Rex and Alta Brown, Charles and Warrenne Carper, Grace Carter, Jenny Evans, Cay Flagler, Ruth Hardy, Hattie Hubbard, Bennett and Betty Jones, Dagny Lovejoy, Leona Mahood, Peter and Frances Maloney, Maxine Maynard, Herb and Margaret Parker, Grace Pederson, Clara Peterson, Orpha Salsman, George and Roberta Shoop, Harvey and Lena Simmons, Fred and Jeannette Snyder, and Jean Witt.

The afternoon was devoted to a general round table session on median projects and problems. Bennett Jones led off with a short talk on the various problems of introducing median irises. Discussion on the growing of bearded species followed. Then each member gave a short report of his special work with medians during the year. These were interspersed with questions and comments. Virtually every aspect of median activity was covered in the course of the program: culture, garden use, arranging, hybridizing, publicity, guesting, etc. Since one or more of our members are busy in each of the four classes of medians, many different breeding approaches were brought out, amply illustrating the unlimited possibilities of the field. Following a late-afternoon coffee break, Herb Parker told us a little about the paper on irradiation of irises which he had given at the spring regional meeting.

THE MEMPHIS AREA IRIS SOCIETY  
CORDIALLY INVITES YOU

TO

**MEMPHIS**

FOR THE 1965 ANNUAL MEETING

OF

**THE AMERICAN IRIS SOCIETY**

**MAY 8, 9, 10**

**CONVENTION HEADQUARTERS**

**HOTEL PEABODY**

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GARDEN TOURS START: 7:30 A.M. MAY 8th

REGISTRATION FEE \$30.00

ALL HIGHWAYS, AIRWAYS, AND  
RAILWAYS LEAD TO

**TENNESSEE**

AT NATIONAL IRIS TIME

MAY 8, 9, 10



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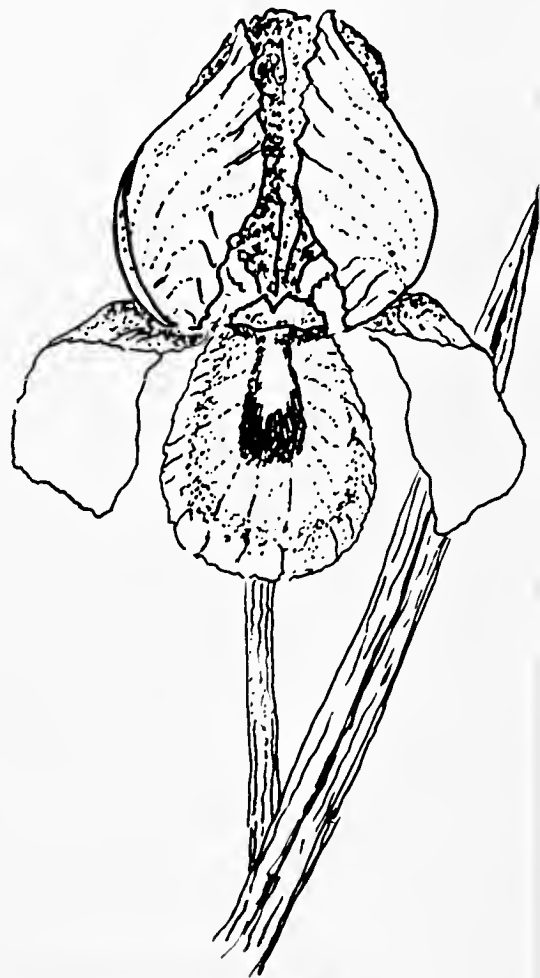
**M**OMENTS

**P**LUS

**H**UNDREDS OF

**I**RISES, AND

**S**OUTHERN HOSPITALITY



**NORTHEASTERN MEDIAN IRIS SOCIETY MEETING  
AT KING OF PRUSSIA, PA., NOV. 7, 1964**



*(Photograph by C. A. Bahret)*

Front row (from left to right): Bonnie Dunbar, Peggy Edwards, Jack Goett (pres. MIS), Bee Warburton (past-pres. MIS), Joe Gatty (treas. NEMIS), Doris Matzke (sec. NEMIS), Harry Kuesel (pres. NEMIS), Kathryn Chambers (vice-pres. NEMIS), Jean Hoffmeister, Charlotte Gantz (program chairman), Mrs. Paul Smith.

Second row: Mr. John Juhasz, William Peck, Fred Jacobs, Edwin Rundlett, Mrs. Juhasz, Dagmer Goett, Leona Bahret, Jane Hall, Mary Ellen Rundlett, Lucille Herrald, Dr. John Harvey, Mrs. Jacobs, Elston Herrald, Fred Matzke, Paul Smith, Paul Hoffmeister, Norman Clouser, Paul Dunbar, William Chambers.

**DALLAS JUDGING SCHOOL**



# *IN MEMORIAM*

## **MRS. ZERAH MAYE BRUMMETT**

Mrs. Zerah Maye Brummett, widely known in the American Iris Society and in Region 17, was killed in an explosion in her home on the evening of December 28, 1964. Mrs. Brummett was an accredited judge of the American Iris Society, a member of the British Iris Society and many other foreign iris societies, as well as a member of the Median Iris Society, the Spuria Iris Society and many other iris societies in America. She was a member of many Robins, and had been the director of several. She was a charter member of the El Paso Iris Society. She had a large iris garden, and won many ribbons and awards for her beautiful irises. She was a writer and a poet, and composed many beautiful iris poems. A copy of her Christmas and New Year message has been placed in the files for the January 1966 BULLETIN.

## **FOSTER R. SPOFFORD**

It is with a great deal of sorrow and regret that it becomes necessary to report the death of Foster R. Spofford of Beverly Farms, Mass. At the time of his passing, Mr. Spofford was chairman of the Massachusetts Bay Area of Region One of the American Iris Society, and was also vice president in the Regional organization.

Mr. Spofford, 58, husband of Dorothy L. Spofford, was an official of the Boston and Maine Railroad. He was, in addition to his AIS affiliations, a member of numerous railroad associations and a past president of the New England Railroad Club. He had all the attributes of a person whose life is dedicated to giving service to others. He was kind, generous, tactful and courageous. His valued participation in our local activities will be greatly missed. I had the pleasure of visiting with Mr. Spofford a couple of days before his sudden and untimely death. He seemed to be in the best of spirits and good health, and was looking forward with much anticipation and enthusiasm to attending the forthcoming Iris convention at Memphis. We have lost an avid iris enthusiast as well as a true personal friend. The Spoffords have a fine iris garden in Beverly Farms, Massachusetts, and they specialized in growing and hybridizing the Siberian irises.

On behalf of the directors, officers, and members of the American Iris Society, I would like, through this medium, to express deepest sympathy to Mrs. Spofford and her family, on the unfortunate passing of their loved one and our good friend.

JOHN A. BARTHOLOMEW

## **MRS. WHEELER H. PECKHAM**

Just as we went to press, we learned that Mrs. Wheeler H. Peckham died on February 23. Mrs. Peckham was one of the great contributors in the formative years of the American Iris Society, and served as the editor of the 1929 Check List.

# More on Soil Fertility

FERRIS D. GASKILL

Our editor has asked me to comply with the request of a fellow iris grower in Australia:

“In Mr. Gaskill’s article on ‘Soil Fertility for Irises’ (BULLETIN No. 174), we at last have been presented with practical and most helpful advice on the feeding of irises. Do you think that Mr. Gaskill would be kind enough to round off his article by replying to two questions about which I, and perhaps other members of your Society, are ignorant?”

“The first question relates to the time of seasonal feeding of TB’s. This subject appears to be almost as important as that of food requirements. In this country it is accepted that camillias, azaleas and fruits, especially citrus, call for food after flowering and fruiting. Japanese irises respond well to manuring or composting as soon as the spring shoots appear, with periodical applications of dried blood or liquid manure at later stages of growth. As a general, though not necessarily precise, view, it would appear that the optimum time to feed would be when the embryo flower bud begins to form. If this assumption is correct, when do the TB’s start the birth of their buds?”

“The second question relates to feeding which results in excessive leaf growth. This year, as a result of advice from another iris grower, I applied blood and bone during midwinter, and it would appear, at this stage, that leaf growth is predominant and flower growth may suffer.

“Since a plant depends upon food via its leaves as well as its roots, why does excessive leaf growth act detrimentally to flower growth?” . . . H. W. Sutton

We are pleased to comply with the above request, although we know that this addition to the previous article will fail to satisfy entirely all requirements.

Many interested breeders and plant scientists have dissected iris rhizomes during the spring, summer and fall growing seasons to determine, if possible, when flower bud tissue is born or initiated. We believe that these tests have resulted in the knowledge that the time of this initiation varies from plant to plant within a given garden, even from plant to plant within a given variety. This would correspond with our own belief, formed after growing tall bearded irises for many years. Therefore, we recommend a course of fertilization which should guarantee a continuous balanced and ample fertility which would serve to give the ultimate in bloom, as well as giving a well-balanced plant in all other respects. We believe that attempting to fertilize specifically for bloom is unwise, impractical, and probably would be unsuccessful.

Our answer to the second question should be considered in relation with the above. Excessive foliage we would describe as that which is above and beyond the amount which would be in normal balance with typical profuse flowering for a specimen variety. We believe that this occurs when the plant is unable, due to lack of balanced fertility, proper soil physical condition, adequate moisture or proper culture, to initiate and develop properly flower buds and stems. Many gardeners neglect their iris plantings after bloom; this is the important time to develop the buds for the succeeding season’s bloom. Then, when spring comes, they proceed to fertilize heavily, cultivate



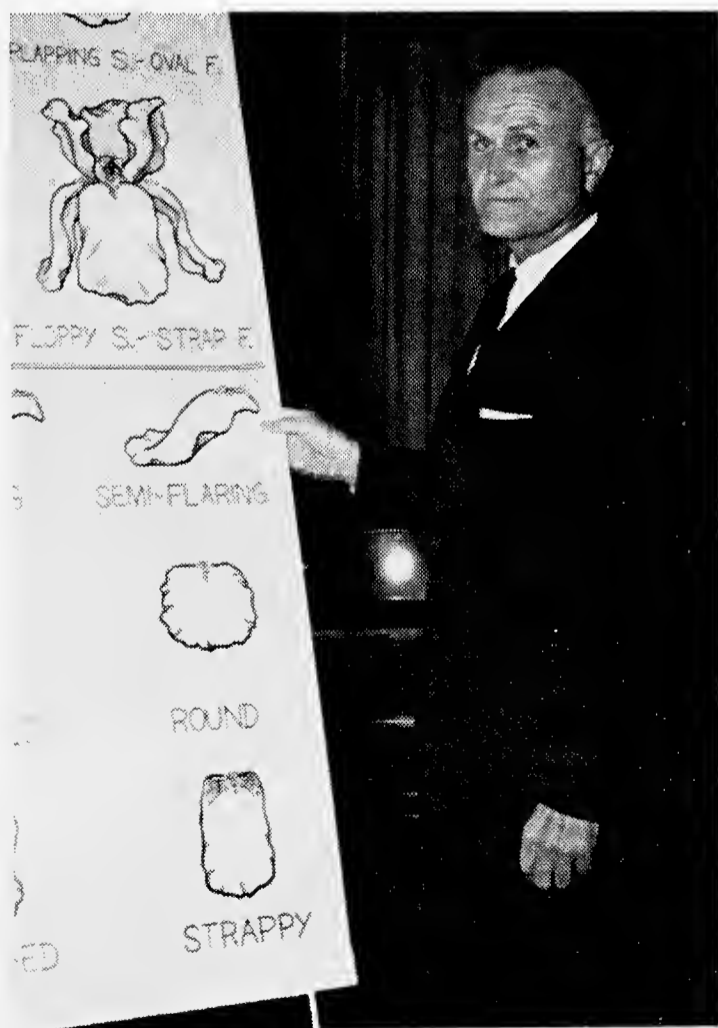
assiduously, and look forward to a bloom which fails to develop because the buds simply are not there. This fertilization and diligent culture will, under the conditions described, result in the excessive foliage. In these cases this excessive foliage is the result of lack of buds, not the cause. It is true that leaves play an important part in the nutrition, growth and flowering of a plant, but they are one part, and only one part, in the complex physiology of the plant.

The apprehension that our good friend in Australia feels about his bone and blood fertilization applied in midwinter is well founded. Dried blood has an average analysis of thirteen percent nitrogen, and one percent or less each of phosphorus and potassium, all of which are rather quickly available. The bone may have two percent nitrogen, twenty-two percent phosphorus and no potassium. The nitrogen is rather quickly available; the phosphorus very slowly available. This could be expected to induce a lush soft growth of foliage in the early spring. This can be remedied only by the application of a quickly available fertilizer, high in available phosphorus, potassium and other elements proven essential to proper growth and development. Flowering still will be dependent upon conditions which existed in the preceding summer and fall.

*Mr. Gaskill is an iris hobbyist, breeder and garden judge. He and his wife Margaret own and operate Greenbrier Farm, about thirty miles northwest of Chicago. Their garden was one of the tour gardens of the 1964 AIS Convention.*



“I told Ethel to go *easy* on that spring feeding.”



William Bledsoe at Dallas Judging School

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## New for 1965

**LITTLE WITCH** (Molly Price) SDB, 10". A captivating lilliput with standards of lavender blue, and falls a blend of brown and blue-gray with bronzy violet beard. (Co-introducing with Old Brook Gardens.) Each \$5.00

**FAIR FAWN** (Geo. Buchanan) TB. Pale, buffy salmon self. Excellent foil for bright and dark colored iris. All the vigor and good branching of its parents, Blue Whisper and Happy Birthday. Each \$10.00

**SUGAR PIE** (Cassebeer) BB, 25". Blend of cream, yellow, and pure pink. Form, size of flower, stalk, and branching in rare proportion for a border iris. Each \$10.00

### Other 1964-65 Introductions

**RENAISSANCE** (Cassebeer) TB. A re-bloomer of good form and fine color. Golden tan with a bronzy overlay. Each \$10.00

**TRAVIATA** (Cassebeer) TB. A bright royal purple self with a blue beard. Fine branching and vigorous growth. Each \$10.00

## CASSEBEER IRIS NURSERY

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Annual .....	\$ 5.00
Triennial .....	12.50
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Family Triennial .....	15.00
Sustaining .....	10.00
Research .....	25.00
Life .....	100.00
Family Life .....	125.00



"Oh, no! Freddy! Can't you see that tag? That one is already reserved!"

# MISSION BELL GARDENS

## INTRODUCTIONS FOR 1965

**JILBY** (Larry Gaulter) E-L 38" Brilliant blending of amethystine violets with an exciting burnt orange beard accentuated by a lighter area in the center of the wide falls. Aesthetic form. Gracefully ruffled petals, closed standards and flaring falls. Excellent substance. Superb branching with many buds and strong stalks. *Mademoiselle* × *Claudia Rene*. Sdlg. 61-31. Net \$25.00

**LILAC CHAMPAGNE** (Hamblen) M-L 38" Smoothly colored yellow and blue-violet bicolor. Standards are Barium yellow outlined with a fine etching of the fall color which is a tone between Wisteria violet and French blue. Wide petaled, beautifully formed blossoms are exceptionally well spaced on tall flexuous stems. *Mollie Emms* × *Whole Cloth*. Sdlg. H59-66. HC 1963. Net \$25.00

**MAY MELODY** (Hamblen) E-L 36" Vibrant yellow standards flushed pink and milky white falls, bordered with deeper yellow, create a perfect setting for the wide heavy beard of shocking tangerine-red. Delightful form with ruffled flaring falls and closed standards. (*Valimar sib* × *June's Sister*) × *Cotlet*. Sdlg. H9-24A. HC 1963. Net \$25.00

**NIGHT SONG** (Walt Luhn) M-L 38" Shimmering violet-black greatly admired at the Chicago convention. The extremely broad ruffled blossoms are fashioned with impeccable style: standards domed, falls arched and flaring and enriched by matching wide full beards. Strong well-branched stalks. Fine plant habits. *Dark Fury* × *Black Taffeta*. Sdlg. 61-22. HC 1964. Net \$25.00

**PORT ROYAL** (Larry Gaulter) M-L 36" Sparkling white ground plicata with deep blue-violet stitching embroidered on the petal edges. An unusually large white area in the standards emphasizes the contrast between the ground color and the markings. A blue tipped beard further accents this contrast. Large ruffled wide-petaled blossoms are shown off on strong stalks with many buds and fine branching. *Rococo* × *Latest Love*. Sdlg. 63-75. Net \$25.00

### *Standard Dwarf Introductions*

**GRACE NOTE** (Hamblen) E 12" Dramatic violet-blue beards on clean bright yellow. Standards light yellow flushed chartreuse, falls deeper toned. Jaunty form, nice proportion, plentiful bloom. Fertile both ways. (If a bee didn't get there first, more than 40 seedlings from *Grace Note* × *High Hopes* are coming along!) *Truce* × *Easter Holiday*. Sdlg. H604-33. HC 1964. Net \$7.50

**JUST SO** (Z. G. Benson) E 15" Exquisite blossoms of creamy white with green-gold pattern on the fall petals. The standards are domed, the falls have a perky flare and the prolific bloom is carried well above the foliage that is in perfect proportion to the size of the flower. *Tournament Queen* × *Carpathia*. Co-introduced with Mr. Benson. Net \$7.50

Make your own selection of bonus plants from our free catalog available May 1st.

## MISSION BELL GARDENS

*Melba and Jim Hamblen*

2778 West 5600 South

Roy, Utah 84067

# INTRODUCTIONS FOR 1965

BY ROBERT R. YOUNG

**SKIDIVA**—Dr. J. F. Knocke. (Whole Cloth x Cross Country) 30." EM. Closed standards, pure white. Wide hafted, ruffled falls of gleaming white, delicately edged in light blue. White-tipped yellow beard. Form of flower is A-1. Nicely branched. Increases well from vigorous plants. A new beauty from Dr. Knocke's Cross Country. Seedling K-31.

HC 1964 .....\$25.00

**MAJOR RED**—D. Lyon. (Involving Ranger x Cordovan, Savage, and Burmese Ruby) x (Burbridge seedling). Early to late season. Blooms again in the fall in California. It is the most prolific long-bloomer we ever have grown. Two increases growing on the bloom stalk while blooming. Deep red. Bronze beard, clean smooth hafts, excellent branching, well-formed flowers of satin finish. Abundant increases. Seedling 58-49-1.

HC 1964 .....\$25.00

**PARIS GOWN**—D. Lyon. (Pink Serenity x Pink Castle). 40" Midseason. Clear pink standards, peach-pink falls, coral beard. Very well-branched, broad-petaled flowers of smooth texture. This tall, well-branched iris is a fine improvement in pink breeding. Seedling 61-35-8.

HC 1964 .....\$30.00

**SHOWMASTER**—H. Selle. (Inca Chief x Bold Copper). 32". EM. A rich, warm, glistening brown; semiflared, ruffled falls. Self-brown beard. The exquisite form and styling of this iris makes it outstanding in any garden. Branching and spacing of flowers are exceptionally good. Hardy grower and increases well. **SHOWMASTER** received the largest number of judges' votes (over all other entries under number) in the Region 18 Test Garden, at Kansas City, Mo. Small stock will be sold out early to those who have learned that it will be introduced this year. Seedling 56-67.

HC 1963 .....\$25.00

All introductions guaranteed as described, from state inspected stock. Healthy rhizomes grown in virgin soil. Newer iris gifts with all orders, while stock lasts. California residents add 4 percent sales tax.

*See Commercial Directory (This Issue)  
For More Information*

**ROBERT R. YOUNG**  
4227 Constellation Road  
"In the Valley of Flowers"  
Lompoc, California 93436

# WHAT'S NEW FOR 1965

**RADIANT LIGHT** (Fay) ML 33" .....\$35.00

Sdlg. 62-39 (Chinese Coral x Prairie Blaze) net  
Acclaimed one of the finest orange-colored irises. Beautifully formed, ruffled orange self with subtle apricot and gold highlights. Flaunts a dazzling coral beard. Perfectly spaced flowers. Stock limited. HC '64.

**TROPIC ISLE** (Fay) M 36" .....\$25.00

Sdlg. 62-15 (Sib to Esther Fay x New Arrival) x Morning Breeze. net  
Mr. Fay has reached near perfection in the blue-orchid class with this very large, smooth new beauty. The wide-hafted flowers are produced on exceptionally fine S-curved stems. Distinctive from others in this class. Pinkish beard. HC '64.

**CANARY FRILLS** (Bro. Chas. Reckamp) M 32" .....\$25.00

Sdlg. 60-04 (Waxing Moon x Orchid Jewel) net  
This heavily laced iris is well described by its name. The falls are near horizontal and the color cream and canary-yellow, with a deeper beard. Even the crests are laced on this one. Strong, easy growing variety. HC '64.

**ORCHID BROCADE** (Rudolph) EM 36" .....\$25.00

Sdlg. 59-56 (Orchid Gem x half sib to Moon Crest and Pink Ice) net  
The heaviest substantanced, widest hafted flower we have seen in an iris. Well-formed and ruffled orchid-rose with a smooth flush of beige on the falls. Sports a lush tangerine beard. Strong grower and well-branched. HC '61

**IRISH LULLABY** (Moldovan) L 36" .....\$25.00

Sdlg. 60-28 (Court Ballet x sib) net  
Extra heavy lacing and ruffling highlight this very beautiful, wide petalled, tangerine bearded pink self. The large, near horizontal falled flowers are produced on sturdy well-branched stems. A healthy grower producing large plants. HC '62.

Order from this ad or request our free informative catalog listing other fine new irises and hemerocallis. Tips on culture and hybridizing included.

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**38830 DETROIT ROAD**

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# Introducing in 1965

## IRIS ORIGINATIONS OF

# CATHERINE and KENNETH SMITH

**CAPTAIN BLIGH M.L. 36"** \$25.00 Net  
(DAUGHTER MARLENE X (LAKE GEORGE X DOLLY LOREY))

Ruffled, flaring medium blue self with white beard. Vanderpoel's blue according to Ridgway.

**DYNASTY M.L. 35"** \$25.00 Net  
(IMPERIAL WOMAN X REGAL SPLENDOR)

Glowing light cotinga purple, bold, flaring 7¾" flowers, with smooth brown hafts and blue beards.

**KINGS HIGHWAY E.M.L. 37"** \$25.00 Net  
(57-31 x 56-26) Sib to ENTERPRISE

Buttercup yellow with small white area around yellow beard. Flowers are large and ruffled. The falls flare horizontally. Awarded HC in 1963 under number 60-8.

## 1964 INTRODUCTIONS

**ENTERPRISE L. to V.L. 38"** \$25.00 Net  
(57-31 × 56-26) sib to SARAH AVERELL and SUMI SAN

Broad, ruffled, clear, clean canary yellow, 7¾" blooms with horizontal falls, well placed on sturdy stalks. A single stalk cut from a one-year plant and displayed by Harry J. Randall at the R.H.S. Fortnightly Show in London resulted in ENTERPRISE being selected for trial at Wisley, June 1962.

**DAUGHTER MARLENE L. to V.L. 37"** \$20.00 Net  
(CAHOKIA × LADY ILSE) × (LAKE GEORGE × DOLLY LOREY)

Rich, deep blue with bright yellow beard. The flowers, broad, 7½", and liling on good strong stalks. A nice plant to grow as companion to ENTERPRISE.

**GERTRUDE WISTER M. to V.L. 35"** \$25.00 Net  
INLAND SEA × (LAKE GEORGE × DOLLY LOREY)

Light cadet blue, according to Ridgway; a lovely clear color, deeper in tone than DOLLY LOREY. Standards are closed and domed; rounded ruffled falls flare horizontally to form a flower 7" wide. The graceful stalk has five branches plus terminal, the two lower branches, rebranched. Chosen by Mrs. John C. Wister to bear her name. H.C. '62.

**GROSVENOR M.L. 34"** \$20.00 Net  
(SOUTH PACIFIC × ELIZABETH NOBLE) × BRIGHT HOUR

A bold, lusty neglecta. Standards wide and ruffled are campanula violet, falls wide and flaring are Victoria violet. A dazzling white sunburst pattern surrounds the beard. Very free bloomer, a swashbuckler.

**HEAVEN ON EARTH M. to V.L. 37"** \$20.00 Net

(LAKE GEORGE x DOLLY LOREY x ROBERT J. GRAVES

Light sky blue self. Standards domed, falls semiflaring; all flower parts are very broad and ruffled. A faint green tinge appears near centers of the 7¼" flowers. Strong five-branched stalks, lowest branch rebranched. H.C. '62.

**PARADOX E.M.L. 42"** \$30.00 Net

(HAPPY BIRTHDAY x 55-49)

Beautifully shaped 8" flowers of yellow; nearly a yellow amoena, with velvet on the falls. Standards open palest mimosa yellow and become white, falls are saffron yellow with cadmium orange beard. A very vigorous plant, stalks have four branches, the lowest one rebranched. Beautiful in its own right and WHAT A BREEDER for amoenas, neglectas and variegatas. It is giving us unbelievable color combinations. 55-49, the pollen parent, is Maytime x (Helen Collingwood x (Extravaganza x Royal Diadem)).

**LOYALTY E.M. 32"** \$15.00 Net

(DOLLY LOREY x PRECIOUS DAYS)

Medium light blue flowers are smooth and flaring. Makes a fine clump producing bloomstalks generously. H.C. '61.

**SARAH AVERELL, E.M. 34"** \$20.00 Net

(57-31 x 56-26) seedlings involving Golden Hawk, Silver Hawk, Cascade Splendor and others. The line extends over 25 years of breeding for yellows.

Dresden yellow self, standards domed, falls flared, the entire flower gently ruffled. Fine sturdy stalk, four branches, twelve buds. Flowers 7¾" wide. H.C. '61.

**SUMI SAN E.M. to V.L. 37"** \$20.00 Net

(57-31 x 56-26) sib to SARAH AVERELL

Deeper, more golden, Dresden yellow than SARAH AVERELL, the flowers more ruffled are of equal size, 7¾" wide. The stalk has four branches plus terminal and can produce 12 to 15 buds. Named for our delightful Japanese friend, Sumiko Yasuda, a difficult name for English-speaking people, and as we ourselves call her Sumi San, that is the honored name this iris bears. H.C. '62.

**WISDOM M.L. 32"** \$20.00 Net

(NEW YORKER x (LAKE GEORGE x DOLLY LOREY)

A large, rounded, sophisticated flower of pale pastel lavender-grey with a wash of pale gold at the haft. Four-branched stalk. H.C. '62.

**LITTLE DEMON M. Border-Bearded 19"** \$10.00 Net

(WITCHCRAFT x SABLE NIGHT) x REGAL SPLENDOR

Blackish red-purple self with self colored beard; falls flare at right angles from flower center, are velvet textured and crispy ruffled. H.C. '62.

**AUGUST SHIPMENT**

**NO CATALOG**

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Free catalog (no color) featuring all classes of bearded iris

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- EXOTIC BUFF (Yesteryear × Mary Randall) 30" apricot buff infused with lavender, making a different and exotic color. Ruffled, lacy and flared. Saturn red beard ..... \$25.00
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- SMILING QUEEN (Riviera × Queen's Choice) 36" Fluted and ruffled light-yellow of heavy substance. Excellent stalk, four-way branching and many buds ..... \$25.00
- ROYAL EFFENDI Arilbred (Jallah Effendi × Beechleaf) 32" Dark maroon bitone with bronze beard and wide rounded onco shape ..... \$25.00

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- ARCTIC BEACON (Baria × Cotlet) IB. 22" Bright canary yellow self with heavy, wide tangerine orange beard. Wide flaring form ..... \$ 7.50
- ARCTIC FANCY (Dale Dennis × Rococo) IB. 20" A smaller daintier version of Rococo. Spectrum violet stitching on white ground. Wisteria blue beard ..... \$ 7.50
- ARCTIC KISS ((Fairy Flax × Drop O' Blue) × Whole Cloth) IB. 18" White standards and lavender-blue falls, lighter at the edges. A dainty miniature Whole Cloth ..... \$10.00
- ARCTIC MYST ((Snow Elf × blue sib) × Flyaway) IB. 20" A lacy wisteria-blue of excellent shape. Light yellow beard and touch of tan at the haft . \$ 7.50
- GREEN MAGIC ((Snow Flurry × Sea O' Blue) × Bali Agha) Arilbred IB. 24" Smooth uranium green with maroon midribs. Broad rounded form like its onco parent ..... 10.00
- GREEN FROST (Green Spot × unknown) SDB. 11" Closed stands of greenish white, rounded flaring falls of uranium green and greenish beard. A fine green amoena ..... \$ 7.50
- ROSY TREASURE (Garnet Treasure × Pink Formal) SDB. 12" Rosy-amethyst standards and deeper velvety rose falls, lighter at the edges. Wisteria blue beard ..... \$ 7.50
- ALBINO DOLL (Cretica × Cretica) MDB. 4" A pure white pumila of excellent flaring form and vigorous growth, white beard. Will be in demand for hybridizing ..... \$ 5.00
- APRIL CHARM (Green Spot × # D 138 Little Charmer sdlg.) MDB. 5" Standards are pale cream, falls are bright green-gold with fine cream edge and cream beard ..... \$ 5.00
- APRIL FLIRT (Green Spot × Di38-Little Charmer Sdlg.) MDB. 5" A flaring ivory-white with a large dark brown spot on the falls giving a black and white effect from a distance. .... \$ 5.00
- APRIL ROSE (Garnet Treasure × Cretica sdlg.) MDB. 5" A rosy red-purple with a darker, velvety rose-red spot in the falls and heavy lavender-blue beard ..... \$ 5.00
- CRADLE CAPERS (Cradle Days × Cute Capers) MDB. 5" A dainty bright yellow with a dark brown thumbprint on the falls and ivory beard. Very early ..... \$ 5.00





# 1965 INTRODUCTIONS

*From the gardens of James E. and Searcy S. Marsh*

## DISTANT HILLS (Marsh '65) E. 33" Sdlg. 62-30

(Galilee x Celestial Blue x Allegiance)

A very smooth, dark medium blue self with a blue beard. The big, wide flowers have excellent form and substance with near horizontal falls and arched and closed standards. An added feature is the prominent ruffling on the extremely wide haft, which has no markings. A good increaser with healthy blue-green foliage. Four branches nicely spaced with some sockets carrying three flowers insures a long season of bloom. In '64 it began blooming very early and at convention time, when most early bloom was finished, it was in full bloom on the largest of its increase, although the main rhizome stalks were bloomed out. DISTANT HILLS was a big hit with those conventioners who took side trips to our garden. Fertile both ways.

HC '64 . . . . . \$25.00

## HARMONY HOUSE (Marsh '65) EM. 35" Sdlg. 62-17

(D. Hall pink x Fay 56-7 x Marsh 60-17)

This is a pink standard, apricot falled iris that caused so much comment in our garden the last two years. The pink standards are nicely arched, tightly held and very ruffled. The apricot falls are semiflared, fluted at the ends and ruffled up the sides. A heavy, bright red beard completes the picture. The plant is very rugged and a good increaser, having blue-green foliage that stays the cleanest of any iris in our garden. The branching is exceptionally good, with many of the bud sockets containing three flowers. Some stalks have had up to 13 flowers. HARMONY HOUSE is our second generation pink standard, apricot falled seedling. Fertile both ways.

HC '64 . . . . . \$25.00

## PIRATE TREASURE (Marsh '65) VL. 32" Sdlg. 61-52

(Sib to Prairie Blaze x Tarn Hows)

This was the large, very ruffled and very bright orange-yellow seedling that was easily the ace hit of our garden with the side trip conventioners in 1964. The flower is a self with a heavy tangerine beard. The standards are arched, tightly held at the top and very ruffled, while the wide falls flare to a 45 degree angle and are heavily ruffled all around and up on the wide clean hafts. In our estimation, this is the most spectacular-flowered seedling we have raised. The foliage is a clean blue-green and is sometimes corrugated. A strong grower, but only a medium increaser. Its branching is rather close and it blooms about six flowers per stalk. It has pollen occasionally and sets seed, but it is a reluctant parent. If we could grow only 10 irises, in spite of its faults, this would be one of them.

HC '64 . . . . . \$25.00

Any two of the above \$45.00. Three or more rhizomes—any combination—\$20.00 each. There will be no extras. The stock is limited on all three. We have no catalog and no other irises for sale. Moldovan's Gardens handles PRAIRIE BLAZE for us.

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## THE BEST IN LOUISIANA IRIS

Variety					Variety				
Color—Red	Season	Height	Awards	Price	Season	Height	Awards	Price	
Ruth Anne	M	2½'	H.C. '62 H.M. '64	\$ 5.00	W. B. MacMillian	M	3'	H.M. '59 M.S.D. '64	3.00
Acadian	M	2½'	H.M. '60	1.00	Joyce	ML	2'	H.M. '59	1.00
Capt. Bill	ML	3'	H.M. '62	1.50	Marquis de Lafayette	M	3½'	H.C., H.M. '63	5.00
Chuck	M	2½'	H.M. '58	.50	Rose Royal	ML	2½'		3.00
Plum Good	M	2½'		2.00	Mulberry Mousse	M	3'		1.00
Royal Gem	EM	3'	H.M. '51 MSD '52	.50	Bayou Glory	M	2½'	H.C. '52 H.M. '53	1.00
Wheelhorse	M	3'	M.S.D. '58 CSA '54	1.00	Bayou Sunset	M	2'	H.M. '50 M.S.D. '49	.50 .50
					Ella B. Davis	M	2½'	H.M. '53 C.S.A. '57	.75
<b>Color—Blue</b>					Sarah Gladney	M	2½'		
Bayou Mist	M	3½'	H.M. '64	15.00					
Mrs. Chowning	ML	2'		5.00					
Blue Duke	M	2½'		5.00					
Pristine Beauty	L	1½'	H.M. '64	2.00	<b>Color—Pink-Lavender</b>				
Gulf Surf	L	2½'	H.C. '62	5.00	Louisiana Fascination	ML	3'	H.C. '63	20.00
Bayou Blue	M	3'		4.00	Louisiana Romance	M	2½'	H.C. '63	20.00
Marie Caillet	M	3½'	C.S.A. '61 H.M. '64	2.00	Mrs. Mac	M	3'		3.00
New Offering	M	3'	H.M. '59 M.S.D. '63	2.00	Mally Phillips	M	3'		2.00
Ruth Holleyman	EM	4-5'	H.M. '55 C.S.A. '55	5.00	Katherine Cornay	M	3'	H.C. '61 H.M. '63	15.00
Blue Chip	M	2½'	H.M. '51 M.S.D. '57	.50	Pink Honey	ML	3'		5.00
Puttytat	M	2½'	H.M. '58	.50	Royal Lady	M	3'	H.C. '55 H.M. '60 C.S.A. '61	5.00 4.00
<b>Color—White</b>					Plain Folks	EM	3'	H.M. '63	4.00
Dove of Peace	M	3'		5.00	Mistis	E	3'	H.M. '58	1.00
Solar Light	M	3'		5.00	Dora Dey	ML	3'	H.M. '55	1.00
Her Highness	EM	2½'	H.M. '57 M.S.D. '59	5.00	Easter Surprise	ML	3'	H.M. '55	.50
Barbara E. Taylor	M	3½'	H.M. '55	.50	Louise Army	ML	3'	H.M. '57 C.S.A. '56 M.S.D. '62	.50 .50
<b>Color—Purple</b>					LSU Beauty	M	3'	H.C. '59	3.00
Honey Bunch	ML	3'		3.00	Kissie	ML	3'	H.M. '55	3.00
Duke of Orleans	ML	3'	H.M. '62	5.00	USL No. 9	M	2'		4.00
Late Comer	ML	3'		3.00	Susan Arceneaux	M	2½'	H.M. '63	5.00
Royal Velour	M	2½'	H.M. '56	1.00					
Violet Ray	M	3½'	H.M. '51	1.00	<b>Color—Breaks &amp; Novelties</b>				
The Kahn	M	3½'	M.S.D. '55	.50	Breakthrough	M	3'		20.00
Kisatchie	ML	3'	H.M. '61	1.00	Rainbow Inn	M	2'		4.00
<b>Color—Yellow-Buff</b>									
Amber Goddess	M	3'	H.C. '63 H.M. '64	25.00					
G. W. Holleyman	EM	3'	H.C. '59 C.S.A. '62	10.00					
Morning Treat	M	2½'	H.M. '64 H.C. '60 H.M. '61	5.00					
Tressie Cook	M	3½'	H.C. H.M. '63	5.00					
Charlie's Gold	ML	2½'		3.00					
Potato Chip	M	2½'		3.00					
<b>Color—Rose-Magneta</b>									
Mrs. Dupe	M	3'		5.00					
Faenelia Hicks	M	3½'		15.00					

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**AIR DE BALLET**—((Cliffs of Dover x Marion Marlowe) x (Lady Ilse x Bartow Lammert)). Very ruffled heavily substanced flax blue self. Standards domed and firmly held; falls semi-flared and quite broad. M. 36"; HC '63 ..... Net \$25.00

**DASHING PRINCE**—Regina Maria x (((Starlift x (Tosca x Blue Rhythm)) x ((Jane Phillips x Spanish Peaks) x Cloudless Sky))). Large, smooth, flared and moderately ruffled metallic-blue self with blue-tipped beard. Wide blooms are heavily substanced and carried on sturdy, four-way branched stalks. M. 36"; HC '63 ..... Net \$25.00

**FLAPPERETTE**—Miss St. Louis x (Sdlgs. involving Pink Formal, Chantilly, Pink Cameo and Gay Orchid). Melon-pink standards; white semi-flared falls, evenly bordered melon-pink. Blooms are heavily substanced, ruffled and wide. M. 36" HC '60 ..... Net \$25.00

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Sold out for 1965

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## AIS ROBIN PROGRAM SECTION

PEGGY BURKE GREY, *Editor*  
8191 Franz Valley Road  
Calistoga, Calif. 94515

KEITH KEPPEL, *Assistant Editor*  
517 North Anteros Ave.  
Stockton, California, 95205

### *Dear Hearts and Gentle People . . .*

We recall this salutation frequently used by Geddes Douglas in early Median Society robins, as well as Keith's absolutely accurate statement in his January Flight Lines: "It takes more than *iris* to make an iris society." When a terrifying forest fire last fall raged over about seventy square miles of California's beautiful Napa and Sonoma hill country, burning our place like so much tissue paper, it was our *iris* friends who were there to help. Very little would have been saved if Oscar Danker, our aril hybridizing friend in nearby Healdsburg, had not rushed over to help "evacuate." Frank Beeman loaned us his trailer to use until we could start rebuilding. Cherished iris friends all over the country rushed to offer to do kind and thoughtful things and add words of encouragement during a very black time. To mention them probably would be embarrassing, for this is the sort of thing which comes straight from the heart. Many of these dear people, of course, are personal friends. But as many, equally dear to us, we have never had the good fortune to meet in person. Some were known only as names mentioned by mutual friends or in the BULLETIN. One finds it impossible to say "Thank you" and do justice to the feeling of appreciation one has. And, in fact, this note is not written for such a purpose. In reciting our experience we hope we may bring to those of you who have not yet entered into AIS or local iris club activity the proof that there is no happier, more rewarding experience in life than to know the *iris people*. Robins probably are the best way to break the ice if you're reticent about approaching other members. Or you might look in your membership list to find someone nearby to go visit on the spur-of-the-moment. Or you might just drop a postal card to someone with whom you'd like to get acquainted.

We hope that somewhere, some way, the beauties of this iris season are shared by our iris friends who have left their earthly gardens. Fred Bartholomew, John's brother, passed away this winter in New Hampshire. He had been an active robin participant in groups sponsored by flower magazines many years before the AIS program was commenced. John noted that it was his brother who first got him interested in gardening and in irises, as well as in photography and fine music, and in robin work. We knew Fred as one of the world's nicer people (like his brother), and he will be very much missed.

Also missed will be Zerah Maye Brummett, who was killed in a tragic accident in her El Paso, Texas home. Zerah Maye knew and grew all kinds of

# NATIONAL ROBIN PROGRAM DIRECTORY

*National Robin Program Director*

John A. Bartholomew, 35 Pine Grove St., Milton, Mass. 02186

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Mrs. Iris Smith, Box 124, Hitchcock, Okla. 73744

### IRIS PHOTOGRAPHY DIVISION

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irises. Her cultural skill was well rewarded by many show honors. She was one of the important workers in the Historical Iris Robin projects, which seek to find and preserve antiquities in named varieties from becoming lost forever to remain only names in iris literature.

We also will miss Irene Harris of Ashland, Oregon, who had long been interested in the table irises and active in robin participation.

Two of our favorite iris people, David Lyon and Lillian Terrell, are well along the recovery road following serious illnesses. David had a serious heart attack in September, shortly before he and Mildred were to leave for a trip up the Alcan Highway to Alaska. To help speed his complete recovery, we hope that the famous, fabulous Lyon seedling patch rewards him with even finer new irises this spring.

In January Lillian Terrell was hospitalized with a blood clot on the lung, following several bouts of illness earlier. She now is able to be up and around, and is making good progress. Collie is making her behave instead of overdoing in her Eastern Star, church, garden club and robin activities. One of Lillian's garden club programs is receiving wide acclaim. She prepared a program on plants mentioned in the Bible with the text in which each was mentioned, and this has been shared with other club program chairmen. The Lyons and Terrells both express their thanks to all their iris friends who have written to cheer them during their anxious times.

Another irisarian well on the mend is Walker Ferguson, the noted spuria iris breeder. "Fergy," that irrespressible octogenarian, underwent surgery for removal of eye cataracts in December, and spring this year will be a special delight to him as he views the new crop of seedlings in his Escondido, California garden.

### *Iris Breeders Seminars*

A most important Robin Program project is off to a soaring start under the able direction of Bill Carter in Mitchellville, Iowa. Bill, late of the TB robin division, has been named chairman of the Iris Breeders Seminars, and will be most capably assisted by Rena Kizziar of Norfolk, Va., as secretary for this unique project. When the Robin Program first started some nine years ago it was hoped that some method could be worked out by which information on the work done by prominent, accomplished iris breeders could be compiled and preserved for posterity and to aid the hybridizers of tomorrow. Most of the leading iris breeders had become far too busy to participate actively in regular robins as many of them had done in times past. Details of the work they were doing, the stepping stones to ever-finer irises, usually was confined to personal correspondence and occasional articles in the BULLETIN. In a number of instances the details of such work have been lost forever when an Elder Statesman in iris breeding has retired or passed away. The new Iris Breeders Seminars are designed to operate a bit differently from the regular round robins. Small groups of breeders of similar accomplishments and interests are formed for those who have the time and interest to participate in a somewhat robin-like discussion. Those who haven't the time to participate in these groups can contribute periodic reports on their work or introduce topics which they feel could profit by group discussion and experimental work. Such reports are mimeographed for distribution in the Seminars, and as sufficient and conclusive information is developed reports will be compiled and made available to interested AIS members. We hope that the talented iris breeders who have several

introduced irises and a few years of solid accomplishments and experience will write Bill Carter for complete information on the Seminar program and share their priceless records and programs with us. Bill's address: *Mr. W. C. Carter, Box 368, Mitchellville, Iowa*. Already prepared for Seminar distribution are reports by Larry Gaulter, Jim Marsh, Fitz Randolph and Bill Schortman; and others are in preparation. As almost everyone who has been smitten with the iris breeding bug knows, the long-time breeders with fine awarded varieties to their credit, are abundantly generous in helping serious new hybridizers, and in discussing trends in development of different colors or characters. We have high hopes that through this Seminar project we can help the established breeders disseminate this information to many more interested people.

### *Add More Variety*

In trying to decide what new irises to acquire this year, some of the descriptions of favorites last spring might be helpful if you haven't been lucky enough to see them yourself. Joan Lee in Orem, Utah, notes a few of the newer things which bloomed well for her, "ROYAL RUFFLES . . . the most beautiful royal blue with matching beard and ruffled flaring falls, heavy substance and good branching. I'll keep this always." (Joan had noted this as a TB, but it was re-registered as a border iris, and Keith notes that it really should be in the TB class.) "LEMON MINT, an early yellow TB, very wide and smooth and my first TB to open. Very good branching. SATEEN, a TB bicolor with rosy lavender standards, deep purple falls. Wide and reminds one of an 18th century drawing room with the rich plush-velvet chairs and draperies. ROBBIE, a richly colored BB in deep golden brown, a blend of other elusive colors, lacy edges, extremely heavy substance and a long, wide paprika-orange beard."

Phyllis Holtz of Kellog, Idaho, reports on some of the things she enjoyed during her iris junket last spring. At the Schreiners she noted, "CUTIE, white with pale blue whiskers, just as nice as the first time I saw it. TAMINO (Schreiner), pale blue-white, deep rich blue spot, golden yellow beard with a sort of radiation of yellow around the beard. This is approximately 15" to 19" tall, branched, beautiful. At Tom and Opal Brown's in Walla Walla, Washington: BLUE MILLER (T. Brown), an outstanding border iris, pale blue with navy blue beard, good proportions . . . SWEET ALLEGRO (Adelaide Peterson), love it! *Pink pink*, flaring form, lovely in every respect. Looked to be about 20" tall here . . . LILLIPINKPUT (Douglas), a clump about 20" across, a solid mass of apricot-pink bloom. And when I say solid, I do mean *solid!* It was about 16" tall . . . LITTLE DOLLY (Hall), I like this pink too, but not much of it was in bloom; nicely formed, graceful branching and stem. Here at home: Lys Housley's dwarf seedling Q-H-2, deep purple with deeper spot, beard almost matching to light blue. 6", very cute . . . LITCHFIELD (Goett) a dainty plicata, rosy lavender on white, domed standards, flaring falls. Outstanding and neat . . . Homer Metcalf's seedling N-57-1-6, an IB, 11" tall, rosy purple standards, red-purple spot pattern with a border on the standards; orange-tipped white beard; hafts slightly narrow for the size of the flower . . . GOLDEN CUPID, a rich brilliant gold, orange beard, 6" tall, dainty and colorful . . . SNOW ELF (Alta Brown), is still tops for form and beauty to my mind . . . PEARL SHELL (Greenlee), strangely greyed pale blue, white beard. 12" tall, flaring, with neat domed standards. GOLD CADET (A. Peterson), each year this one surprises me with its delicate beauty. In a large clump it's outstanding."

Martha Dangler in Ohio comments on some of her small early irises. "I think



ANGEL EYES is adorable. Of the yellows, BUTTER BALL is still my favorite. It's so dainty and blooms so well. BLUE FROST and BLUE LILT are both pretty but slow increasers for me. The same is true of SPARKLING EYES. GAY LASSIE blooms up a storm and JET PETITE does well. Among the standard dwarfs LILLI-WHITE is lovely in every way. LILLI-YELLOW and LILLI-GREEN both have a tendency to bloom down in the foliage. BRASSIE, GOLDEN FAIR, BARIA, LEMON FLARE and one of my own yellow seedlings are all good yellows. BLUE DENIM and TINKERBELL do well for me but FAIRY FLAX is a slow increaser and bloomer for me. SHINE BOY is a knockout, the most perfectly formed flower.

Hazel Hargis in Idaho comments on table irises and other small ones which are useful for arrangements. We might mention that Hazel's among the many people reporting on the performance of numerous varieties so they can be evaluated on whether they fit the requirements of the miniature tall bearded (table iris) class. From her comments it appears that a number probably belong in the BB class. She remarks on the IB BLUE ASTERISK . . . "Grows tall for me, almost as a TB." CAPRICE (BB), claret red, not MTB, but nice and a delicious fragrance; FLUTTERBY, yellow, a little short, poor form; COLUMBINE, nice, maybe too large for MTB but near; FIOR DEL MONDO, good, fertile, an oldy." (And possibly in the SDB class, Keith notes.) "FRISCOETTE, good, blue-stitched, better color and otherwise than others; GAY HUSSAR, a variegata, really a border iris; JAPANESQUE, 24", small, flat blue; KINGLET, table sized, yellow, poor form but good grower; LODESTAR (BB), a near-table iris, very nice variegata; LORELEI, oldy, diploid, nice; NAMBE, good size for MTB; PRAIRIE GEM, my best yellow MTB; PEWEE, ideal; PARAKEET, homely color, true table iris; SNOW MAIDEN, poor substance, fragrant; TOM TIT, ideal; TWO FOR TEA, very nice orchid" (but a border iris as it generally grows); "TIT-MOUSE, odd, and too 'fat' for MTB; WARBLER, yellow table iris; WIDGET, blue plic, table iris; RHYTHM, small, flat, 6 buds."

We suspect that the above report may tend to confuse those who are not yet familiar with the program of evaluation median iris enthusiasts are conducting to establish which of many older varieties are actually true table irises, because long before this project was under way, many varieties were formerly registered as "Table Irises" and actually now are considered in the border iris class. Also there is a considerable variation in growth habits in various parts of the country.

From Wayland, Mich., Mrs. Albert DeHaan comments on some of the irises she enjoyed last spring. "I saw ELLEN MANOR two years ago. I liked it very much and it had very good form, not too tall, and stood out for a blue. This year we didn't hear too much of MUSIC MAKER. I saw it, and a sister to it, which is much bluer. LA NEGRA FLOR is nice when it gets going. I had a seedling of LA NEGRA FLOR  $\times$  TOP HAT last spring and never had such fine branching on any seedling."

### *Novices in an Iris Wonderland*

We love to read the reports sent in from new robins with new irisarians. Annie Glitsch, our faithful reporter in Woodward, Okla., sends us some delightful ones. What delights us even more is that in almost no time at all the so-called "beginners" (a term we intensely dislike) are old hands at the game. For example, Annie quotes from a letter by Orin Beinhart, Kennewick, Wash., who says, "I don't know a thing about irises . . ." and he goes on to introduce himself to robin members, telling of a party given for him when he recently

retired from the US Postal Service . . . complete with a certificate from the Postmaster General and the best wishes of the President. We might point out that some of irisdom's notables are, or have been, in the post office . . . Paul Cook, Bennett Jones, Frank Hutchings, and even Keith Keppel, to mention a mere few that come easily to mind. It won't be long until Orin knows a *lot* about irises! His robin mate, Hubert Harris, in West Helena, Ark., remarks, "I was told when I started this hobby that irises were easy, hardly no work at all. Darned if that is true, but I love it!"

Delia Munn, in Virginia Beach, Va. has a great surprise in store for her Region 4 iris friends. "I added a number of Lloyd Austin's introductions last year. They were shipped early and were very lovely rhizomes. I ordered FLOUNCED FRIVOLITE, FLOUNCED MARVEL, and SPOONED FLAMINGO, FLOUNCED LOVLINESS, HORNED MYSTERY, HORNED AMETHYST, HORNED SKYLARK, HORNED TANTALIZER, TROPIC ORCHID, DOUBLE ROSE, GIANT CLEMATIS and CLEMENTINA. I have never seen any of these in bloom. I am most anxiously awaiting the view of these oddities in my garden. I have not yet divulged this secret locally. It's going to be great fun to hear the response." And we add that we can hardly wait to hear Delia's report on these unique varieties. The purists might think that some of these novelty irises are "freaks" (like two-headed calves, as one of our scientist-judges remarked), but as long as there are gardeners who enjoy them and grow them, it would be my feeling that some provision for classes in shows be made for them.

### *How To Get Along with the Siberians*

Francis Brenner, Dakota, Ill. remarks on the popular Siberian from Steve Varner. "TEALWOOD was gusted in four convention gardens at Chicago and was blooming in two of these. It is a nice dark iris."

In Spokane, Edith Coffey has a problem with a favorite Siberian. "What can I do to get ERIC THE RED to bloom? Would compost and water help? CAESAR'S BROTHER does so well, I'm really frustrated."

August Phillips, Inglewood, Calif., has another problem. "I got very little seed this year. I have heard others complain that their planned crosses did not take."

And from Mexia, Tex., Florine Gore reports, "Our hot dry summers are hard for Siberians. They die back and have not shown any green shoots yet." Dorothy Spofford advises on this very common feature in Siberians, "Many have this experience and still have flowering plants each spring." (We second this; ours go completely dormant.)

The best time for dividing and transplanting Siberians is another matter much discussed. Dorothy advises, "On divisions ready for fall transplanting, the buds should be evident for next season's growth at the base of the fans. This is the signal that plants are ready to be moved . . . otherwise, they should never be reset after bloom season. Even then, all flower stalks should be removed in order to prevent contact with the ground; tie the foliage to a stake. Early spring, just as the foliage starts, is also a good time to transplant, but it does cut down the bloom and stunts the stalks. However, with a summer's growth to establish themselves they will be typical the following spring."

Jewel Rogers, Yates Center, Kan., "I'll try some spring planting to see if this might cut winter loss in our cold region." And in Bellbrook, Ohio, Leonora Wilkie sounds enthusiastic about this too. "Mine get so matted I have to get someone else to lift them. When I want to give a division away, I simply can-

not cut it out. This way of division should solve these problems.”

Gertie Knock, Sioux Falls, S.D., gives her way of dividing. “In dividing big clumps, I soak them for a while in a pail of water; then they are easy to pull apart.”

To illustrate the different growth characters of different types of Siberians, Dorothy Spofford enclosed slides taken in her garden, to show growth at 1 year, 2 years, and divisions ready to transplant. In *I. sanguinea* and *I. sibirica*, the *sibirica* plant growth is nowhere near as vigorous nor as large as a TB or SDB seedling of the same vintage. This is the time when many Siberian seedlings are lost by grass cutting, weeding, etc. Seeds sown in 1963, left undisturbed, are to bloom in 1965, then rowed out. In the 2-year seedling, a comparison of *sanguinea* with *sibirica* shows the much broader foliage of *sanguinea*, with *sibirica* appearing more immature, despite the same age, and the fact that both have the same number of fans. Both should bloom in 1965. Dorothy noted that Fred Cassebeer, the noted Siberian iris breeder, feels that *sibirica* types are not apt to carry the unusual colors, such as those found in SALEM WITCH, MILDRED PECK, EARLY PEARLY and VIOLET FLARE.

For those unfamiliar with Siberians, perhaps these further remarks from Dorothy will be of interest. “Garden Siberians are generally regarded as hybrids between the east European *sibirica* and the Asiatic *sanguinea*, also sometimes called *orientalis*.” (Incorrectly; *orientalis* is a species of *spuria*.) “*Sibirica* traits are: narrow grasslike leaves with taller flower stalks and seed capsules of an acorn shape. *Sanguinea* traits are: broad leaves, pencil-pod seed capsules, and its flowers are more in the red shades. It is generally believed, however, that the most diverse variations in color appear in plants with *sibirica* foliage; the two types show up in siblings from the same seed pod and it is readily observable in the same seedling row.

“Siberians are not extensively grown in many sections of the south. One of our Siberian robin members lives on the northern tip of the North Island of New Zealand where it is sub-tropical, and she can grow Siberians very easily, and also the *spurias* and Japanese irises, but the bearded varieties do not thrive for her there. Since the southern states here are nowhere as near to the equator as New Zealand, it can't be the hot weather that prevents their flowering well. After carefully considering the pros and cons, I have come to the conclusion that whereas New Zealand is small with sources for plants never far from the grower, and operating under similar climatic conditions, we in the US are far flung; many of our nurseries carrying Siberians are in the cold north where it is essential to ship early in fall while it is still summer in the south. Plants received in the south come into conditions with which they cannot cope, so even if they survive they do not thrive. Possibly if plants were received in spring, southern growers would have better results.”

Peggy Edwards, Massapequah Park, N.Y., comments on the problem some gardeners find with some Siberians. “I will bet the trouble with those Siberians that turn yellow and sulk is that the soil probably is neutral or even alkaline, or else dry. They do need an acid soil and plenty of water in spring and early summer. They like winter cold and seem to do their very best in Canada and the northern states. Generally they aren't very tolerant of too much heat.”

### *Iris Publications*

Robert Roland Smith, Pleasant Hill, Calif., is a delightful man with abundant curiosity about all plants and nature; his job takes him away from home fre-

quently into areas where he can study California's wild flowers, and for relaxation he finds immense pleasure in doing research on irises and sharing his findings with all of us. He presently is working on an extended check list of the Siberian irises. We plan to report on this in more detail in July Flight Lines, but Bob makes a comment on material he finds valuable in *The Siberian Iris*, bulletin of The Society for Siberian Irises, an AIS Section devoted to this group of plants. We wonder if all irisarians are aware that there are many such special iris publications available, and at extremely low cost for membership. *The Siberian Iris*, the Spuria Iris Society *Newsletter*, *The Medianite* published by the Median Iris Society, the bulletin of the Society for Japanese Irises, and the *News Letter* of the Aril Society International are all published quarterly. The Aril Society has an especially fine *Year Book*, as does the Dwarf Iris Society with its annual *Portfolio*. The Spuria Society recently has published a Check List of varieties, and the Median Society has just come out with a translation of the notable Prodan papers. For information on these extra iris publications and where to obtain them write to the AIS Sections listed in your AIS BULLETIN. In addition to the publications devoted to special irises, there are some very fine ones published by the foreign iris societies which welcome American members. The most notable probably is the *Year Book* of the British Iris Society. Information on these overseas societies also is available from the St. Louis office of AIS. Many of the AIS Regions have marvelous publications. To mention a very few of them: Region 11's annual Bulletin, Region 14's bi-annual Bulletin, Region 1's fine Bulletin, and the publications of Region 17, 18, 4, 21,—we hesitate to start listing them for surely some of the fine ones will be omitted as we write without referring to a complete list. For those who are keen on the reblooming irises, *The Reblooming Iris Reporter* is invaluable reference. It is edited by Edwin Rundlett who also edits the very fine Empire State Iris Society *Newsletter*. As noted, this listing of other publications available is most incomplete, but mentioned because some of you may be unaware that there are so many supplemental publications for your iris library. Judges and those who hope to become judges should most certainly add to their skill in judging by subscribing to as many as possible.

While mentioning publications, we might again mention the revision of Prof. Sidney B. Mitchell's *Iris For Every Garden* edited by Molly Price, who also is working on a new book on irises. And Charlotte Gantz, division director of Median Robins, authored a delightful book, *Discovering Nature*, which Bee Warburton so appropriately remarks is "a simply fascinating sort of autobiography of a naturalist in the making." Your book store or library will have them or order them for you.

### *Memos for Photographers*

A couple of brief items for iris photographers . . . Earl Roberts reports his new Contraflex Super B camera is a real honey. "No need to wonder if I have the correct exposure or if my light meter is right; that is all automatic. All I do is get the picture in focus and fire. Have used several boxes of slides and they are certainly beautiful pictures. Of course, the exposure must be correct and the best time usually is between 10 A.M. and 3 P.M. Personally I prefer a partly cloudy day for slides as colors are more true."

Dorothy Spofford mentions that KIMAC slide protectors are ideal to protect slides which are being sent around in robins.

## *Arrangements and Exhibitions*

Some bits and pieces of comments which may interest you arrangers and exhibitors! From Dorothy Spofford again: "Seed pods of *I. pseudacorus* should be quite valuable for winter bouquets. When dried they do not lose their green color and the creamy white lining of the pods provides good contrast. All the various forms of *pseudacorus* have names but I am familiar only with that of the pale variety; I have the one called *I. pseudacorus bastardii*. This is so nearly white that many would describe it as white. You can always differentiate *pseudacorus* from similar plants by cutting the root; it is always pinkish; some call it flesh-colored. If your plant doesn't show this it is not *pseudacorus*."

Marie Bozievich, Bethesda, Md., says, "In eastern shows many arrangements are displayed in niches so that each arrangement is displayed to advantage, instead of on tables. The dimensions of the niches are stated in the show schedules."

Mildred Johnson in Salt Lake City: "Our state show used niches this past year. They had most attractive paper for backing . . . silver, but very dull, which looked much like good linen."

Lillian Bourne, Barberton, Ohio, reports that she got many Siberian irises this past year especially for use in arrangements at her local iris society show. Nelson Burlingame, California, Mo., suggests painting bottles for shows and arrangements with a new crystalizing paint which can be purchased from hardware and ten cent stores (there *is* such a thing as a 10¢ store these days???) . . . applied to coffee cans or bottles, etc. It makes beautiful vases, Nelson notes.

### *Set Seedlings Soon!*

It seems that more and more hybridizers would rather switch than fight—switch to planting early instead of fighting the heat, that is. Joe Getty, Fair Lawn, New Jersey, tells why he is planning on making the change. "I've had my share of seedling losses due to hot weather arriving before the plants had an opportunity to establish themselves. After seeing the wonderful increase and growth one of our local hybridizers achieves by lining out seedlings in early May, I'm tempted to try his method. Of course his seed is encouraged to germinate early, for he uses a coldframe heated by an electric cable. By early May he does have good sized plants, plants quite able to root well before the hot weather arrives. The nicest thing about this method is that there is no carry-over of unbloomed seedlings. You see nearly 95% of the seedlings the first year; the other 5% is unimportant, unless the cross is a difficult one."

Half a continent away at Rich Hill, Missouri, Judy Bell also advocates early planting. "We set out our seedlings while they are quite small, just as early as we can work the ground. We usually have a dry July, so if we get seedlings out in early May they are going fine by July."

On Long Island, N.Y., Peg Edwards says, "I've never really trusted young seedlings in the open over winter, yet I've had occasional delayed seedlings which come up in the fall and most of them came through the winter nicely. But they had come up in the ground, not in a pot or flat, which may make the difference."

### *To Mulch or Not To Mulch . . .*

. . . that is the question. From Chicago, Tom Buckley reports on the possible relationship between rot and low-nitrogen mulch. "The frequently expounded theory that excess nitrogen causes rapid growth and consequent soft tissue in

iris, making them susceptible to soft rot, may be only a part of the total picture. U. S. Department of Agriculture microbiologists, G. C. Papavizas and C. B. Davey, working on the problem of root rot fungus of beans, discovered that the important factor in control is a high carbon to nitrogen ratio (between 30-1 to 80-1), favoring a high population of micro-organisms that destroy root rot fungus. Experiments in various soil types showed that the application of nitrogen fertilizers even temporarily dropping the carbon to nitrogen ratio to 10-1 or lower decreased the number of beneficial organisms. Working shredded oat straw, a material low in nitrogen, into the soil brought about conditions that effectively suppressed the destructive organisms.

Tom continues, "Mindful of the fact that soft rot in iris is bacterial in origin, it might yet be true that the micro-organic environment of the iris is at least as important a factor in rot as the condition of the tissue. I note that in the two years that I have been mulching with rotted wood—over rhizomes and all—I have had no rot in the mulched plants—all of them "rotters" from past experience in my garden—and with the increased use of organic materials almost none at all in my entire garden. What appears from my experiments is that the organic mulch with an inactive organic material is not a danger to the TBs, even to those with a long history of persistent rot in my pre-mulched garden. It would be to sanguine a conclusion to say that this *inhibits* soft rot because it is only part of a totally organic program now in progress, and its particular contribution is hard to assess."

Owen H. Boy, Waupaca, Wisconsin, gives his views on the subject of mulching. "Mulch does seem to be misunderstood by too many flower growers—this includes many who have tried it and also many who don't understand just what it is supposed to do. When it is applied properly, it is a real life saver; when applied indiscriminately, it can cause much damage. I use a mulch primarily as a means of conserving ground moisture in the dry days throughout the summer. This means I will use a straw mulch around all new plantings when it gets very dry. If the weather changes and there is much rain, it then becomes necessary to remove the mulch from around the rhizomes so that an excess of moisture does not remain around the rhizomes for any length of time. The mulch will not be put back on the plants unless it becomes very dry again. This method of adjusting the moisture content of the soil does lead to excellent increase in new plantings. There are many materials to use for mulches; I stick mainly to straw for economy."

From Los Angeles comes a note of warning from Barbara Serdynski. "If anyone uses bean straw for mulch, he should be very careful as to the source of supply. Much of the bean straw is harvested in a rather crude manner, with the roots baled along with the tops. This type of straw can carry nematodes and, unless one is careful, soil can become infected without realizing the source."

And some let nature do its own mulching. Judy Bell writes, "We place the iris which we like too well to discard (but not well enough to slave over) in a border which is, by all instructions, too near trees. The cedars shed on them, oak and maple leaves drift lightly on them. In the spring we rake and give a bit higher nitrogen fertilizer to this area than to the rest, and the irises grow and bloom."

### *True Confessions*

While we wish no one ill luck in his battle with the borers, it is always a

bit consoling to know that others still have things to learn, too. Tom Buckley is still learning, as he readily admits. "With utmost confidence I have used my trusty penknife in the iris garden, and any borers appearing next year I would have blamed on my neighbors. Pride, they say, goeth before a fall, for in digging and dividing I found four very mature borers, all of them about ready to pupate. What I have learned from this—aside from a little humility—is that a borer can be present in a rhizome without any overt sign. On CASCADIAN, PATIENCE, and *I. pseudacorus* there was no sign whatever of the entrance of a borer into the foliage of the affected rhizome. My records showed that I had found borers in those clumps, though I was sure I had gotten all of them. Evidently a borer *can* leave one fan and enter directly into the rhizome of an otherwise untouched part of a clump, and the foliage of such a rhizome will not betray its presence even when the rhizome is half hollowed out. Careful examination showed that entrance at or about ground level had been accomplished in all three cases. . . . Whether there are any mature borers left in my garden I don't know for sure. In inspecting all rhizomes for softness I checked also for borers, and I found none. But I'm not going to be so cocksure about it again in the future."

And speaking of *Keith's* True Confessions, as we went to press the California phytosanitary inspectors had not yet caught up with co-editor Keppel. He is still at large, but in view of his blatant admission (p. 85, January 1965 Flight Lines) that he had sent termite-infested rhizomes to non-believers, probably through the U. S. mails, since he works at the post office, it seems highly likely that if the plant inspectors don't nail him, the postal inspectors will. If he has any friends, we suggest they start looking up their recipes for cakes reinforced with the proverbial files.

However, *this* report (I swear I did not make it up!) from Eunice Smith in Quinlan, Texas, should make termites and almost all other garden pests pale by comparison. Eunice states, "Armadillos are about the only thing that get into our irises. They root under the plants and eat the roots. Since we've used the trusted rifle on them I haven't had much trouble. Moth balls have been recommended to keep them away. I have used these around the edge of the iris beds and the armadillos haven't bothered the plants lately."

### *The International Situation*

The exchange of news and views from various parts of the globe is always interesting, and Charlotte Gantz' Median-International robins are no exceptions. Lucy Delaney, Nelson, New Zealand, comments on the air-lift of seeds from half-way around the globe. "From the last seed you sent us (sown January 29) some seedlings came up by February 16. These were from ((SULINA x NANA) x sib)." How's that for fast germination! Lucy goes on to say, "My lilliputs have never been as tall as they are listed to be. I don't think I have ever had one over 10", and the dwarfs usually are shorter than listed, too. CHERRY SPOT would be no more than 4" here."

Also from Nelson, New Zealand, comes the following cheer for late-flowering dwarfs. Gladys Watson writes, "Some condemn the flowering of the smaller types with the TBs, but we are finding here that these irises have their place under certain climatic conditions. There are areas at the south of the South Island that suffer from disastrous winds in late October and November, the months of the TB flowering peak. Witness the result at a recent convention! Yet on display was a table full of lilliputs with flowers in remarkably good

condition, considering that they had just suffered from 4 inches of snow and a devastating hail storm. The iris growers of this area are finding these late flowering dwarfs the answer to these conditions."

From England comes the following information from Donald Patton. "GREEN SPOT podded well again with a couple of tall and also (I think) with *I. kumaonensis*, which is a species I flowered for the first time this past year; of course it is possible that a bee got there first, but I am hoping. The plant of *I. kumaonensis* was grown from seed and it gave but one flower this past year. It was a great surprise as the leaf fan did not seem to have any flower buds coming, but suddenly one day I found a fat bud pushing up from ground level, for all the world like a *reticulata* bud. This opened one morning and faded the same evening. Luckily I had taken a photo in the morning. The iris is a dark blue with the mottling that you get on the evansias, with a white beard. The flower is large for the plant."

He goes on to evaluate some of the American medians seen in the British Isles. "I was pleased with several new American varieties which flowered for the first time. Of these I was especially pleased with BLUE DENIM, which is a delightful blue standard dwarf. It flowered profusely, as also did GOLDEN FAIR, which is very popular with those who have seen it. They are both vigorous growers in our climate. Proportion and shape must be sought after in medians. In this respect MOONCHILD gets full marks from me."

Taking up the subject of aril-meds, Syd Lawrence, Victoria, Australia, tells of his success to date. "One of the first to germinate was a cross of POGO  $\times$  ((KALIFA KABUL  $\times$  (JALLAH EFFENDI  $\times$  KALIFA BALTIS))). The 1962 cross of POGO  $\times$  (L'AHMID  $\times$  (IMAM AHMID  $\times$  BEISAN AGA)) gave excellent germination and it seems certain that I will bloom at least 14 of its seedlings this spring. The plants show good form. It only wants good bloom now to confirm my earlier opinion that POGO is an excellent pod parent for arilbred pollen. Other median-arilbred crosses I made in 1963 were: DALE DENNIS  $\times$  (BLACK JOPPA  $\times$  KALIFA GULNARE); PINK DEBUT  $\times$  CAPITOLA; and CLOUD FLUFF  $\times$  ASOKA OF NEPAL. The cross involving CLOUD FLUFF was particularly pleasing, as four pollinations with ASOKA gave four good pods. I was very pleased with the dwarf and median bloom last season and on the form shown, I intend to make extensive use of POGO, GOLDEN FAIR, FOREST GLADE, and LILLI-RICHTONE for my arilbred crosses in our coming bloom season."

Returning to America, the robin stopped off at Olmsted Falls, Ohio, while Rita Ingham described a happy cross. "I had fine results this spring with five seedlings from a MELODRAMA  $\times$  SPRING JOY cross. They were the loveliest standard dwarfs I ever had, simply marvelous form and substance, and great variation. One had white-based standards and falls, with a cream rib on the standards and yellow veins tracing out from it—extremely fine veins not visible when you were standing up—then the falls had a metallic yellow-brownish spot on the white falls, with a cream edging all the way around, and a very bright orange beard; crests cream, styles white. Very colorful. Then there was a light blue, a dark blue, and two other creamy white ones like the above—all of the finest form, but *few buds!*"

### *Smalls from Tall*

Many breeders are working the tall bearded lines, trying for border bearded or even miniature tall. To pull down height and size, *pumila*, *balkana*, *aphylla*, and other factors are being added. Bee Warburton, Westboro, Massachusetts,



writes, "One of my approaches to breeding small border bearded is from (44 ch. x 48 ch.) x 48 ch. I know this will do it, as the small factors from *pumila* seem to linger, but fertility is hard to break through. I find with the 44 chromosome things that although their pollen looks fertile, it almost never makes a strike. I have these very smalls blooming in TB-time . . . not as small as I intended, but a good, small border size. Can't grow them in enough quantity to get segregation of their potential good qualities, but I keep trying . . . eventually we will get a break-through."

She adds, "I don't know why I can't keep the *aphylla* branching in the pinks from *aphylla*. I keep trying, but in their second or third year they just plain coarsen up. Best were with FLEETA, which I think will be a good parent for small irises. In the red *aphylla* derivatives, I am having best results with EDENITE . . . gives gorgeous, clean bright coloring. I have these well segregated, but don't know what they'll turn out to be, classification-wise."

Ben Hager, Stockton, Calif., tells how he has revised his thinking. "I once said that miniature tall could not be gotten from tetraploids because they would lack the daintiness. I have proven myself wrong with the help of such things as PAGODA and some *aphylla* x TB seedlings of my own. I now think that, as a group, the miniature tall will soon burst forth as fast as the border irises have done. MTB breeding stopped almost dead still when the diploid breeding came to a halt. Very little of consequence has developed since then. The species classed as MTB size (*aphylla* excepted) will probably not help as they have little to offer for progress and practically all the old faults."

Up Portland way, Bennett Jones is getting some interesting seedlings, both in border size and tall size. Although these cross notes refer to borders, the color inheritances described would be the same for tall, so should be of interest to TB buffs as well. "Cross B15—(FRENCHI x CUTE TOMATO) x (a small orange from FRANCES KENT x MARY RANDALL). Intense orange color was the thing in these seedlings. Some had yellow as a base and in two there was green to enhance the orange. Form was good. Most were 26-29", too tall for anything but further work, and that is what happened to them. I saved two or three and I look forward to working with them. I expect something from them, and am quite interested in blending yellow-green with orange."

And another Jones cross, "B13—(157, involving SPINDRIFT, JEB STUART, and COURTIER) x (591, a small seedling from SPANISH AFFAIR x MARILYN C.). I had twenty-five seedlings of this cross, but wish I had more. Saved four and used the pollen a good bit. Two I saved were bright apricots, two had rosy-peach at the haft and far enough down the falls to be suggestive of a spot pattern. I sibbed these two to see what can be done about furthering this pattern. Size and height were good in this cross; flower form was very good. I liked this one very much."

In Albert Lea, Minnesota, Rev. Eldren Minks is trying for reds at the tall bearded level. "I have an iris breeding program going that may soon provide some rather startling results in the red series of tonal values. I have been using ruffled pinks and oranges on the reds to clean them up. The next two years should produce a few surprises." Although many of us shudder at the thought of mixing these colors, Rev. Minks is already well known in daylily circles and is doing some promising things with the hems. We're hoping that his luck runs over into the iris patch as well!

## *Shape up . . .*

. . . or ship out, Barb Serdyski is warning her rhizomes these days. She writes, "While dividing and resetting irises the past several years, I have been trying to determine if there is a difference in the shape, or type, of rhizome to replant in order to get the best increase and growth. After much study I came to a definite conclusion, and in order to verify my theory I consulted several large commercial growers who have been in the iris business for years. All agreed with my findings: when selecting rhizomes for resetting, increase will be far better if you choose rhizomes which are wedge shaped or more or less triangular (or as Tom Craig would say, the rhizomes with nice, wide hips) rather than the long, blunt-nose type of rhizome. In checking the roots, select rhizomes which have a good strong root system all the way to the fan. This is the place where new growth will begin and if this area is devoid of roots, or even half bald, the rhizome is more likely to make very poor growth or bloom out."

(I'm inclined to agree with Barb's findings, but will add one more note. I like the rhizomes which develop from deep-set plants—the rhizomes, which look like carrots grown at a 45° angle. Increases really pop along the long, tapered lower portion.—KRR.)

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### HOW TO JOIN AN AIS ROBIN

Applications for Tall Bearded Robins should be sent to the National Program Director. For membership in other divisions, application may go to the National Program Director (advising which divisions you wish to join) or to the chairman of the division in which you wish to enroll. The Irises in General, General Hybridizing and General Medians Divisions are recommended for fairly new irisarians wishing to gain broad general background on those topics. Regional Robin applications may be sent to your own Regional robin representative, the National Director or the division chairman. For names and addresses of National Robin Program personnel please refer to the directory above.



GAILY CLAD '63, J. Nelson



CRYSTAL RIVER, Plough '64

# Fantasy

ETHEL JOHNSON

The time is early February. The place is an isolated stump ranch at Squaw Mountain in northwestern Oregon. The sun is a very faint glimmer (for a change) in the sky, and Sonny hurries in after his brief excursion outside and exclaims, with a voice fraught with excitement, "Mama, I saw the strangest light in the sky. I'll bet it was John Glenn in his space capsule!"

"Don't worry, Sonny, that is just the sun. Seems like I saw it once, a long time ago, too; but I can't remember when it was."

With a sigh of relief Sonny starts for the school bus, leaving Mama free to inspect her iris bed to see what a long rigorous winter had left intact.

Going to the first bed, near the back entrance, she pauses reverently before her initial inspection begins.

Upon inspection she finds a huge mound of wood ashes smack in the very center of the bed. She remembers, a little guiltily, that morning two weeks ago when she sat down to look at that nice, new colored iris catalog and had been so SPELLBOUND that Papa had to take out ashes at night; and Sonny's bicycle, Papa, ashes, ice on the walk and a DARK KNIGHT do not make for a happy situation.

Further on, by the side of the woodpile, she found utter confusion. While hauling wood in January the old Model T had got stuck and off went the wood on MADAM MOHR, FRANK ADAMS, DR. BOB, BALLET DANCER, WINSTON CHURCHILL, ADMIRAL NIMITZ and BROADWAY STAR. With a sigh of resignation, Mama takes off her coat and one hour and several unprintable remarks later, he is rescuing some mighty bedraggled characters, especially BALLET DANCER, who has gotten her fans completely demolished. Wondering sadly how any BALLET DANCER can perform without her fans, Mama goes to the back bed with a dim hope that "maybe next year??"

The back bed is near Sonny's football field, and on the far side things are greening up nicely, except for the part mulched with "those nice fir needles that are going to waste." There the fans are yellow and look like last year's hopes, tattered and torn. Gingerly, Mama pulls the mulch back. Her hand returns cold and clammy, as if she had broken an egg in her palm. Digging on, a big fat slug gracefully breaks the surface and tries to dive again, but Mama neatly decapitates him with her trowel.

Nearer the football field, Sonny has made several (off limits) forward passes which have made MAJORETTE, DRUM MAJOR, THE GUARDSMAN and BANDMASTER look as if they had played in their last TOURNAMENT game.

A huge snowflake strikes Mama's cheek, and she thinks, "It's getting colder; Papa will be home for lunch. We'll have DARK CHOCOLATE and CINNAMON TOAST, but that LITTLE VILLIAN may have FROSTED CUPCAKE and CUSTARD. Bless him, by MAYTIME I will be THE MAD HATTER as this late snow is driving me DAFFY.

The last I saw of Mama, she was in the RAINBOW ROOM talking to her BLUE PARAKEET, counting her GOLD SOVEREIGNS, and in the dimness of the BLACK FOREST, THE WITCH DOCTOR, CHIEF POKING FIRE, PAGAN PRINCESS, PRETTY QUADROON and ZULU WARRIOR were having a FIRE DANCE with HOT MUSTARD, COOL LEMONADE, TABASCO and PAPRIKA for refreshments.

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(Jane Phillips x unknown) Seedling 60-1. TB .....\$25.00  
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Just for the sake of the record: Correct the name in the January Bulletin. I really have not changed my name; it was an error that was not caught in proofreading.

---

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## 1965 INTRODUCTIONS

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((Cahokia x Meiss 177c) x Cliffs of Dover) x Swan Ballet)

Large white self, warm as southern hospitality. Superior test grade. Blooms here at magnolia time, late. In the north it blooms with the last mediums. An iris enthusiast said, "When I think of a white iris, I think of MAGNOLIA TIME."

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((Sable x Black Hills) x (Night Spot x Pierre Menard)) x Night Spot x Dusky Night))

Dark blue-grape self. Prolific. Not large, not small; not short, not tall; blue flare calls all. A gardener's delight; a judge's consternation. One said, "I declare! I cannot find one thing wrong with it."

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- PRETTY POISE 1965.** Large, deep pink self with pink beard. Wide, flaring and ruffled. Good substance. Fine, deep green foliage. Well branched. 38". EM. Seedling 60-15-1. HC '64. ....\$25.00
- SPANISH GIFT 1965.** Bright orange with deep orange-red beard. Wide, ruffled, flaring falls. Well branched. Large, strong stalk. 36". Seedling 60-16-1. ....\$25.00
- GAY WHISPER 1965.** Light yellow standards, flushed pink. White, flaring falls. A well-branched iris with many buds. 36". Seedling 60-14-3. ....\$25.00  
All three irises above .....\$60.00

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# Reflections

MAYNARD KNOPF

On a winter day such as this, with the ground wet and frozen, with snow on the hills around and a nice warm fire in the fireplace, it seems to be a good time to reflect on the successes as well as the mistakes of the past seasons.

Have we come upon anything new that's worthwhile? Have we learned anything to pass along to others?

From our observations, we believe early separation and planting of irises to be better than later planting. If (and this is a very big IF), the proper care is taken in their culture.

Here we have learned to plant all iris on ridges at least six inches high. This puts the rhizome above any water that may collect above ground during the wet season, also giving more workable ground to cultivate, for the soil does not run together as when the water sets heavy on it.

Now the most important factor in planting an iris is to be sure it has enough moisture to start new roots growing as soon as planted. The soil must be packed firmly around the rhizome so there are no air pockets left to dry out the new roots as they start. Inside two days you should have new roots starting and within a week the plant will be well rooted. From this time on keep the plant moist but not saturated; then if possible withhold the moisture and let the rhizome harden and be ready for the winter. This procedure should start about four weeks before the first freeze. With early started plants it sets its bloom where you see it the next spring, and the bloom is better.

We also have had very good luck with later planting, using the same procedure. It also is a mistake to think irises cannot be planted during hot weather. We have found planting with the temperature of 100 degrees plus only starts the plants off faster. However, care must be taken not to allow the rhizome to get dry. It is really surprising how fast new roots take hold during hot weather.

No discussion of iris is complete without considering the health of the plant. First, we need the proper growing elements, plenty of nitrogen, phosphorous and potash, with the other trace materials *available* to the plant. We underscore available because you may have a rich soil in these elements and still not have them available. Without moisture, plants cannot pick up the mineral salts from the soil. Without the active soil bacteria (found in humus), the food elements do not become available to the plants. Given moisture and available food elements, the plants should grow strong and beautiful. The stronger the plant the less trouble you will have with rot, leaf spot or any of the other diseases that bother our wonderful irises.

*Maynard C. Knopf is an enthusiastic and successful grower of irises. He lives in Potter Valley, California.*

## **PRESENTING 8 NEW JAPANESE IRIS for 1965**

<b>BANNERS ON PARADE</b> (Fred Maddocks) fuchsia red. ....	Net 15.00
<b>CENTER OF INTEREST</b> (Maddocks) vivid purple & blue. ....	Net 10.00
<b>EVENING EPISODE</b> (Maddocks) serene lavender & blue. ....	Net 10.00
<b>GEISHA GOWN</b> (Maddocks) veined rose on white. ....	Net 10.00
<b>MY HEAVENLY DREAM</b> (Violet Worley) fuchsia rose. ....	Net 10.00
<b>PLEASANT JOURNEY</b> (Mrs. R. A. Rich) violet & white. ....	Net 10.00
<b>PURELY ORNAMENTAL</b> (Maddocks) veined on silver. ....	Net 10.00
<b>TENDER TRAP</b> (Ben R. Hager) opalescent pastel. ....	Net 10.00

For more COMPLETE DESCRIPTIONS send for our FREE 1965 CATALOG.

Featuring: Tall Bearded Iris at special prices; Spuria, Louisiana, Siberian and Japanese Iris.

### **MELROSE GARDENS**

**Dept. 2A Rt 1 Box 466**

**Stockton, Calif. 95205**

---

**LA LINDA.** #68-62. Brilliant empire yellow. Falls are lighter, with border of deep empire yellow. 34" Sass 53-413 x Butterhorn .....\$25.00

**PINK TIGER.** #88-61B. A dusky pink with falls veined dark rose-pink. Heavy red beard. 33" Sass 55-26 x Sass 53-19 .....\$20.00

**AUTUMN BLAZE.** #205-61 (In the process of registration) Smooth golden-tan blend, nearly a self, with red beard. 34" From several generations of brown x pink crosses .....\$20.00

**LOOK TWICE.** A miniature dwarf. 3". Perky, flaring red-violet; bitone effect due to deep thumbprint spot covering most of falls. Beard is white. Balkana x pumila seedling. .... \$ 5.00

### **EL DORADO IRIS GARDENS**

**500 EAST LOCUST ST.**

**EL DORADO, KANSAS 67042**

*The home of TEA APRON, MOONGATE, and BLUE DESIGN*

*Write for list of our introductions*

FERRIS D. GASKILL

MARGARET GASKILL

**INTRODUCING FOR 1965**

**MIDWEST MORNING #62-23**

Each—\$20.00

Brilliant large light pink self with white tipped full red beard. From two carefully selected Dave Hall pink lines. Nicely ruffled flower with closed standards and semiflaring falls. Excellence of plant, stalk and bloom earned a record 42 votes for HC in 1964. Fertile both ways. Medium to late. 34"—36".

**MIDWEST MAGIC #62-17**

Each—\$20.00

Parentage: D. Hall 56-10 (Silverstone x Frost and Flame) x D. Hall 58-20, sib to Brilliant Star. Pure white with full red beard. Touch of ruffling in the large full flower, closed standards, nicely held falls. Extended pedigrees reveal seeming magic in combining the best of Hall and Fay breeding. Hailed by qualified judges as a real advance in plant, stalk and flower. HC 1964. Fertile both ways. Early to medium. 36"—38".

We are prepared to supply healthy well-grown rhizomes of a select group of tall bearded irises. Write for price list to:

**GREENBRIER FARM**

*(Est. 1939)*

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**O. T. and CLARA BAKER**

**ANNOUNCE**

OUR REGRETS TO THE MANY FRIENDS WHOSE ORDERS ARRIVED TOO LATE LAST YEAR TO OBTAIN OUR 1964 INTRODUCTIONS OF COOING DOVE AND LIGHT OF LOVE

AS OUR STOCK NOW SEEMS ADEQUATE WE AGAIN ARE OFFERING THESE OUTSTANDING PROGENY OF WAYWARD WIND

**COOING DOVE**—HC 1961. Pictured page 42 July 1963 BULLETIN. Unusual dove gray color break. Standards and falls edged in light olive, with influence of blue on falls. Light olive beard and haft; no veining. Closed standards. Wide hafted flaring falls. Excellent branching. Fertile both ways. EML. 35". (Snow Flurry x Sylvia Murray) x Wayward Wind .....\$20.00

**LIGHT OF LOVE**—HC 1963. A sensation in our 1963 convention garden. Brilliant orange-yellow self. Deep orange throat and beard. Perhaps the most intense color to date. Large flowers with closed standards and wide hafted flaring falls. Fertile both ways. EML. 34". Butterscotch Kiss x Wayward Wind .....\$20.00

**COMBINATION OFFER—BOTH FOR** .....\$35.00

7650 West 4th Avenue

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## PRESENTING OUR 1965 INTRODUCTIONS

EPIC (Sanford Babson) for the meglomaniacs; a different blue. ....	Net 25.00
TATTOO (Sanford Babson) deep yellow; brown hafts. ....	Net 25.00
FORMAL FASHION (Collie Terrell) deep violet self; wonderful form. ....	Net 25.00
WINGS OF MORN (Collie Terrell) sib to HOSANNA. White blushed pink. ....	Net 25.00

For more COMPLETE DESCRIPTIONS and PARENTAGES send for our FREE 1965 CATALOG listing selected Tall Bearded Iris at special prices; Spuria, Louisiana, Siberian and Japanese Iris.

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Stockton, Calif. 95205

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## NEVA SEXTON'S IRIS GARDEN

1709 THIRD STREET, WASCO, CALIFORNIA 93280

COUNTY DOWN (Sexton '65) ML. 36" (Cream Crest x Moon River) A rich glowing cream self. Large, exquisitely formed flower of very heavy substance and smooth clean, completely unveined finish with extra broad heavily ruffled, perfectly domed standards and wide, flaring, gracefully ruffled falls. The flowers are perfectly placed on beautiful stalks, strong, tall and even more accurately branched than those of its parents. COUNTY DOWN . . . a truly "beautiful" iris .....	\$25.00
ARTIST'S DREAM (Sexton '65) M. 36" (Lake Isabella x Happy Deb x Rococo) This is very large, broad petaled and heavily subtanced, with full, domed, ruffled standards and wide, round, and nicely ruffled semi-flaring falls. The standards are white bordered orchid violet. Throat, haft, and style arms darker violet. Wide thick white beard. Falls are white. Dark purple based foliage. Perfectly branched stalks that display the many flowers to perfection. ....	\$25.00
MOON RIVER (Sexton '63) M. 36" Antique gold self. H.C. '62 H.M. '64.....	\$15.00
SMALL TALK (Sexton '63) M. 30" White and orchid plicata .....	\$10.00
RUTH'S LOVE (Sexton '62) EE. 40" Yellow and white .....	\$ 7.50
PINK n' PRETTY (Sexton '62) M. 36" Peach pink self.....	\$ 7.50
NEW FRONTIER (Sexton '62) M. 40" Light pink with a darker beard .....	\$10.00
BY REQUEST (Sexton '62) M. 40" Blue white with blue beard. H.M. '62 .....	\$ 5.00
HAPPY DEB (Sexton '62) M. 36" White ground plicata bordered blue. Blue beard .....	\$ 5.00
EARTH ANGEL (Sexton '60) ML. 40" White with white beard. H.M. '61.....	\$ 5.00
PACIFIC PANORAMA (Sexton '60) ML. 40" A deep sea blue with white beard. H.C. '60, H.M. '61, A.M. '63. Runner-up for Dykes Medal '64.....	\$10.00
MIXED EMOTIONS (Sexton '59) ML. 36" Bluish green fading to a pearly tint. Stigmatic lip blue. H.M. '59.....	\$ 3.00

ORDER DIRECTLY FROM THIS LIST. RHIZOMES WILL BE TRUE TO NAME  
AND DISEASE FREE. GIFT IRIS WITH EACH ORDER.

CALIFORNIA CUSTOMERS PLEASE ADD 4% SALES TAX.

## MEDIAN IRISES

### Introductions—1965

**FUNTIME**—SDB. 13" (Karachi × Welch H503). Bright yellow-gold, no orange tone; white to yellow beard. Ruffled stds., wide, rounded, flared falls .....\$8.00

**ROCKETEER**—IB. 15" Jaunty variegata type from unusual pink-bred lines, i.e., (Intermediate: Lilligoldput × SDB: Red Spot). Gold stds., light brown falls edged gold. Gold haft and midrib. Orange beard. Sets seed.....\$8.00

**ROYAL EVENT**—IB. 20" (Violet Harmony × Papan Midget). Deep red-purple self, violet-purple beard. Wide velvety falls. ....\$10.00

Previous Introductions: SDB-MOONBLAZE '64; SKY TORCH, BABY SNOWFLAKE, BOUFFANT BABY, PRETTY PINAFORE, GREEN OLIVE, all '63.

Intermediates—GAILY GOLDEN '64; PINK REWARD, FROSTY LEMONADE, '63; PINK FANCY, SWEET ALLEGRO, etc.

Prices and information on all median introductions of Peterson and Douglas on request.

**MRS. R. E. (ADELAIDE) PETERSON**

**Hill Road, Brentwood, Tennessee**

### SEE-FINE GARDEN MARKERS

Ideal, permanent, inexpensive flower and nursery markers. Perfect for tall and short Irises, mums, roses, etc. Hybridizing or other information can be put on underside of hinged tag.

Marker tags are made of 26-gauge galvanized iron 1¼ X 3½ in. Are held at 45° angle. Corners are rounded. Stem is #8 galvanized wire (1/6" diam).

PRICES PER MARKER F. O. B. LEWISTON

— LENGTH OF MARKER —

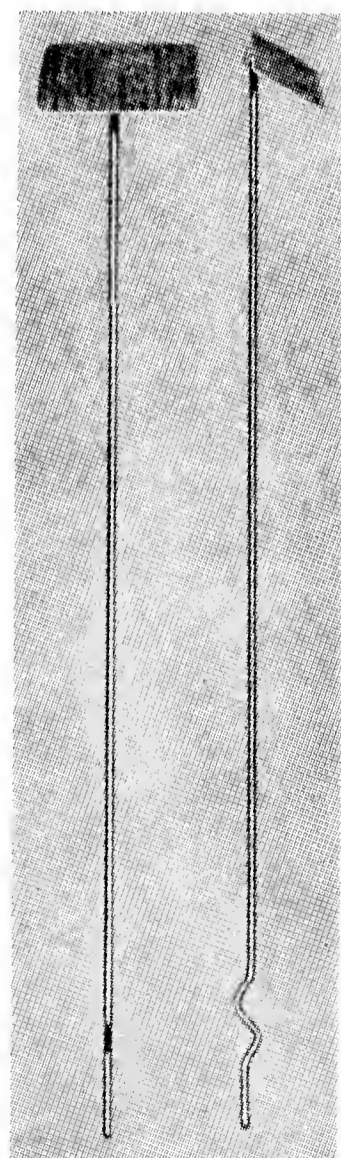
Quantity	13 inch	20 inch	26 inch
1 to 24	11c	11½c	12c
25 to 199	10c	10½c	11c
200 to 499	9c	9½c	10c
500 to 999	8c	8½c	9c
1000 and over	7c	7½c	8c

*Write for free circular on shipping, weights, terms, and See-Fine Pen for permanent lettering.*

**NORMAN AND ELSIE PURVIANCE**

**SEE-FINE MARKERS**

**1817 12TH AVE., LEWISTON, IDAHO 83501**



**Discriminating irisarians grow SIBERIANS**

***Buy the best . . .***  
**1965 INTRODUCTION**

**MANDY MORSE** (Spofford). This fine new one from Dorothy Spofford is predominantly Hyacinth Blue (BCC 40/2) with standards slightly lighter in shade. Falls have a prominent white patch, and contrasting light style arms give the large, showy flower a striking effect. . . . . **Each \$7.50**

**PREVIOUS INTRODUCTIONS**

**PIROUETTE** (Cassebeer '64). Clear medium blue with broad, flaring falls and short upright standards. Style branches light blue. H.C. '63. **Each \$8.00**

**PLACID WATERS** (Cassebeer '62). Large even-toned blue. Fine clump effect. HM '63 **Each \$5.00**

**VIOLET FLARE.** (Cassebeer '60). A unique violet self with stiffly flaring falls. Tall and very floriferous. HM '61 **Each \$4.00**

**BLUE BRILLIANT** (Cassebeer '60). The brightest clear blue in our collection. HM '61 **Each \$4.00**

**WHITE SWIRL** (Cassebeer '57). The impressively different white that has been acclaimed by all. HM '58. Morgan Award '62; AM, RHS '62 **Each \$3.00**

*Send for complete pricelist of Siberian iris*

**CASSEBEER IRIS NURSERY**

**414 STRAWTOWN ROAD**

**WEST NYACK, N. Y. 10994**

***The Cherry Lane Gardens***

***of GLENN F. CORLEW***

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***Present New for 1965***

**CAROLANDS** **\$25.00**

Artfully blended melon-like tones of coral, apricot and pink combine in a flower of delightful form and heavy substance. Standards are domed and firmly held above broad falls highlighted by a mandarin red beard. Thirty-two inch stalks hold the blossoms well above the small, attractive foliage. Sets seed readily and has occasional pollen. A personality Iris for the midseason garden. Sldg. 193-3B (Party Dress x Native Dancer) x Lynn Hall.

**SIGNATURE** **\$25.00**

The flush of pastel pink radiating from the center of the flower and the subtle touch of cream suggest gleaming and delicately tinted alabaster. A warm white beard, tipped soft orange, completes the pleasing harmonies of this pastel beauty. The firm standards and flaring falls are broad and heavily substed and the delightful ruffling adds a distinctive note. Thirty-eight inch stalks bearing 2 or 3 buds per socket produce a succession of blooms from early through midseason. Handsome blue-green foliage. Fertile both ways. Sdlg. 101-2A (Snow Gold: Snow Flurry x Cherie) x Ballerina. Region 14 Seedling Cup '64, EC '64, HC '64.

*Visitors are always welcome to view our planting which includes an up to date selection of named varieties along with our own seedlings. In addition, we are pleased to feature the latest and future introductions of Joseph J. Ghio and Keith Keppel.*



## ECHO HILL GARDEN'S 1965 INTRODUCTIONS

**SEABORNE** (Sdlg. 9660B) A large light medium blue possessing unusually heavy substance and pleasing symmetry of form. A ruffled self with tightly held standards and broad, almost horizontal falls. Good branching, sturdy stalks and a vigorous grower. Beard white tipped lemon. Fertile both ways. Visitors to the Denver Botanical Garden, after convention, will recall its beauty.

Late                                      36 inches                                      HC 1963                                      Net \$25.00

**PETITE SIREN** (Sdlg. 5760A) An orchid-violet with pink toned beard. It's an airy iris of graceful form and wonderful substance. Both the wide flaring falls and arched standards are frilled and laced. Floriferous and a dependable garden performer.

Medium Late                                      20 inches                                      HC 1964                                      Net \$15.00

### 1964 Introductions

**CHARM SCHOOL**—Fluted white and cream .....\$22.50

**QUEENS FAVOR**—Ruffled violet self .....\$22.50

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*Iris List on Request*

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ALL ALUMINUM WITH REMOVABLE ALUMINUM NAME-PLATE  
NOW IN FOUR SIZES

Sturdy, non-rusting . . . just the thing to make identification attractive and permanent. Separate aluminum nameplate is quickly inserted; can be written on in pencil.

Size (A) 7" x 3" x 9½"  
(B) 1" x 3" x 18"  
(C) 2" x 3½" x 14" (2 Rivets)  
(D) 2" x 3½" x 18" (2 Rivets)

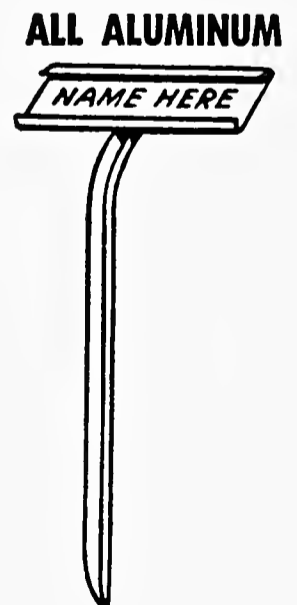
Prices . . . . . Post Paid

Add 10% west of Mississippi River

	A	B	C	D
100	\$7.50	\$12.50	\$15.00	\$16.00
50	4.50	7.50	8.50	9.00
25	2.50	4.50	4.75	5.00
10	1.25	2.50	2.75	3.00

EXTRA NAME-PLATES, per 100, \$1.25

Youth Opportunity is a non-profit organization of teenagers. It provides them with needed part-time employment. Youth Opportunity is under the supervision of a Red Feather organization.

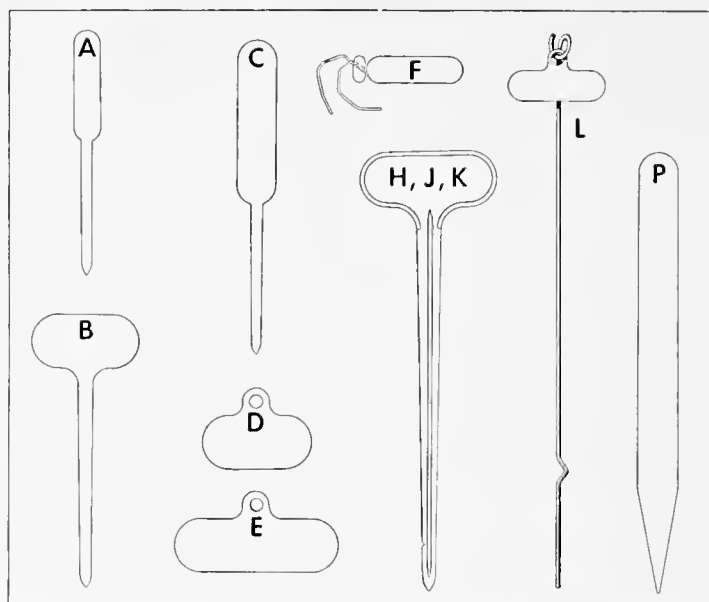


## YOUTH OPPORTUNITY

901 FINDLAY STREET                      ●                      CINCINNATI, OHIO 45214

# Lifetime Plastic Plant Markers

Here is a PLANT MARKER that we can recommend to all IRIS GROWERS. Permanent, will not rot, easy to read, easy to write on with ordinary soft lead pencil and it remains clear and plain even if covered with soil over winter. We have made the test and we know this to be true. The writing can be removed with scouring powder



and the label can be used over and over. Remains neat and clean and requires no painting. One of the things we like best is the saving in time required to prepare labels at planting time.

The tie-on tags are popular with those who wish to fashion their own steel stakes from heavy wire. They are most satisfactory and economical for hybridizing records as the writing always remains readable and the tags can be cleaned and used year after year.

PLANT MARKERS MAKE WELCOME GIFTS FOR GARDENER FRIENDS

## POSTPAID PRICES

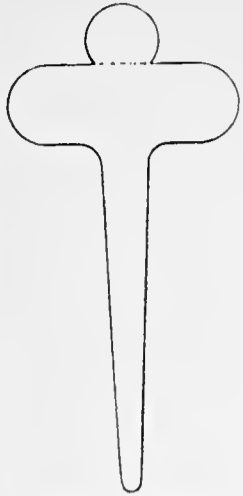
	25	50	100	500
A—4 1/2" Vertical Pot Stake .....	\$	\$ .75	\$ 1.25	\$ 5.50
B—2" x 5" Border Stake .....		2.00	2.75	11.00
C—6" Vertical Stake .....		1.50	2.25	10.00
D—2" Tie-on Tag .....		1.35	2.00	9.00
E—3" Tie-on Tag .....		1.60	2.40	10.50
F—2" Notched Tag, white only .....		.75	1.25	5.00
H—2 1/2" x 8" Tee Stake .....	1.60	3.00	5.00	21.00
J—3" x 12" Tee Stake, white only .....	2.75	5.00	9.00	37.50
K—4 1/2" x 18" Tee Stake .....	4.50	8.00	15.00	67.50
L—(Discontinued)				
P—1" x 12" Vertical Stake .....	2.25	4.00	7.00	26.00

Sample Assortment: 10 each of A, C, D, F, and 5 each of B and H for \$1.00  
Weatherproof Pencils ..... 2 for 35¢; 6 for 90¢

Note: All styles available in white and spring green except Styles F and J. Copper wires supplied with Style D, E and F Tags.

## Gable Iris Gardens

2543 38th Ave. So., Minneapolis, Minn., 55406



4" TEE STAKE

# SOMETHING NEW

## This new 4" Tee Stake

available in  
Pure White and Spring Green  
and

## The new Thriftee Plant Markers

available in  
Pure White, Spring Green, Yellow, Orange,  
Red, Pink and Sky Blue Plastic, except as shown.



THRIFTEE

Just the thing for labeling African Violets and Potted Plants. Greenhouse owners and plant growers are buying them by the thousands. Will not curl, rot, rust or mildew. Ordinary soft pencil markings remain clearly legible despite weather, water, fertilizer and soil-chemical action. Easily cleaned with household cleanser and a damp cloth.

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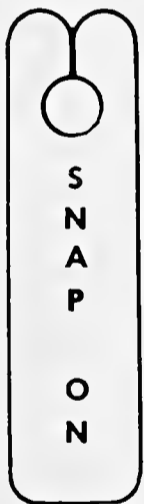
THRIFTEE MARKERS	100	250	500	1000
7/16 in. x 3 in. All colors		\$1.00	\$1.60	\$2.50
5/8 in. x 4 in. " "	\$.75	1.55	2.50	3.90
5/8 in. x 5 in. " "	1.00	2.30	3.65	4.80
5/8 in. x 6 in. " "	1.15	2.55	4.10	5.40
5/8 in. x 8 in. Spring Green or White	1.45	3.00	5.40	7.20
4 in. TEE STAKE " " or White	1.50	3.25	6.00	9.00

Be sure to specify color wanted.

Assorted colors 60¢ per 1000 extra.

SAMPLE ASSORTMENT: 125 Thriftee Markers for \$1.00

## HYBRIDIZERS, ATTENTION!



Why fumble with strings or wires on tags? This new LIFETIME plastic SNAP-ON-TAG speeds up hybridizing. Snaps on. Stays put. Saves time. Easily cleaned for re-use with household cleanser and a damp cloth. We use the square Snap-on Tags in our iris and daylily display gardens. The tags are snapped on under the flowers next to the paths so garden visitors can see name and price.



SNAP-ON TAGS	100	250	500	1000
3/4 in. x 3 in. White, Yellow or Red	\$.90	\$1.75	\$2.80	\$4.30
2 in. x 2 in. White or Spring Green	1.50	3.00	4.80	6.85
PLASTIC TREE LABELS (Wires Attached) For labeling iris rhizomes.				
5/8 in. x 3 1/2 in. White only	1.50	3.00	4.80	7.00

WEATHERPROOF PENCILS 2 for 35¢; 6 for 90¢

## Gable Iris Gardens

2543 38th Ave. So., Minneapolis, Minn., 55406

# A N N O U N C E M E N T S

## MEMPHIS CONVENTION SCHEDULE

Friday, May 7. 12:00 NOON. Registrations start

Friday, May 7. 7:30 P.M. Boat ride with catfish dinner

Saturday, May 8. 7:30 A.M. Buses load for garden tours

Sunday, May 9. 9:00 A.M. Buses load for garden tours

Monday, May 10. 7:00 A.M. Buses load for garden tours

Monday, May 10. 8:00 P.M. Banquet

*Refer to October, 1964 Bulletin, p. 28; and to January, 1965 Bulletin, pp. 10-12, for other information about the Memphis meeting.*

## WIENER INTERNATIONALE GARTENSCHAU 1964

The following awards were won by American breeders.

*Honorprize of the City of Vienna in Silver*

Schreiner for hybridizing tall bearded Irises

*Honorprize of the City of Vienna in Bronze*

Schreiner for the best black iris—"Licorice Stick"

Schreiner for the best red iris—"Jungle Fires"

Mrs. Reynolds for the best rose iris—"#30W"

*Gold Medal of Bundesverbandes*—(Association of Societies)

Mrs. Reynolds for "Fluted Haven"

Mrs. Warburton for "Sky Caper"

*Silver Medal of Bundesverbandes* (Association of Societies)

Schreiner for "Cutie"

Schreiner for "Rococo"

Mrs. Warburton for "Golden Fair"

*Bronze Medal of Bundesverbandes* (Association of Societies)

Mrs. Hamblen for "Ruffled Pinafore"

*Silver Medal of Bundesverbandes* (Association of Societies)

Mr. Payne for Kaempferi iris "Great Mogul"

*Bronze Medal of Bundesverbandes* (Association of Societies)

Mr. Payne for Kaempferi iris "Konfetti Schauer"

Fayetteville, Tennessee, May 15 (Saturday). Iris Garden Judging Jamboree, in Bill Bledsoe's garden at 1:00 P.M. Location: seven miles south of Fayetteville, Tennessee; eighteen miles north of Huntsville, Alabama. Just off US Highway 231-431. Signs will show where to turn. Guest judges will be present from several regions, even from the West Coast. All AIS judges and members are invited. This will be an opportunity to compare judging techniques from different parts of the country.

A Judges Training session will be held, as part of the Region 14 convention, in Porterville, Calif., on April 25, following a 7:30 A.M. breakfast. Mr. Larry Gaulter, Chairman of the AIS Judges Training, will conduct the school.

## Are You a Judge?

MRS. WALTER H. BUXTON, *Awards Chairman*

If you are an AIS judge, you are one of the two kinds of judges accredited by the American Iris Society—a garden judge or an exhibition judge. Your Awards Chairman is responsible for the tabulation of the ballots cast by the garden judges. You were appointed by your Regional Vice-President subject to the approval of the Board of Directors. When you accepted this honor you also accepted some responsibilities, for it is your votes which determine which irises receive the various awards named by AIS.

Great thought should be given to filling in your ballot. Have you actually seen the iris growing? Did it measure up to the standard of what a "good iris" should be? Have you read carefully the instructions on the printed ballot? Do you know to which type the iris belongs? Your ballot will not count if your vote is listed in the wrong category. By this we mean that your vote for a TB must be under the awards for tall bearded irises; and likewise, listed under the proper category for other kinds of irises.

It will help greatly if you list irises alphabetically, for this speeds up the tabulation.

When voting for an HC, have you given the correct number of the seedling, the name of the hybridizer, and the type?

Be sure to read your copy of the *Handbook for Judges*. Here you should find the answers for your questions.

Remember that your Awards Chairman does not know what is in your mind; she knows only what is written on the ballot—if it can be read.

*We asked Mrs. Buxton to write this reminder to judges as a service to judges and to hybridizers, for many of the votes cast cannot be counted because of mistakes or because of illegibility. In the hurry of a complex life, all of us need to give that little extra attention that makes our votes count.*

### **RESEARCH MEMBERSHIPS as of Feb. 8, 1965**

Mr. Homer N. Metcalf, Bozeman, Montana.

Delaware Valley Iris Society, Reading, Penna.

Mrs. Anne M. Long, Boulder, Colorado.

Mr. Ira E. Wood, New Providence, New Jersey.

Mrs. Ira E. Wood, New Providence, New Jersey.

### **SUSTAINING MEMBERSHIPS as of Feb. 8, 1965**

Dr. Charles E. Branch, Piper City, Illinois.

Mr. Orville W. Fay, Northbrook, Illinois.

Mr. Richard Goodman, Riverside, Illinois.

Mrs. Richard Goodman, Riverside, Illinois.

Mrs. Norman J. Gross, Russell, Kansas.

Dr. Philip A. Loomis, Colorado Springs, Colorado.

Mrs. Philip A. Loomis, Colorado Springs, Colorado.

Mrs. Douglas Pattison, Corona del Mar, California.

Mr. Jake H. Scharff, Memphis, Tennessee.

## OFFICERS OF SOCIETY FOR SIBERIAN IRISES

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*Vice-President:* Mrs. John Withers, Mandan, North Dakota

*Secretary:* Mrs. Merrill S. Johnson, Salt Lake City, Utah

*Treasurer:* Dr. William McGarvey, Oswego, New York

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Mr. Ben R. Hager, Stockton, California

Mrs. F. W. Warburton, Westboro, Massachusetts

### *Additions and Corrections to Judges Lists*

#### **REGION 5**

G RVP Mrs. C. C. Chapman, Williston, S.C.

#### **REGION 12**

E Mrs. Townley Brian, Ogden, Utah

#### **REGION 14**

E Mrs. Alfred B. Walters, Rio Linda, Calif.

#### **REGION 15**

G Mr. Ralph Johnson, Phoenix, Ariz.

#### **REGION 17**

G Dr. Clarence P. Denman, Fort Worth, Tex.

G Mrs. E. L. Raney, Dallas, Tex.

G Mrs. H. O. Wilson, Bangs, Tex.

#### **REGION 18**

G Mrs. Marvin Olson, Webster Groves, Mo.

#### **REGION 22**

E Mrs. J. P. Crawford, Oklahoma City, Okla.

G Mrs. L. M. Limpus, Spencer, Okla.

E Mrs. Rex White, Lawton, Okla.

#### **REGION 24**

S Mrs. Reuben Sawyer, Jonestown, Miss.

G Mrs. Giles P. Wetherhill, Huntsville, Ala.

### *Additions and Corrections to HC Awards*

#### *Originator*

Bartholomew, Hazel

Bledsoe, W. T.

Brizendine, Roy

El Dorado Gardens

Lucky, F. S.

Neugebauer, J. F.

Patin, Jules

Palmer, Dorothy

Palmer, Dorothy

#### *Seedling or Variety*

58-12A, not 58-124

63-61, not 63-81

B 37-61, not B32-61

68-62, not 62-82

TB L-1-432, 5 votes

LA Louisiana Sambo, 6 votes

LA PY 36-62, 6 votes

135-63A, not 136-63A

5760A, 7 votes

## BULLETIN DEADLINES

All copy for the July BULLETIN should be in the office of the editor by May 15; all copy for the October BULLETIN should be in the hands of the editor by August 15. If we are to get a BULLETIN out on time, this is imperative.

## HERE AND THERE

The Akron Area Iris Society presented a copy of *Garden Irises* to the Garden Forum of Greater Akron for their library, where it will be available to members of all affiliated garden clubs.

“Your January Bulletin was most interesting—first, to meet the eye, the clever and heart-warming sketch. Then in your “Flight Lines” my eye caught the name of Hazel Stewart in San Jose, California. My mind went back to a summer day in 1963 when I was visiting in San Jose and passed a garden beautifully kept and completely planted in irises, with neat rows of ‘tombstones,’ which meant to me that a real iris ‘bug’ lived there. So we stopped to admire the irises, and after an hour of iris talk, came away with a box full of iris rhizomes. Yes! It was Hazel Stewart, and I remember now that one of the first questions she asked me was, ‘Do you belong to AIS?’”—  
AGNES C. MEYER.

## HISTORICAL

Mrs. Anne Metress of Onalaska, Washington, sent to us a copy of the 1933 price list of the Ringwood Gardens of Clinton, Iowa. It is an interesting document, in that it not only lists and describes the iris greats of that day, but also the official rating given by AIS at that time for many of the varieties.

These price lists and catalogs out of the past could be a significant addition to the historical files of the Society.

## REGION AND STATE MEETINGS

REGION 18, Kansas City, Mo., May 15-16

REGION 21, Omaha, Nebr., May 23

## REGISTRATIONS FOR 1964

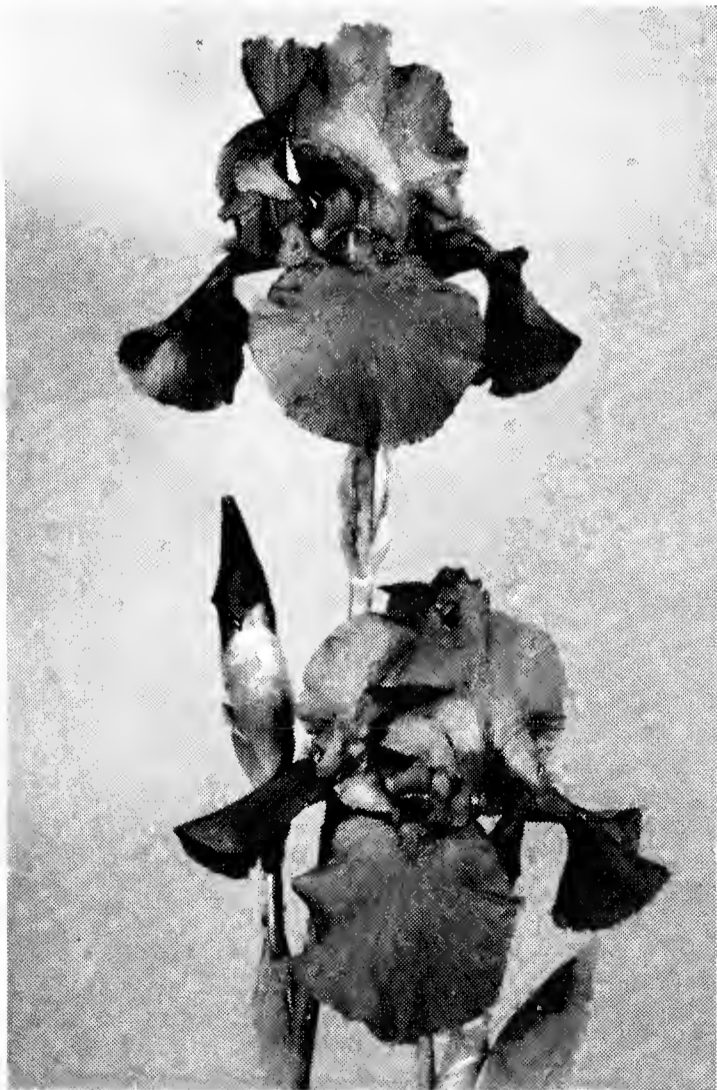
The copy for the *Registrations for 1964* has been detained unavoidably, and we hope to have this as a supplement for the July BULLETIN.

## IRIS SHOW DATES

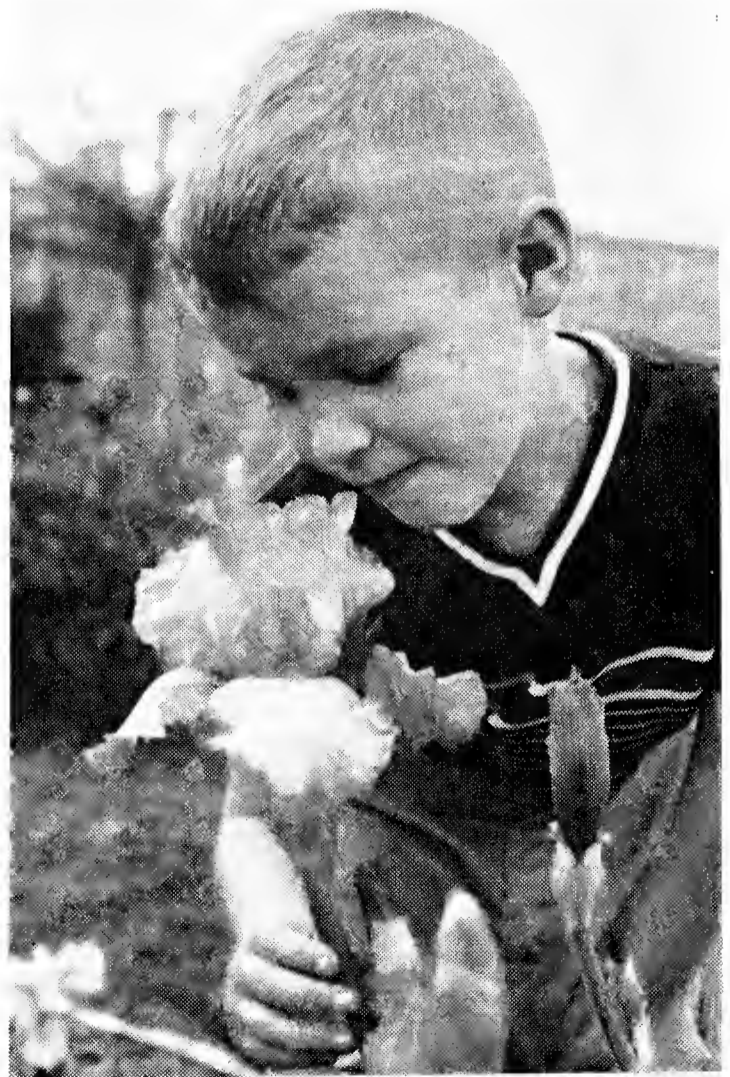
Birmingham, Ala., Harrison Park Community Center, April 17-18  
Birmingham, Ala., Municipal Auditorium, April 24-25  
Gadsden, Ala., Municipal Auditorium, April 28-29  
Gadsden, Ala., Municipal Auditorium, May 1  
Guntersville, Ala., Carlisle Park School, April 25 or May 2  
Huntsville, Ala., Huntsville Utility Bldg., May 2  
Huntsville, Ala., Dunnivant's Mall, May 2  
Tarrant, Ala., Tarrant Recreation Hall, May 1-2  
Tuscon, Ariz., County Fair Restaurant, April 10-11  
Arcadia, Calif., Los Angeles Arboretum, May 2-3  
Bakersfield, Calif., Kern County Fair Grounds, April 24-25  
Escondido, Calif., Continental Plaza, April 20-30  
Gridley, Calif., Fairgrounds, May 1-2  
Modesto, Calif., McHenry Village Mall, April 22-23-24  
Oakland, Calif., Lakeside Park Garden Center, May 1-2  
Redding, Calif., Crocker Citizens' National Bank, April 11  
Redding, Calif., United California Bank, May 2  
Redlands, Calif., April 10-11  
Riverside, Calif., Armory, April 24-25  
Sacramento, Calif., Sacramento Garden and Arts Center, May 1-2  
San Diego, Calif., Balboa Park, May 2-3  
San Jose, Federal Bank, May 1  
Ukiah, Calif., Fairgrounds, 2nd week in May  
Buhl, Idaho, Buhl Elementary School, June 5-6  
Hutchinson, Kansas, State Fair Grounds, May 9  
Wichita, Kansas, April 24  
Wichita, Kan., Wichita Heights High School, May 8-9  
Louisville, Ky., Highlands Women's Club, May 15  
Shreveport, La., Louisiana State Exhibit Building, April 19  
West Springfield, Mass., Eastern States Exposition Grounds, June 5  
Allen Park, Michigan, May 29  
Lansing, Mich., Francis Park, May 22  
Minneapolis, Minn., Southdale Garden Court, June 5-6  
Jackson, Miss., Riverside Park Club House, April 23  
Jackson, Miss., Deposit Guaranty Bank Bldg., April 24-25  
Kansas City, Missouri, median and aril show, May 1  
Neosho, Mo., Farmers Auditorium, May 15-16  
Washington, Missouri, St. Francis Borgia High School, May 16  
Lexington, Nebr., High School, May 22  
Henderson, Nev., April 23-24  
Las Vegas, Nev., Convention Center, April 24-25



Albuquerque, N. M., Sears Roebuck, Coronado Center, May 2  
 Albuquerque, N.M., Flower Show Bldg., May 8-9  
 Oyster Bay, New York, Christ Church Parish Hall, May 29  
 Charlotte, N. C., Cotswold Shopping Center, May 1  
 Akron, Ohio, Fairlawn Park Garden, Civic Center, May 29-30  
 Mansfield, Ohio, Kingwood Center, May 29-30  
 Edmond, Okla., April 29  
 Miami, Okla., Court House, May 8-9  
 Woodward, Oklahoma, Civic Center Building, May 8-9  
 Dallas, Texas, April 22, 1965  
 El Paso, Texas, Chelmont State Bank, April 17-18  
 Grand Prairie, Texas, First National Bank, April 17  
 New Braunfels, Texas, Eden Home Recreation Center, April 10  
 Odessa, Texas, 1621 Ridgecrest, April 20  
 Wichita Falls, Texas, April 24-25  
 Salt Lake City, Utah, State Capitol, May 29-30  
 Clarkston, Wash., Youth Activity Center, May 19  
 Seattle, Wash., Greenlake Fieldhouse, May 29-30  
 Spokane, Wash., Interstate Fairgrounds, June 5  
 Milwaukee, Wis., Mitchell Park, June 5-6



PRINCE INDIGO (Schreiner)



Johnny Rusk with Nate Rudolph's  
ORCHID BROCADE



# *THE IRIS CLINIC*

Please write your questions concisely, with all pertinent data needed for an answer. We will try to get the answer of an expert, or publish the question and invite responses from our readers who have practical and successful answers to the questions. We publish your name and address, and we will find that some of our readers send answers directly.

We will publish a limited number of letters to the editor. These should be short, not to exceed 150 words, and be confined to one topic of general reader interest.

“With reference to Mr. W. E. Ouweneel’s inquiry about photographing blue irises, I would like to suggest that the answer appears in the January 1955 AIS BULLETIN, in the article entitled *The Kodachrome Blues*, by W. F. Scott, Jr. In short, if Mr. Ouweneel will acquire the two Wratten color correction filters 82B and 82C, and will use them in connection with his camera, using a compensation of one and one-half stops, he will find that he can photograph blue irises with quite authentic color. I believe that other photographers will support me in saying that no color film has yet been manufactured that will consistently record the true color of blue irises unless filter(s) of some sort is (are) used.”—JOHN C. BARTHOLOMEW.

As a result of the “Your AIS Membership Gives You” several people, including Norma C. Day, have written expressing an interest in the Youth Program. It is our hope that we can publish in the BULLETIN in the near future the program this committee is developing. Mrs. Day’s son, Tom, who is twelve, is an excited irisarian, and one of the steps which helped him to become an irisarian was his winning of the Best in Show Award of the entire horticultural division at a local flower show with his stalk of VIOLET HARMONY.

There have been four requests for information about nematodes. We hope that someone with practical or scientific experience will contribute an article to the BULLETIN.

“Jake Scharff’s article in the April BULLETIN strikes a responsive chord in this community. . . It is my contention that as a popularity poll the Symposium should not consist only of preselected varieties. I am sure that some favorites of the average members were perhaps marketed even before there were any AIS awards. . . . It would seem to me not so much desirable to have another poll as to revise the rules of the present ones. Eliminate all

restrictions on the Symposium, in which case it would be truly a measure of what the 'average' iris grower likes best. Extend the Judges' Choice to include all AM irises still eligible for the Dykes Medal, in which case the resulting list would in truth be the best of the newer sorts for the benefit of the reading public in upgrading their purchases. . . . Timorously."—ALLEN HARPER.

"There is one subject I should like to read more about in our fine BULLETIN, and that is information on culture, particularly diseases. I should like to see more in print about what is being done in the way of research. In fact, after reading Mr. Carney's 'From the President's Desk,' I am tempted to write him a fan letter—would be my first."—ROBERTA TORREY.

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 Miss Nadine Yunker, Taycheedah, Wis.

## *Request*

IRENE SILFIES

Lord, if when my work on earth is through  
 I find myself called home to you,  
 Will you grant one small request—  
 An make my heaven Iris blest?

May I have a garden there,  
 With other gardeners to share  
 The beauty of the Fleur de Lis:  
 Symbol of Thy Trinity?

May I find beloved things  
 Like Azure Skies and Russet Wings?  
 All the iris, new and old,  
 Within the gardens of Thy Fold?

Send Wabash, The Admiral, and Minnie C.  
 Desert Song and Chivalry,  
 Ruffled Song and Starshine too—  
 Winging my soul on its way to You!

## HOW TO REGISTER AND INTRODUCE AN IRIS

These instructions apply to the registration of all classes of irises *except bulbous irises*.

1. Write to our Registrar-Recorder, J. Arthur Nelson, 3131 North 58th St., Omaha, Nebr. 68104, for a registration blank, enclosing check for the registration fee payable to the American Iris Society.

2. The registration fee is \$2.00 for each iris. For each transfer of a name from one iris to another the fee is \$4.00.

3. Select a name which has not been previously registered, which can be submitted for approval when you write for the blank. If you will first look in the Check Lists and the annual reports of the Registrar since 1959 to see if the name has been previously registered, you will save time for yourself and for the Registrar. Please also suggest an alternate name. Mr. Nelson will hold an approved name for a short time to enable you to complete the blank and send it back, but *a name is not registered until the registration blank is filed and approved by him*. A registration certificate will then be sent to you.

4. Names should follow the rules established by the International Horticultural Code, and the following names shall not be admissible:

- a. Names of living persons without the written permission of that person.
- b. Names of persons including forms of address. (That is, JANE DOE, not MRS. JANE DOE.)
- c. Names including numerals or symbols.
- d. Names beginning with the articles "a" and "the" or their equivalents in other languages unless required by linguistic custom.
- e. Abbreviations unless required by linguistic custom.
- f. Latin names or latinized forms. However, the AIS custom of using part of the Latin name of a species, namely, the specific epithet as part of the cultivar name when this seems appropriate, shall be continued.
- g. Use of trademarks or copyrighted names unless previously in common use.
- h. A slight variation of a previously registered name.
- i. Names containing more than three words.
- j. Names which exaggerate or may become inaccurate. (e.g., HEAVIEST LACE, TALLEST BLACK.)

5. Previously registered names may be re-used provided (a) the original registration has not been introduced or distributed by name, (b) does not appear by name in later parentage registrations, and (c) the new registrant furnishes the Registrar with a written statement of permission from the previous registrant.

6. Names will not be released as obsolete unless there is proof that no stock now exists and that the iris was never used as a parent.

7. Make parentage records explicit, and include seedling numbers when possible. Color descriptions should be concise, and the designation, conforming to the latest Iris Color Classification of the Committee on Exhibitions, should be included.

8. Classifications of bearded irises will conform to the rules outlined in the January 1958 BULLETIN, pages 9-17. Height and season of bloom are most important. These classifications may be summarized as follows:

- |                                  |  |
|----------------------------------|--|
| 1) Miniature Dwarf Bearded (MDB) | Less than 10"—early blooms.  |
| 2) Standard Dwarf Bearded (SDB)  | 10" to 15".  |
| 3) Intermediates (IB)            | 15" to 18"—hybrids of dwarf x TB—bloom between dwarfs and TBs.           |
| 4) Miniature Tall Bearded (MTB)  | (Table irises.) 15" to 28"—slender, flexuous stalks, with small flowers. |
| 5) Border (BB)                   | 15" to 28"—shorter irises of TB parentage.                               |

6) Tall Bearded (TB) 28" or more.

9. **Introduction.** An introduction is an offering for sale to the public. Catalogs, printed lists, and advertisements in the American Iris Society BULLETIN, are acceptable mediums of introduction. It is a requisite for the awards of the Society above that of High Commendation. *A variety is not eligible for these awards until one year after it has been recorded with Mr. Nelson.* Send him a copy of the catalog, list, or advertisement by first-class mail and he will acknowledge that fact that it has been recorded.

## Iris Slides for Rental

*The American Iris Society maintains numbers of excellent sets of iris slides for rental. Each set contains 100 slides, 35mm size. A list of the names of the irises accompanies each set. Ideal for a program for your iris meetings and garden club meetings, these slides are a fine way to study the new irises. Are you considering, or would you like to see, some new irises? What better way than to rent a set of slides and keep informed on the newer varieties.*

*For that additional program fill-out the following sets are offered:*

- ... Set of the newer tall bearded irises, including many of the recent award winners—top favorites—and selected garden scenes.*
- ... Set of various bearded species and hybrids, other than tall bearded, including standard dwarf, intermediate, table, and border bearded types, and some very special slides of the arils in various types.*
- ... Set of various bulbous irises including reticulatas and juno irises. Also many species and hybrids of the beardless family including: Crested, Louisiana, Western natives, Spurias (including some of the most recent spurias just out), Siberians, and Japanese.*
- ... Set of the ever popular, less expensive, fine bearded irises that have stood the test of time and grace any garden with their beauty and excellence.*
- ... Set of irises at the AIS convention in Denver 1963. For those who could not go to Denver here is a picturization on film of many, many of the very newest irises. See them in the comforts of your own meeting room. Yes, you'll see new irises, gardens, and intimate glimpses of some of the iris personalities who attended the Denver convention.*

*Requests for slides should be made well in advance for proper scheduling, preferably 30 days or longer. Include a second date if possible. Give the exact date desired so that slides can be sent insured airmail. They are to be returned in the same manner. The rental fee is \$5.00, payable in advance, for each set of 100 slides. Make checks to the American Iris Society and mail with your request to:*

ROBERT SCHREINER, Chairman, Slides Committee,  
Route 2, Box 301, Salem, Oregon, 97303.




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MEMPHIS

MAY 8, 9, 10

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BOTANICAL GARDEN

BULLETIN of the

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APRIL, 1965

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(March 15, 1965)

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- Mrs. Pelham V. Cooper, 1503 Laurel Road, Carlsbad
- Mrs. George W. Coppedge, 5826 Corbin Ave., Tarzana
- Mrs. John Coscarelly, 2173 Willester Ave., San Jose 24
- Glenn F. Corlew, 2988 Cherry Lane, Walnut Creek
- Clarke Cosgrove, 8260 Londen, San Gabriel
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- Mrs. W. H. Craig, 4022 Liggett Drive, San Diego 6
- Mrs. Alan H. Critcher, 1385 Canada Rd., Woodside
- Mrs. Loretta Crocker, 4749 Redland Drive, San Diego 92115
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- Mrs. Norma S. Crouch, 1811 San Pedro Ave., Berkeley 7
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- Mrs. J. C. Cruise, 35090 Ave. G, Yucaipa
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- Charles E. Wise, Wakarusa 46573
- Leo A. Zelasko, 26070 State Rd. #2,  
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- Mrs. Anna Mary Zile, RR 6, Box 83,  
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ville 7

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70601
- Howard-Tilton Memorial Library,  
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Mrs. John A. Pennington, 3611 W.  
103rd St., Bloomington 55431

Douglas Peterson, Wheaton 56296

Allan Postier, 2403 12th Ave.,  
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Rev. J. William Rossiter, 214 W.  
Anna St., Fairmont

Mr. & Mrs. Stanton C. Rudser, 2548  
Douglas Drive, N., Minneapolis  
55422

Mrs. Hugo Schulz, R. 1, Garfield  
56332

Mrs. M. C. Senne, R. 1, Fairmont

Wilbert G. Sindt, 1847 N. McKnight  
Rd., N., St. Paul 55109

L. R. Smith, 516 Truman Ave.,  
Owatonna

Stover Gardens, 7014 Fourth Ave.,  
S., Minneapolis 55423

Raymond W. Suhr, 420 W. Luverne,  
Luverne 56156

Mrs. George Thomas, 2125 Glen-  
hurst Rd., Minneapolis

Harold Thomforde, Box 372, 841  
Groveland Ave., Crookston 56716

Twin City Iris Society, Mr. C.  
Sacco, Librarian, 1984 Snelling  
Ave., St. Paul 55113

John Waldoch, Center City

Mrs. Chester Welte, Bagley  
56621

E. C. Wilkins, Battle Lake

Mrs. Tom D. Wright, 10051 Brook-  
side Ave., Bloomington 20

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Rd., Jackson

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Meridian

Miss Evelyn Barbour, 725 Farmer  
St., Vicksburg 39180

Mrs. F. E. Barlow and Mrs. W. D.  
Chatoney, Schalater

Mrs. J. Barranco, 415 Lexington  
Ave., Jackson

Mrs. Len C. Barrell, 3231 24th  
Ave., Meridian

Mrs. Lucile H. Beach, 397 Jeffer-  
son St., Grenada

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Montgomery St., Starkville

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Ridge Drive, Jackson 6

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Hattiesburg

Miss Ruth Blackburn, Belhaven  
College, Jackson

Mrs. J. A. Broadwater, Siwel Rd.,  
Jackson

Mrs. Ollie Brown, P.O. Box 115,  
Hickory Flat

Mrs. C. E. Browning, Pleasant  
Acres, P.O. Box 364, Starkville

William G. Burgin, Thousand Oaks,  
Starkville

Mrs. Cox Burnside, 4234 Kings Rd.,  
Meridian

Mrs. T. A. Bush, 237 Frederca St.,  
Jackson

Mrs. E. C. Caldwell, Box 127,  
Pontotoc

Mrs. Ora Cardwell, 804 N. Jeffer-  
son St., Jackson 39202

Mrs. J. H. Case, 5526 Clinton Blvd.,  
Jackson

Mrs. Catherine Chadwich, 1920  
Robinson St., Jackson

Mrs. I. B. Chapman, 4277 Athens  
Drive, Jackson 39211

Mrs. C. J. Cheairs, Dublin 38739

Mrs. Ben Clayton, Lauderdale

Mrs. Vance D. Clemmer, 5557 Ridge-  
wood Road, Jackson 6

Mrs. M. G. Cobb, 5101 N. Hills Rd.,  
Meridian 39304

Joe W. Coker, Norway Plantation,  
Yazoo City

46 MISSISSIPPI

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Starkville
- Mrs. Minnie M. Corhern, 501 S. Montana,  
Starkville
- Mr. & Mrs. Theodore Costas, P.O. Box  
1349, Jackson
- Mrs. A. E. Crawford, Box 262, Univ.  
of Mississippi, Jackson
- Mrs. John Crigler, Fayette 39069
- Mrs. L. C. Crook, Becker
- Halbert Cunningham, R.F.D., Crawford  
39743
- Mrs. Barbara Davis, 5343 Pine Lane  
Drive, Jackson
- Mrs. Bernice Dickerson, Hickory Flat
- Mrs. J. D. Duke, 1725 16th Ave.,  
Meridian
- Mrs. A. P. Durfey, 137 E. Academy  
St., Canton
- Mr. & Mrs. W. Dye, 1015 National  
St., Vicksburg
- Mrs. Henry Easom, Sr., 4091 Pinehill  
Drive, Jackson 39206
- Mrs. J. L. Easom, 232 Moss Ave.,  
Jackson
- Mrs. V. V. Eason, Marks 38646
- Mrs. J. M. Elliott, 1502 14th  
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- Mrs. Cicero C. Ferrell, Jr., 3429  
29th Ave., Meridian
- Mrs. S. D. Garber, 228 Eureka,  
Jackson
- Mrs. H. W. Garner, 1963 Wingfield  
Circle, Jackson
- Mrs. W. J. Gilmore, 238 Taylor Ave.,  
Jackson
- Mrs. Rush H. Graves, 2046 Cullywood  
Road, Jackson
- Mr. & Mrs. W. Greff, Sr., 110 Dexter  
Place, Jackson
- Grenada Iris Club, Mrs. T. A. Ligon,  
895 Avenue of Pines, Grenada
- Mrs. I. E. Hamblin, Greensboro,  
Starkville
- Mrs. J. C. Harbour, 2412 19th St.,  
Meridian
- Mr. & Mrs. George W. Harden, P.O.  
Box 394, Hernando
- Mrs. E. P. Hardison, Senatobia
- Mrs. Mina Harwood, Box 81, Vicks-  
burg
- Mr. & Mrs. Hal Hayward, 4738 Clinton  
Blvd., Jackson 39209
- Mrs. Will T. Head, Jr., P.O. Box 158,  
Terry 39170
- Mrs. S. Heblon, 3017 27th St.,  
Meridian
- Mrs. E. G. Henne, 4056 Red Wing  
Ave., Jackson
- R. M. Hill, Sr., P. O. Drawer M,  
Gulfport
- Home & Garden Club of New Albany,  
Mrs. T. N. Gilliam, Myrtle
- Mrs. Newell Howell, R. 4, Box 26,  
Meridian
- Mrs. E. H. Hughes, and Mrs. James  
J. England, 1021 Central St.,  
Jackson
- Mrs. A. C. Hurt, 201 Tate St.,  
Senatobia
- Jackson Iris Society, Mrs. Little-  
ton Upshur, 1509 Belmont St.,  
Jackson 39202
- Mrs. Thunie J. Janney, Senatobia
- Mrs. Mack D. Johnson, 725 Lenox  
Drive, Jackson
- Mrs. Otho Johnson, Jr., 4003 Pine-  
wood Drive, Jackson 39211
- Mrs. Hugh Johnston, 1313 Chambers  
St., Vicksburg
- Mrs. D. B. Jones, R. 4, Beverly  
Hills Drive, Hattiesburg
- Mrs. Felder Josey, 203 S. Nashville,  
Starkville
- Mrs. Bruno Kalnins, Holly Springs
- Mrs. C. B. Kennedy, R. 1, Bolton
- Mrs. W. H. Kessler, 803 Meadow  
Brook Rd., Jackson 39206
- Mrs. Charles H. Koestler, 1051  
Confederate Ave., Vicksburg  
39180
- Mrs. J. M. Lack, 545 Launcelot  
Road, Jackson
- Mrs. O. W. Lambert, 413 Indiana  
Ave., Clarksdale 38614
- Mrs. S. W. Latimer, 113 W. Fulton  
St., Canton
- Mrs. M. M. LeBaugh, R. 3, Box 248,  
Columbus
- Mrs. P. D. Lee, Pleasant Acres,  
Starkville 39759
- Mrs. Stanley Levingston, Ruleville
- Mrs. C. L. Lewis, P.O. Box 10726,  
Jackson
- Mr. & Mrs. George Lirely, 528  
Lexington Ave., Jackson
- Mrs. A. Clarke List and Mrs. George  
Adkins, 1142 Meadowbrook Road,  
Jackson
- Mrs. J. D. Lord, 927 Whitworth St.,  
Jackson
- Mrs. William Lotterhos, 3764 Old  
Canton Road, Jackson

- Mrs. Jake Marx, 904 College St.,  
Columbus
- Mrs. Seth B. Matthews, 245  
Frederica St., Jackson
- Mrs. Frank McCann, 1027 Quinn St.,  
Jackson
- Mrs. C. C. McCormack, 3612 Parkway  
Blvd., Meridian
- Mrs. H. A. McCreight, 405 S. Washing-  
ton, Starkville
- Carl A. McIntrie, 607 Oakwood Drive,  
Clinton
- Mrs. Odell May, 1618 37th Ave.,  
Meridian
- Meridian Iris Society, Mrs. J. D.  
Duke, Pres., 1725 16th Street,  
Meridian
- Mrs. J. P. Mathews, 235 Broadview  
St., Jackson
- Mr. & Mrs. Fred D. Meyer, 4148  
Navajo Road, Jackson 39211
- Mississippi Area Iris Society,  
Mrs. George Adkins, Pres., 1142  
Meadowbrook Road, Jackson
- Mrs. Turner G. Morehead, RFD 1,  
Dundee 38626
- B. Y. Morrison, R. 1, Box 24, Pass  
Christian 39751
- Mrs. E. R. Owen, 1109 Pinehurst St.,  
Jackson
- Mrs. A. L. Payne, 3750 Northview  
Drive, Jackson
- Mrs. Mac Pharr, 1039 Manship St.,  
Jackson
- Mrs. W. W. Pierce, 606 Meadow-  
brook Road, Jackson 6
- James H. Price, P.O. Box 423,  
Brookhaven
- Mr. & Mrs. A. K. Primos, 1750  
Meadowbrook Road, Jackson 39211
- Mrs. E. C. Ratliff, Jr., 209 E.  
Main St., Clinton
- Mrs. J. J. Ratliff, 4707 Clinton  
Blvd., Jackson
- Mrs. Harry Revell, 2806 7th St.,  
Meridian
- Mrs. T. B. Revell, Jr., 334 3rd  
St., Grenada
- Mr. & Mrs. Gaines Richey, 405 E.  
Gillespie St., Starkville
- Mrs. W. R. Rivers, 400 S. 35th Ave.,  
Hattiesburg
- Joe W. Sanders, Walls 38680
- Mrs. Reuben Sawyer, Box 4, Jonestown  
38639
- Mrs. P. M. B. Self, Marks
- Mr. & Mrs. W. D. Shewmake, 611 E.  
Claibrone St., Greenwood 39830
- Mrs. R. H. Sikes, Caldwell,  
Starkville
- Mrs. Annie Lee Simmons, RFD 1,  
West Point 39973
- Mrs. F. F. Smith, 226 Lee Ave.,  
Crystal Springs 39059
- Mrs. Reuben Smith, Fayette 39069
- Mrs. Spencer Smith, 2018 N. Lamar  
St., Jackson
- Mr. & Mrs. Victor P. Smith, 1750  
Meadowbrook Road, Jackson
- Mrs. William H. Smith, No. Mistake  
Plantation, Satartia
- Mrs. J. N. Stewart, 381 E. Center  
St., Canton
- Mrs. Robert S. Sturtevant, Cuevas  
Rural Station, Pass Christian  
39571
- Mr. & Mrs. W. W. Swafford, 137 S.  
Division, West Point
- Mrs. Clifton R. Tate, 2046  
Cherokee Drive, Jackson 6
- Mrs. J. Ellis Taylor, 211 So.  
Washington, Starkville
- Mrs. W. J. Taylor, 320 Lexington  
Ave., Jackson
- Mrs. J. H. Thrower, 925 Belhaven  
St., Jackson
- Mr. & Mrs. H. P. Tipton, Horn Lake  
Tombigbee Valley Iris Society,  
Mrs. C. E. Browning, Pres., Pine  
Circle Drive, Starkville 39759
- Mrs. J. Toomey, 521 Miller St.,  
Hattiesburg 39401
- Mrs. H. H. Trawick, 4629 Cheryl  
Drive, W., Jackson
- Mr. & Mrs. E. R. Trussell, R. 5,  
Box 349, Hattiesburg
- Mrs. Littleton Upshur, 1509 Belmont  
St., Jackson 39202
- Miss Maude E. Varnado, 802 N. Union  
St., Natchez 39120
- Mrs. B. L. Vincent, 1713 35th Ave.,  
Meridian
- Misses Mary & Effie Walker, R. 1,  
Nesbit 38651
- Mrs. K. W. Wall, 2016 35th Ave.,  
Meridian
- Mrs. George C. Wallace, 1515 N.  
State St., Jackson
- Mrs. R. E. Williams, 213 S. Washing-  
ton, Starkville
- Mrs. Eugene Woolfolk, 202 W. St.,  
Senatobia

48 MISSOURI

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Grenada

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Rayville  
Miss Eloise L. Allen, 3503 Benton  
Blvd., Kansas City 28  
Mrs. Ethel Allen, 3503 Benton Blvd.,  
Kansas City  
Mrs. Mayme Allen, 470 Buffalo St.,  
Sullivan 63080  
Mr. & Mrs. Edward Arnoldi & Son, #2  
South Sprigg, Cape Girardeau 63701  
Mrs. Alice Atchison, 11307 Fairways  
Drive, Creve Coeur 41  
William Aull, Jr., 1601 Main St.,  
Lexington  
Mrs. A. J. Babcock, Ironton 63650  
Mrs. Richard Baker, Box 277, Noel  
64854  
Mrs. W. H. Bangert, RFD, Millersville  
Mrs. Joy Beavers, Stella  
Mrs. Herman W. Becker, 7217 Man-  
chester Ave., Kansas City 64133  
Miss Mary A. Becker, 7221 Man-  
chester Ave., Rt. 2, Kansas City  
64133  
Mrs. Fletcher Bell, Bellaire Farm,  
Rich Hill 64779  
Mrs. A. Bellagamba, 11431 Old St.  
Charles Rock Road, Bidgeton 63044  
Mr. & Mrs. Walter R. Beltz, R. 2,  
Box 6, Parkville  
Clifford W. Benson, R. 3, Baxter  
Rd., Chesterfield 63017  
C. D. Blackman, 503 N. Armstrong,  
Pleasant Hill  
Chester Blaylock, 180 S. West End  
Blvd., Cape Girardeau  
Mrs. Ernest Board, R. 1, Rich Hill  
64779  
Mrs. L. F. Bosch, 415 W. Cooper  
St., Maryville  
Chester W. Brewer, R. 1, Box 398,  
Manchester  
Norman R. Brice, 51 Ridgemoor  
Drive, Clayton 5  
Mrs. Lora Maye Briggs, 426 W.  
Coler St., Neosho  
Mr. & Mrs. Homer J. Brower, R. 2,  
Granby  
Mrs. Elwood Browning, Spickard  
Eugene Buckles, 535 Kathleen,  
Sikeston

Miss Lily Buder and Mrs. Cora  
Peterson, 3509 Brown Road, St.  
Louis 63114  
Mrs. Margaret S. Bunting, 131  
Thorncliff Lane, Kirkwood 63122  
Nelson Burlingame, Latham Star Rt.,  
California  
Mrs. George Bush, R. 1, Forest City  
Mrs. Walter H. Buxton, 817 S.  
Sappington Rd., Crestwood, St.  
Louis 63126  
Mr. & Mrs. C. P. Cadwallader, 11  
E. 82nd St., N., Kansas City  
64118  
Mr. & Mrs. Cliff Cain, R. 1, Box  
27, Neosho  
Mrs. Mary Calhoun, Montrose 64770  
Mrs. James Cantrell, Box 277,  
Noel 64854  
Caro-Clif Iris Gardens, Clif  
Johnson, R. 1, Tipton  
Mrs. John Carroll, 2403  
Schifferdecker, Joplin  
Mrs. Bert W. Casselman, 6001 Hill-  
top Rd., NW., Parkville  
Mrs. James Lee Chism, R. 1, Box  
111, Festus 63028  
Mrs. Ellen L. Church, Wellington  
64097  
Mrs. Harry Churchill, 11334 De  
Runtz, Bridgeton  
Dr. Lewis Clevenger and Dick Gima,  
Clevenger's Garden, 824 E.  
Patterson Ave., Kirksville 63501  
Mrs. Jonathon Clarke, Elsberry  
63343  
Mrs. Everett Coates, 711 S. Bell-  
view, Springfield  
Mrs. Charles F. Crocker, Sr., 312  
Bennett St., Flat River  
Mr. & Mrs. Bob Crockett, 2005 Bird,  
Joplin 64803  
Miss Mauda M. Crosby, R. 2, Braymer  
Martin J. Cummings, 3923 Illinois  
Ave., St. Louis 18  
Mrs. K. M. Cummins, P.O. Box 42,  
Skidmore 64487  
Paul Dennis, 702 S. Oak Grove Ave.,  
Springfield 65802  
Mrs. Aneta B. Dodson, 4201 McKibbon  
Road, St. Louis 63134  
Mrs. H. C. Dodson, 3115 Joplin St.,  
Joplin 64803  
Mrs. Clara Doherty, R. 1, Jonesburg  
Douglas Dwyer, 2212 Home, Indepen-  
dence



- Cliff L. Elkins, 1445 N. & S. Rd.,  
University City 63130
- Mrs. Olive Engelke, 906 N. Mine  
St., Potosi
- Mrs. Rose M. Eyster, 4000 Ashby Rd.,  
St. Ann 63074
- Son Fesler, 7539 Folk Ave., Maple-  
wood 63143
- Mr. & Mrs. Fred H. Finke, 2344 N. &  
S. Rd., St. Louis 14
- Mrs. W. O. Fieck, 13301 Silver Lane,  
Independence 64050
- Mr. & Mrs. Richard Flink, 193 Sunny-  
wood Court, Creve Coeur 63141
- Flower & Garden Magazine, 543 West-  
port Rd., Kansas City 11
- Mr. & Mrs. C. L. Fondoble, R. 1,  
Box 242, Washburn
- Richard B. Fowler, 810 W. 57th St.,  
Kansas City
- Olin Frazier, Cowgill 64637
- Mr. & Mrs. Louis F. Freeman, 508 W.  
College, Farmington
- Clarence N. Fultz, 1801 Bend Rd.,  
Cape Girardeau 63701
- Mr. & Mrs. R. R. Garr, R. 1, Granby  
John A. Gass, 8215 Grand Ave.,  
Kansas City 64114
- Mrs. E. R. Gates, 98 Whitehall Cr.,  
Brentwood, St. Louis 17
- Mrs. James T. Gentry, 715 Arapho  
Drive, Independence 64050
- Mr. & Mrs. Jess Glenn, Puxico 63960
- Mr. & Mrs. Norman Gossling, 1117 E.  
Highway 61, Jackson
- Mrs. Fred Grauberger, 4414 Madison,  
Kansas City 11
- Greater Kansas City Iris Society,  
Mr. Orsie Poff, 4525 Spruce,  
Kansas City 64130
- Mr. & Mrs. Robert Griffin, R. 2,  
Higbee 65257
- Mr. & Mrs. Ross B. Griffin, 1010  
S. Harris, Independence 64054
- Mrs. Perry Hager, R. 1, Bonne Terre  
63628
- Mrs. R. D. Hall, 3114 E. 48 Terr.  
No., Kansas City 64119
- Mrs. Jewell Haney, R. 2, Carrollton
- Mr. & Mrs. C. Allen Harper, 100 E.  
81st St., N., Kansas City 64118
- James J. Harper, 4300 McGee St.,  
Kansas City
- Leander Hay, Gilliam
- Heart of the Ozarks Iris Society,  
Mabel Gambill, Sec., Box 150,  
Mountain Grove
- Mrs. William J. Hedley, 824 N.  
Biltmore Drive, Clayton 5
- Mrs. Emily Heier, 416 Ann St.,  
Festus 63028
- Mr. & Mrs. Robert A. Heimsch, 11740  
Fawnvalley Drive, Des Peres 31
- Mrs. J. H. Heinemann, Box 156,  
Elsberry 63343
- Mrs. Elva Hemphill, Star Rt. 1,  
Newburg
- Mr. & Mrs. Norlan C. Henderson,  
7215 Washington, Kansas City  
64114
- Mrs. Blanche Henley, 828 S.  
Crysler, Independence
- Miss Annabel Hennrich, 201 N. Knob  
St., Ironton 63650
- Mrs. John W. Hiestrand, 7542  
Trenton Ave., University City 30
- Mrs. Richard Hill, Box 176, Jones-  
burg 63351
- Mr. & Mrs. James F. Hirsch, 1728  
Ridgeway St., Cape Girardeau
- Elmer P. Homan, 801 W. Charles,  
Independence 64050
- Mrs. Gilbert Howerton, Leonard  
63451
- Mrs. Meda G. Hughes, Iristyles,  
5401 Sterling, Raytown, Kansas  
City 64133
- Dr. & Mrs. William J. Hunt, 2600  
Pacific St., St. Joseph 64507
- Miss Mary Hyland, 6528 Woodrow  
Drive, St. Louis 63121
- Mrs. John Ince, 15400 T.C. Lea  
Rd., Independence
- O. H. Johnson, RFD 4, Richmond
- Roy Johnson, 210 N. Mississippi,  
Mexico 65265
- Mrs. Velma Jones, R. 1, Washburn
- Mrs. W. W. Jones, and Mr. Dennis W.  
842 Hovey, Springfield 1
- Mr. & Mrs. Edward S. Justice, 924  
S. Rinker, Aurora 65605
- Frank Kaminski, 7106 Aliceton,  
Afton 63123
- Mr. & Mrs. E. P. Kieferle, 10732  
St. Francis Lane, St. Ann 63074
- Mrs. Frank Kirchner, R. 1, St.  
Peters
- Mrs. Wallace Klemp, R. 1, Bonne  
Terre
- Mrs. B. C. Klene, 2600 Clifton Ave.,  
St. Louis 39
- Mr. & Mrs. A. K. Kirby, 307 S. 5th  
St., Columbia 65201

- George Kirk, 1014 N. Kingshighway,  
Sikeston 63801
- Mr. & Mrs. Edwin W. Knight, 825 St.  
Genevieve Ave., Farmington
- Mrs. Louis W. Krings, 2100 Red Bridge  
Terrace, Kansas City 31
- Frank A. Kropf, R. 2, Mexico 66265
- Mrs. Arno L. Kropp, Amsterdam 64723
- E. L. Lambeth, Lambeth Iris Farm,  
R. 1, Carthage
- Miss Mary E. Laun, 3315 Norma Ct.,  
St. Louis 63139
- Mrs. Irvin Lawrence, 4332 Vivion Rd.,  
Kansas City 64119
- Mrs. Mary Leach, P. O. Box 114,  
Ballwin 63011
- L. A. Leslie, 3501 E. 34 Terr., N.,  
Kansas City 64117
- Linda Hall Library, 5109 Cherry  
St., Kansas City 10
- Mrs. H. G. Lipscomb, 3142 Berkeley  
Drive, Springfield
- Mrs. H. H. Loebner, 2905 Ashby Rd.,  
St. Louis 63114
- Mrs. Ruby H. Lyerly, 395 Nancy Lane,  
Arnold
- Mrs. George Maasdam, Tina 64682
- Mrs. Charles Mahler, 1224 Grant  
Drive, University City 63132
- Mrs. Gladys Matesick, 3256 S.  
Compton Ave., St. Louis 63118
- Mrs. John J. Mayse, 9802 E. 79 Terr.,  
Kansas City
- Mrs. Guy McAmis, 317 N. Brunswick,  
Marshall
- Mrs. C. C. McClanahan, Flower Haven,  
R. 1, Knob Noster
- Mrs. Eleanor McGuire, 954 W. Adams,  
Jackson
- M. J. McHugh, 3951 Indianola Drive,  
Kansas City 64116
- Mr. & Mrs. Charles McIntire, 720 N.  
Byers Ave., Joplin
- Miss Viola Meyer, 6525 Perry Court,  
St. Louis 63121
- Miss Agnes Meyers, 215 Elm St.,  
Washington
- Mineral Area Iris Society, Mrs.  
Wallace Klemp, Pres., R. 1, Bonne  
Terre
- Mr. & Mrs. C. Robert Minnick, 324 N.  
Park Circle, Kansas City 64116
- Miss Suzanne Minnick, 324 N. Park  
Circle, Kansas City 64116
- Missouri Botanical Gardens, 2315  
Tower Grove Blvd., St. Louis 10
- Mr. & Mrs. Bert Moyers, 6 Crane St.  
Flat River
- Miss Florinne Mreen, 9801 Tanbark  
Lane, St. Louis 34
- Mrs. Raymond J. Nansen, 3505 N.  
Myrtle Ave., Kansas City 64117
- Dr. & Mrs. Paul Newman, Sunny  
Slope Farms, Ironton
- Mr. & Mrs. O. D. Niswonger, 822  
Rodney Vista Blvd., Cape  
Girardeau 63701
- Mr. & Mrs. Marvin G. Olson, 1549  
Columbine Drive, Webster Groves  
63119
- Mr. & Mrs. Ray C. Palmer, R. 1,  
Box 296, Manchester 63062
- Mrs. Walter E. Pate, 7301 Maple  
Lane, NW., Parkville
- Mr. & Mrs. Gil W. Pennewill, 502  
Donne Ave., University City 30
- Ralph W. Penrod, R. 1, Kearney  
64060
- P. M. Petersen, 5400 Euclid Ave.,  
Kansas City 64130
- Mrs. W. H. Phillips, 2520 Annalee  
Ave., Brentwood 63144
- Charles Pickett, R. 2, Box 315A,  
Chaffee
- Orsie L. Poff, 4525 Spruce, Kansas  
City 30
- Miss Margaret Powell, 2731 Adeline,  
Cape Girardeau
- Mrs. Thomas B. Price, 9330 Blue  
Ridge Ext., Kansas City 64138
- Mr. & Mrs. Victor Quesnel, 714 W.  
Columbia St., Farmington
- Mrs. Nancy Raney, R. 1, Neosho
- Mr. & Mrs. Clem Ransom & Carol,  
Benton
- Mr. & Mrs. Wayne Raue, R. 1, Box  
134, Bonne Terre
- George N. Rees, R. 1, Box 36, ~~Mixa~~  
65714
- Mrs. Salem S. Reid, 801 Lincoln  
Ave., Elsberry 63343
- Mr. & Mrs. Fred Rentfro, R. 2,  
Farmington
- Charles E. Rhodes, 3423 Manhattan,  
St. Louis 63143
- Ray K. Rickman, 1610 Bird Ave.,  
Joplin
- Mr. & Mrs. Elvan E. Roderick, 1137  
N. Main St., Desloge 63603
- Mr. & Mrs. Grover F. Roennfeldt,  
1120 Craig Rd., Creve Coeur 63141
- Claude E. Rudy, 9283 E. Breckenridge,  
Overland 63114

- Mrs. Omer Rutledge, Clifton Hill  
John Ryker, Clever  
Walter H. Ryle, Northeast Mo. State  
Teachers College, Kirksville  
Mrs. J. A. Sapp, 2801 Kentucky,  
Joplin 64803  
H. F. Schaan, 7409 Parkwood Drive,  
St. Louis 16  
Mrs. Anne Schall, 8724 Rosalie Ave.,  
Brentwood 17  
Mrs. John Schiffko, 38 Grantwood  
Lane, Affton 23  
Mr. & Mrs. Carl O. Schirmer, 6104  
King Hill Ave., St. Joseph 64504  
Dr. H. W. Schirmer, 5701 S. 2nd St.,  
St. Joseph  
Mrs. Ray Schlereth, 3913 Cordes  
Drive, St. Louis 25  
W. F. Scott, Jr., 3 Sassafras Lane,  
Ferguson 35  
Mrs. Georgia M. Scribner, R. 1,  
Rich Hill 64779  
Mrs. James R. Searles, 12800 Post  
Oak Rd., St. Louis 31  
Herman J. Selle, 5000 Grandview Rd.,  
Kansas City 64137  
Semo Iris Society, Eugene Buckles,  
Pres., 535 Kathleen, Sikeston  
J. Sharney, 1220 Pennsylvania Ave.,  
University City 30  
Mr. & Mrs. C. L. Shippee, 501 E.  
Barnes, Kansas City 64118  
Mr. & Mrs. Paul Skaggs, R. 3,  
Fredericktown  
R. Z. Smiley, 1212 W. 66th St.,  
Kansas City 13  
Mr. & Mrs. John R. Smith, 941 W.  
Main St., Jackson  
Southwest Missouri Iris Society,  
Mrs. C. L. Fondoble, Pres., R. 1,  
Box 242, Washburn 65772  
Mr. & Mrs. Earl B. Spain, 507 8th  
St., Monett 65708  
Mrs. H. R. Stahl, 13 Mill St.,  
Bonne Terre  
Mr. & Mrs. Elmer Stearns, Charlotte  
A. Stearns, Millersville  
Henry Stevens, Box 221-A, Jasper  
I. A. Stevens, 2 High Downs, St.  
Louis 24  
Mr. & Mrs. Stephen Stevens, Box  
143, Crystal City  
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Mr. & Mrs. Ancil Swinford, 813  
St. Genevieve Ave., Farmington  
Mrs. D. Everett Thomas, 134  
Huntleigh Drive, St. Louis 63122  
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Henry S. Till, Jr., 144 Chase-Park  
Plaza Hotel, Kingshighway &  
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Haven, Saxton Rd., R. 4, Box 101,  
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Kappelmann, 401 Fulton St.,  
Washington  
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5th St., Washington  
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Richmond  
Mrs. Fred Wheaton, R. 4, Box 168,  
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Kelton E. White, Arcadia 63621  
William J. White, 2019 Felix St.,  
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Dale Wild, Sarcoxie Nurseries,  
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Mrs. Robert E. Yorke, 410 Branum,  
Sikeston 63801  
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Mexico  
Mrs. Agnes E. Zerr, 3500 E. 61 St.,  
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- Mr. & Mrs. Orval Brain, Chester 59522
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- Mrs. Clara S. Edwards, 3509 5th  
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- Mr. & Mrs. Herbert Garske, 328 Silver  
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- The Glacier Iris Society, Mrs.  
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- Graham & Ross, 524 1st Ave., S.,  
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Montclair
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- Mrs. Walcott Hastings Fuller,  
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Everitt Van Riper, 181 Ratzler  
Rd., Wayne 07472
- Mr. & Mrs. Frank P. Jones, 123 New-  
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- Mrs. Earle D. McWilliams, 10 Fenwick Drive, Carney's Point
- Frederic H. Megson, Quarry Lane, Martinsville
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- Mrs. Wheeler H. Peckham, 774 Tinton Ave., Eatontown 07724
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 Mr. & Mrs. Lewis Edward Hockenjos, 1500 Michael Rd., Knoxville 37912  
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 Misses Sara and Virginia Jamieson, 1605 Finley Rd., Memphis 16  
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 Mr. & Mrs. M. A. Kelly, 2306 Arlington Ave, Memphis 14  
 Mattie Lou Kemmer, Crab Orchard 37723  
 Dr. & Mrs. B. W. King, 4706 Date-man Rd., Millington  
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- Mr. & Mrs. J. D. King, 2548 McAdoo,  
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St., Henderson 38340
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- Mrs. C. R. Krag, 5251 Airways,  
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- Miss Lois Lamb, 588 Terrell Place,  
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- Dr. Walter J. Lee, P.O. Box 687,  
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- Mr. & Mrs. Harold S. Lewis, 1813  
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- Mrs. L. B. Lewis, 5021 Barfield Rd.,  
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- Mr. & Mrs. Perry Lewis, 66 W. Peebles  
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- Mr. & Mrs. Thomas Linder, 4098 Minden  
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S. Willett, Memphis
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- Mr. & Mrs. E. P. Maender, 767 Berry  
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- Mrs. E. O. Martin, R. 7, Crab  
Orchard 37723
- Mr. & Mrs. Luther B. Martin, 4065  
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- Wallace F. Matthews, R. 2, Ellis-  
town Rd., Corryton
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- Mrs. J. T. McCallen, 1039 Twinkle  
Town, Memphis 38117
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wood Ave., Memphis 38122
- Mr. & Mrs. Henry Clay Mitchell,  
774 Snowden Circle, Memphis
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Hwy. 72, Germantown 38038
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- Mrs. J. M. Nicely, 225 Miller Ave.,  
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- Marlin Carruth, 707 N. Tatum, Arcadia  
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- Levi W. Cole, Box 88, Canyon
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- Mrs. K. W. Edmondson, 3100 Sentinel  
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- Mrs. C. M. Edwards, 30 Santa Fe  
St., Phillips
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- Mrs. J. W. Edwards, Box 14, Pipe  
Creek
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- Mrs. Walter L. Herrin, 3319 20th  
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- Mrs. Millard Herring, 614 N. Blair  
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- Mrs. Grace Jones, Higgins 79046
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- C. W. Kessel, 3013 Ave. L, Fort Worth  
5
- Mrs. K. M. Kidd, Mason
- Mr. & Mrs. H. C. Kilpatrick, 4514  
Caswell Ave., Austin 78751
- Mrs. J. T. Kilpatrick, 3106 21st St.,  
Lubbock
- Mrs. C. B. King, R. 1, Box 67, Tahoka  
79373
- Mrs. E. L. King, King's Iris Garden,  
101 Morgan Lane, Wichita Falls
- Mrs. Harley L. King, R. 2, Tulia 79088
- Mrs. L. D. Kirby, 4128 Western St.,  
Dallas 11
- Mrs. E. J. Knapp, 2100 N. Stanton  
St., El Paso
- Mrs. Ollie Mae Knapper, 8803 San  
Fernando Way, Dallas 75218
- Mr. & Mrs. Grady Knight, 1308B Ave.,  
Q, Lubbock
- Mrs. F. J. Kostohryz, 1015 E. Adams,  
Temple
- R. L. Lagow, 602 Nolan Ave., Killeen
- Mrs. Jack Lawhorn, 1102 N. 6th St.,  
Temple
- Mr. & Mrs. Phil F. Lawrence, 1708  
Boca Chica Drive, Dallas 32
- Mrs. Preston J. Lea, 205 Club Drive,  
Midland
- Mrs. L. E. Leak, 3940 Earl St., Fort  
Worth 76111
- W. D. Lee, 707 E. 9th St., Houston 7
- Mrs. Joe M. Leonard, Sr., 227 Lanus  
St., Gainesville 76240
- Mrs. Ruby Lewis, 1703 N. Spring,  
Amarillo
- Mr. & Mrs. A. Light, R. 1, Olton
- Mrs. Robert Lindsey, 902 W. Lee,  
Borger
- Mrs. L. C. Link, 1411 W. Texas,  
Midland
- Mrs. O. R. Littell, 1001 N.  
Graham, Odessa
- Mrs. Florence Lohse, 4320  
Valentine, Ft. Worth 76107
- Mrs. Jessie Travis Longley, 2219  
Michigan Ave., Dallas 16
- Mrs. E. E. Louthan, 4606 W. 16th  
St., Lubbock 79416
- Mrs. John W. Love, 6788 Inverness,  
Dallas 14
- Mrs. Richard Ludwig, 956 Rose Mary  
Drive, New Braunfels
- Mrs. A. E. Lynch, 1500 Bedford  
Drive, Midland 79701
- Mrs. Frank R. Mallory, 909 Oxbow  
Lane, Dallas 16
- Mrs. Anna Malone, 1901 Skyline  
Drive, Fort Worth 76114
- Marianne Scruggs Gdn. Club, Mrs.  
Wiley Johnson, 6136 Minosa,  
Dallas
- Mrs. Edward J. Marquardt, 104  
Beechwood Lane, San Antonio 16
- Mrs. Elby D. Martin, Sr., 7225  
Paldso, Dallas 75240
- Mrs. Fred E. Martin, 1518 E. 12th  
St., Odessa
- O. P. Martin, 1921 Melody Lane,  
Garland
- Miss Carol A. McAden, 5000 Crest-  
way Drive, Austin 78731
- Mrs. Hazel T. McCaffrey, 1215  
Travis St., El Paso 79903
- Mr. & Mrs. A. T. McC Carson, Ferris
- Mrs. Claude McCarty, 1801 Melody  
Lane, Gainesville
- Mrs. D. T. McClendon, 1014 Sherman  
Drive, Denton
- Miss Etelka McCluer, 622 Funston  
Place, San Antonio 78209
- Mrs. Olen McCormack, 3709 Little-  
john, No., Fort Worth 5
- Mrs. Claxton McCrummen, 1513 19th  
St., Lubbock
- F. A. C. McCulla, 2901 West Lane,  
Houston 27
- Mrs. C. L. McCullough, 6130 Aztec  
Rd., El Paso 79925
- Mrs. M. J. McDonald, Box 141, Iowa  
Park

- Mrs. G. H. McFarland, 2616 Pine Ave.,  
Waco
- Mrs. John H. McGraughey, Box 278,  
Albany 76430
- J. Roy and Dorothy R. McKay, Box 334,  
Marshall
- Martin McMillan, 6706 Lupton Drive,  
Dallas 25
- Mrs. Houston McMurry, 209 S. Hancock,  
Henrietta 76365
- Mrs. Paul J. McNeese, 506 S. Edge-  
field Ave., Dallas 8
- Mrs. James C. McQueen, 1407 S.  
Montreal, Dallas 8
- Mr. & Mrs. Joe E. Merrill, R. 1,  
Box 229, Garland 75040
- Mrs. W. A. Messer, Sr., 205 E. 21st  
St., Belton 76513
- Mr. & Mrs. William J. Michnar, 8215  
Robin Rest Drive, San Antonio  
78209
- Midland Area Iris Society, Mrs. J. D.  
Dillard, Pres., 2007 Harvard,  
Midland 79704
- Robert P. Miller, 4507 Holland Ave.,  
Dallas 75219
- Mrs. Stanley Miller, 1000 Kinney  
Ave., Austin 4
- Mrs. J. R. Millikan, 640 N. Manus,  
Dallas 75224
- Mrs. Eugene R. Mitchell, 12015  
Fieldwood Lane, Dallas 34
- John N. Mitchell, 3104 46th St.,  
Lubbock
- Mr. & Mrs. Henry Moore, Jr.,  
Moore's Iris Gardens, R. 1,  
Karnack
- Mrs. J. Douglas Moore, 2100 Lasker  
Ave., Waco
- Mr. & Mrs. John I. Moore, 1115  
Peavy Rd., Dallas 75218
- Mrs. E. L. Moritz, R. 4, Box 303-A,  
Austin
- Mrs. D. H. Morrison, 1406 Lansford,  
Dallas 75224
- Mrs. Gayle H. Morton, 102 E. 7th  
St., Lancaster
- Mr. & Mrs. Chester I. Motes, 6142  
Lakeshore Drive, Dallas 75214
- Fred Mullinax, Box 248, St. Jo  
Harrison Munroe, 772 Beech St.,  
Abilene 79601
- Mrs. John C. Murphree, 2307 Miramar,  
Wichita Falls
- Mrs. M. C. Neal, Box 967, Vernon 76384
- Mr. & Mrs. A. B. Nelson, 801 Hereford  
St., College Station
- Mr. & Mrs. Gale H. Nelson, 1181  
Stonewall, New Braunfels 78130
- Mr. & Mrs. Garland Newsom, 2306  
Slide Rd., Lubbock
- Mr. & Mrs. M. W. Norton, Jr., 4215  
Rosa Rd., Dallas 75220
- Isabele A. Norwood, 1822 Proctor,  
Grand Prairie
- Mrs. J. T. Nuckles, P.O. Box 748,  
Chillicothe
- Mr. & Mrs. Stayton Nunn, 11122  
Claymore Drive, Houston 77024
- Odessa Iris Society, Mrs. L. A.  
Pickering, 1500 Spur, Odessa
- Mrs. C. E. O'Neal, 2417 36th St.,  
Lubbock 79412
- Mrs. J. A. O'Neal, 1710 Seevers,  
Dallas
- Mrs. D. W. Page, Box 1625, Borger  
Palestine Iris Society, Mrs. H. G.  
Smith, 304 Angelina St.,  
Palestine 75801
- Mrs. Robert H. Parkinson, 1623  
Hillcrest Drive, E., San  
Antonio 28
- Mrs. Edwin E. Patten, 2517 28th  
St., Lubbock
- Mr. & Mrs. William K. Patton, Box  
35, Matador 79244
- Marjorie Perdue, 612 N. Englewood,  
Tyler 75703
- Mrs. H. W. Perkins, 2616 Bretton  
Rd., Wichita Falls 76308
- Mrs. A. H. Peterson, 412 Agnes  
Ave., Marlin
- Robert A. Petrek, R. 2, Lott  
Phillips Iris Club, Mrs. W. H.  
Fisher, Sec., 203 Mesquite,  
Borger 79007
- Mrs. A. C. Pickard, 1702 N. Blvd.,  
Houston 6
- Mrs. L. A. Pickering, 1500 Spur,  
Odessa
- Mrs. J. W. Pittman, 520 E. 13th St.,  
Belton
- Mrs. Bailey Post, Box 640, Henderson  
Drive, Ozona
- Mrs. Eugene F. Post, 3206 Sue Ann,  
Wichita Falls 76309
- Mr. & Mrs. Q. Perry Potts, 500 N.  
Kaufman St., Mexia
- Mrs. M. Allen Powers, R. 2, Box 320A,  
Arlington
- Mrs. Howard B. Price, 812 S. Bruce,  
Monahans 79756
- Mr. & Mrs. John B. Price and Mrs.  
Alma Frazier, R. 1, Box 159, Halls-  
ville 75650

- Paula Proske, 983 W. Coll St., New Braunfels  
 Mrs. Hugh A. Purnell, 2926 Maple Springs Blvd., Dallas 35  
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 Mrs. Everett L. Randles, Sr., P.O. Box 352, 1103 S. Montgomery St., Sherman  
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 Mrs. Norman Read, 503 Washington Blvd., Big Spring  
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 Mrs. A. G. Reiferson, 3829 Castle Drive, Waco  
 Mrs. Elizabeth A. Reneau, 311 E. 14th Ave., Belton  
 Mrs. J. S. Reynolds, 310 S. Allen, Monahans 79756  
 Mrs. Geneva F. Rhoads, P.O. Box 361, Gainesville  
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 Mrs. Sam C. Roberts, Moody  
 Mrs. Richard Robertson, 934 Turner Ave., Dallas 75208  
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 Guy Rogers, First National Bank Bldg., Wichita Falls  
 Mrs. Guy Rogers, 1806 Grant St., Wichita Falls 76309  
 Mrs. Roy C. Roper, 615 Vince Lane, DeSoto 75115  
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 Mr. W. I. Ross, Box 308, Marlin 76661  
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 Mrs. Bess J. Rudin, 6942 Shook, Dallas 14  
 Mrs. B. E. Russell, 1003 Upland, Midland 79702  
 Mrs. Steve Rydezanic, 3305 Hancock Drive, Austin 78731  
 Mrs. Thomas H. Saffold, 404 W. Ave. I, Belton  
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 Mrs. John R. Salois, 6322 Lakeshore Drive, Dallas 14  
 Mrs. Roy C. Sanders, 3609 Norfolk Rd., Fort Worth 76109  
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 Mrs. D. L. Scott, 3116 Barkley, Midland  
 Mrs. R. M. Senter, Jr., 305 S. 11th St., Teague  
 Mr. & Mrs. John C. Sexton, 3531 Monroe Ave., El Paso 79930  
 Mrs. J. S. Sharp, R. 6, Paris 75460  
 Mrs. S. L. Shelton, Batesville Rd., Uvalde  
 Mrs. W. F. Shelton, R. 1, Box 286, Brownwood  
 Mrs. Marvin Sherrod, 607 N. Pearl, Belton  
 Mr. & Mrs. H. D. Shields, 5240 Alps Drive, El Paso 79904  
 Mr. & Mrs. L. B. Shiner, 2009 Marquita, Waco  
 Mrs. A. P. Shirey, 211 S. L. St., Midland 79704  
 Mrs. Floyd H. Shirley, 1406 W. Story, Midland  
 Mr. & Mrs. W. H. Shuller, 807 S. Royall, Palestine  
 Mrs. W. R. Simon, Box 880, Level-land  
 Mrs. B. H. Sisson, 611 Tammy Dr., San Antonio 78216  
 Mrs. W. C. Slawson, R. 1, Box 606, Belton  
 Mr. & Mrs. D. E. Smith, Jr., 1710 Princeton Drive, Midland 79704  
 Mrs. Ernest B. Smith, R. 2, Quinlan 75474  
 Mrs. Joel K. Smith, Box 352, Palestine 75801  
 Mrs. O. M. Smith, 310 E. 19th St., Littlefield  
 Mrs. Ruby Smith, 2402 Temple Ave., Brownwood 96801  
 South Plains Iris Society, Mrs. Grady Knight, Pres., 1308-B Ave. Q, Lubbock  
 Mrs. C. L. Sparkman, 3103 Laurel Ave., Odessa  
 Mr. & Mrs. H. V. Sparks, R. 1, Box 784, Dallas 75216  
 Mrs. L. L. Springfield, 1111 Martinique, Dallas  
 Mr. & Mrs. Robert A. Stanley, R. 2, Box 153-A, Granbury 76048

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Orange 79107
- Mrs. Walter Stark, R. 2, Sherman
- Mr. & Mrs. G. D. Stephens, 721 S.  
5th St., Memphis
- Mrs. Charles L. Stone, P.O. Box  
718, Fort Stockton
- Mary K. Doolin Streit, 6723 Forest  
Lane, Dallas 30
- Bessie P. Stroud, 3719 Mobile, El  
Paso 79930
- Mrs. John Sublett, 210 Forest St.,  
Denton
- Summit Lawn Iris Gardens, Mr. & Mrs.  
M. F. Cranny, 1417 Barlow, Dallas  
24
- Mrs. John Talbott, P.O. Box 413,  
Albany 76430
- Mrs. Robert Talley, 1001 Ector,  
Denton
- Mrs. A. M. Tallmon, 3312 Childress  
St., Fort Worth 19
- C. O. Taylor, Box 64, Alpine
- Mrs. Dock Teague, 704 Lindsay,  
Gainesville
- Temple Iris Society, Temple Public  
Library, Temple
- Mrs. Louise Terrel, 3325 Morehead  
Ave., El Paso
- Texas Garden Clubs, Inc., 3111 N.  
Botanic Drive, Ft. Worth 76107
- Texas Technological College, E. W.  
Zukauckas, Horticulture & Park  
Mgmt., Lubbock 79409
- Mr. & Mrs. Lynn W. Thayer, 3231  
Tyler Ave., El Paso 79930
- Mrs. T. M. Thaxton, RR 2, Box 33,  
Iowa Park
- Russell R. Thomas, Thomas Iris  
Gardens, 2245 Scripture St.,  
Denton
- Mrs. Alex O. Thompson, 208 Ave. E,  
Hereford
- Mr. & Mrs. Joe B. Thorn, Gordon-  
ville
- Mrs. Allene Timmins, 538 Rice Rd.,  
San Antonio 78220
- Mrs. Oscar Torbett, Sr., 423 Chambers  
St., Marlin
- Mrs. O. C. Towery, 303 Norwood St.,  
Brownwood 76801
- H. E. Trantham, Trantham's Iris Nur-  
sery, 2925 Grape St., Abilene
- Dr. & Mrs. L. A. Trubee, Rosebud  
76570
- Mr. & Mrs. R. E. Vache, 641 N. Manus,  
Dallas 75224
- Gerald D. Vanlandingham, R. 4,  
Box 188, Weatherford 76086
- The Waco Iris Society, Waco Garden  
Council, Inc., 1705 N. 5th St.,  
Waco
- Mrs. Helen Buck Waggoner, Santa  
Rosa Ranch, Vernon 76384
- Mrs. E. M. Walker, R. 3, Post  
79356
- Mr. & Mrs. C. L. Waltermire, Box  
143, Everman 76040
- Mrs. R. F. Walton, Sr., Box 976,  
Cisco
- Mrs. A. W. Walvoord, 321 Phillips  
St., Richardson
- Mrs. J. C. Ward, 2510 N.W. 28th  
St., Fort Worth 6
- John R. Wardlaw, 751 E. Bonita  
Ave., Amarillo 79108
- Mr. & Mrs. J. B. Ware, R. 3, Box  
571-A, Marshall
- Mrs. Abbie Webb, 1802 Monroe St.,  
Wichita Falls
- Mrs. Robert E. Webb, R. 1, Box 2,  
Electra
- Mrs. C. E. Westerman, 1102 E. Park  
Ave., Palestine
- Mrs. Loreta White, 908 S. Clements,  
Gainesville
- Mr. & Mrs. Roy E. White, 3816 Lenox  
Drive, Fort Worth 76107
- Wichita Falls Garden Club, Mrs.  
Aaron C. Epp, Treas., 2106  
Indian Heights Blvd., Wichita  
Falls 76309
- Mrs. Joe L. Wiley, P.O. Box 12227,  
Dallas 25
- Miss Mabel Wilkerson, 832 N.  
Winnetka, Dallas 8
- Mr. & Mrs. Dennis A. Wilkie, 905  
W. Page, Dallas 8
- Mrs. John Wilkins, 4320 Thomason  
Ave., El Paso
- Mrs. Roy Wilkins, Box 727, Gold-  
thwaite
- Mrs. Frances Williams, R. 1,  
Commerce
- Mr. & Mrs. J. D. Williams, 1202  
Ralph St., Grand Prairie
- Mrs. N. W. Williams, 3136 N. Halton  
Rd., Ft. Worth 76117
- Mrs. George P. Wilson, 2413 S.  
Jennings Ave., Ft. Worth 10
- Mrs. Howard O. Wilson, R. 1, Box  
125, Bangs 76823
- Mr. & Mrs. H. B. Wing, 705 E. Belt  
Line, De Soto 75115

## 88 UTAH

Minnie Mehrens Wink, 537 Wallace,  
Columbus  
Mr. & Mrs. U. G. Winniford, 2831  
Municipal St., Dallas 15  
Mr. & Mrs. Leon C. Wolford, 7530  
Forney Rd., Dallas 76227  
Miss Velma Wooldridge, 1850 N. 6th  
St., Abilene 79603  
Mrs. T. E. Worsham, 2418 32nd St.,  
Lubbock  
Mrs. G. W. Yates, 1700 Vincent St.,  
Brownwood  
Mr. & Mrs. C. G. Yoakum, 2234 Carnes  
St., Dallas 8

UTAH

Mrs. Margaret Y. Albright, 2101 E.  
45th, S., Salt Lake City  
Mr. & Mrs. James R. Allen, 1031 W.  
5th, S., Woods Cross 84087  
Hyrarn L. Ames, 3695 S. 2110 E., Salt  
Lake City 84109  
Mr. & Mrs. Keith Andersen, 135 E.  
2nd, S., Gunnison  
Mrs. Orrin R. Baird, 153 E. 600, N.,  
Provo 84601  
Mrs. Evelyn Barkdull, 152 S. 4th,  
W., Logan  
Mrs. Etha Bills, 4335 South 600 W.,  
Ogden 74401  
Mr. & Mrs. Townley Brian, 1129  
Harrop St., Ogden 84404  
Mrs. David E. Burton, 304 11th Ave.,  
Salt Lake City 3  
Mr. & Mrs. Ralph Carlston, 3642 S.  
13th E., Salt Lake City  
Mrs. Hazel T. Chase, 1589 S. 4th E.,  
Salt Lake City  
Mrs. Luzon Crosby, 306 W. 400, S.,  
Rt. 2, Orem 84057  
Mr. & Mrs. T. O. Daley, 470 Harrop  
St., Ogden  
Mrs. R. Erven Day, Fillmore  
Mr. & Mrs. Clyde M. Decker, 2865  
Madison Ave., Ogden  
Mrs. Louis Deru, 683 41st St., Ogden  
Fred G. Eberhard, 1855 Logan Ave.,  
Salt Lake City  
Mr. & Mrs. John C. English, 2453 E.  
3080th, S., Salt Lake City  
Mr. & Mrs. A. J. Fitzgerald, 2763 S.  
8400, W., Magna 84044  
Mr. & Mrs. Walt Foulger, 171 S. 3rd,  
E., American Fork

Mr. & Mrs. John S. Fuller, 602  
University, Logan 84321  
Ronald K. Gygi, 2920 E. 3135th,  
S., Salt Lake City 84109  
Mr. & Mrs. James R. Hamblen, 2778  
W. 5600, S., Roy 84067  
Mrs. Melba B. Hamblen, 2778 W.  
5600 South, Roy 84067  
Mr. & Mrs. H. C. Hansen, 556 E.  
7th South, Logan  
Sam Harman, 1380 Laird Ave.,  
Salt Lake City  
Mr. & Mrs. Fisher Harris, 1422  
Military Way, Salt Lake City  
Mr. & Mrs. Verl Hendricks,  
Lewiston 84320  
Mr. & Mrs. Arthur H. Holmgren, 51  
W. 2nd South, Logan  
Mrs. Frank S. Hummel, 1930 S. 17th  
East, Salt Lake City 8  
Mr. & Mrs. Edwin Jaeger, 1150  
Sherman Ave., Salt Lake City  
Mr. & Mrs. James A. Jensen, 1829  
Redondo Ave., Salt Lake City  
84108  
Mr. & Mrs. Ray E. Jensen, RFD 1,  
Box 198, Logan  
Byron C. Johnson, 322 N. 2nd West,  
Salt Lake City 84103  
Mildred R. and Lani Johnson, 2275  
Kensington Ave., Salt Lake City  
84108  
Mr. & Mrs. Odell Julander, 1790  
West 1460 North, Provo 84601  
Warren P. Kimball and Ann Kimball,  
1086 Millcreek Way, Salt Lake  
City  
Mr. & Mrs. Carl A. Larsen, 2561  
Elm Ave., Salt Lake City 6  
Mrs. Joan C. Lee, 139 S. 350 East,  
Orem  
Mrs. Howard Lindner, 551 5th St.,  
Ogden  
Mr. & Mrs. Parry Marriott, 431  
Jefferson Ave., Ogden  
Mr. & Mrs. T. R. Martin, 450 E.  
Mill St., Bountiful  
Miss Margaret S. Maughan, 50 S. 2nd  
East, Wellsville  
Mr. & Mrs. W. Eugene Maw, 2229 W.  
5150th South, Roy 84067  
George R. Mayberry, 638 E. 300  
North, Provo  
W. E. McClure, 799 Maple St., Ogden  
Mrs. W. R. Middlemiss, 2327  
Berkeley St., Salt Lake City 9



VERMONT

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Franklin St., Ogden  
Mr. & Mrs. Tell Muhlestein, 691 E.  
8th North, Provo 84601  
Mrs. James R. Nelson, 314 E. 59th  
St., Murray 7  
Mrs. Lucille Oakley, 1266 Harrison,  
Salt Lake City  
Mrs. Thomas Osguthorpe, 3585 Mill-  
Creek Rd., Salt Lake City  
Mrs. Anthony W. Owens, Corinna 84307  
Les and Edna Peterson, 1320 Murphy  
Lane, Salt Lake City 84106  
Rainbow Iris Society, Herbert Spence,  
Pres., 3461 Adams Ave., Ogden  
Mr. & Mrs. C. Meredith Reynolds,  
3163 S. Crestview Circle, Bountiful  
84010  
Leon B. Robertson, 7 W. 6000 South,  
Murray 7  
M. W. Rowland, 2779 Blair St., Salt  
Lake City 15  
Mr. & Mrs. Floyd Saltern, 1035  
Canyon Rd., Logan 84321  
Mr. & Mrs. G. Grant Sims, 2236 Bryan  
Circle, Salt Lake City  
Mr. & Mrs. Victor M. Smith, 3193 S.  
1940th East, Salt Lake City 6  
The Society for Siberian Irises, Mrs.  
Mildred Johnson, 2275 Kensington  
Ave., Salt Lake City 84108  
Herbert J. and Josephine Spence,  
3461 Adams, Ogden  
Mr. & Mrs. B. H. Stanger, 2123 N.  
Main Sunset, Clearfield  
H. C. Stauffer, Hyrum 84319  
Mr. & Mrs. Merlin Tams, Wellsville  
Marie K. Tanner, 363 Fifth Ave.,  
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Thomas T. Taylor, 5429 S. 525th East,  
Murray 7  
Mr. & Mrs. Herman Theurer, Wellsville  
Mr. & Mrs. C. A. Thurman, 585 28th  
St., Ogden  
Mr. & Mrs. Bion Tolman, 4399 Carol  
Jane Drive, Salt Lake City  
Miss Colleen Ure, 1829 W. 4700 South,  
Salt Lake City 84118  
Utah Iris Society, Ronald K. Gygi,  
Pres., 2920 3135 South, Salt Lake  
City  
Utah State University Library, Logan  
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400 East, Centerville  
Mrs. May P. Woodland, R. 2, Brigham  
City

Mrs. Olive Chenaille, Valley View  
Gardens, R. 1, Rice Lane,  
Bennington

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C. A. Assaid, R. 2, Roanoke  
Mr. & Mrs. Weldon W. Ballard, 109  
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Chesapeake 6  
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1882, University Station,  
Charlottesville  
Mrs. Lucien G. Berry, R. 1,  
Strasburg 22657  
Mrs. Curtis Bishop, 202 Mt. View  
Ave., Danville 24541  
George L. Bonney, 6113 Studeley  
Ave., Norfolk 8  
Mrs. F. Allen Brown, Landsend  
Gardens, 4326 Grandin Rd. Ex-  
tension, Roanoke  
Mrs. L. A. Callis, 2934 Clarendon  
Drive, Bon Air 35  
Harvey E. Caton, R. 1, Box 30,  
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Mrs. B. F. Clark, 329 Wagner St.,  
Danville 24543  
Miss Betty R. Clark, R. 1, Box 58,  
Eagle Rock  
Mrs. John A. Clem, III, Topside,  
Star Route A, Staunton  
Mrs. James R. Cohen, 1122 Larchmont  
Cres., Norfolk 23508  
Mrs. George Todd Colvard, 611  
Greysan Ave., Richmond  
Mrs. E. W. Covington, 117  
Alleghany Rd., Hampton 23361  
Stewart S. Cox, R. 3, Christiansburg  
George I. Crossman, RR. 1, Hamilton  
C. W. Culpepper, 4435 N. Pershing  
Drive, Arlington 22203  
Mrs. Dorothy Cumingham, Gladstone  
Mrs. Bert Cupp, 817 Thornhill Rd.,  
Lexington  
Mr. & Mrs. Ray Daughety, 1912 Daton  
Rd., Bayside Park, Virginia Beach  
23455  
Mrs. James M. Davidson, Jr., RFD 1,  
Rockbridge Baths  
Mr. & Mrs. Arthur E. Davis, R. 3,  
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- Mr. & Mrs. G. M. Diggs, R. 1, Box  
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- Alice Peppers Dominy and Charles  
Edward Dominy, Sylvania Park, Luray
- Mrs. W. B. Elwang, 208 Berkshire Rd.,  
Richmond 21
- Mrs. J. H. Frantz, 813 Tremont Rd.,  
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- Mrs. William Fulford, 1617 Arrowhead  
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- Mrs. E. A. Fussell, 1041 Ontario St.,  
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- J. M. Graham, Box 472, Waynesboro
- Mrs. Herbert L. Grow, R. 4, Broom-  
field Farm, Lexington 24450
- Mrs. Robert S. Guerrant, 1816 Windsor  
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- Ronald Harris, 3592 N. Ingleside Dr.,  
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- Mrs. J. B. Hasher, Troy
- Charles S. Hatcher, 800 Erskine Ave.,  
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- Mrs. Frances Hicks, 720 29th St.,  
SW., Roanoke
- Mrs. Henry T. Holladay, Jr., Red Rock  
Farm, Rapidan 22733
- Mrs. G. Lyle Hughes, Wicomico Church  
22579
- Mr. & Mrs. Ray T. Hux, 1905 Daton Rd.,  
Virginia Beach 23455
- Mrs. D. T. Jackson, Jr., R. 1, Box  
176, Forest
- Mrs. Nathan H. Key, 1520 Terrace Rd.,  
SW., Roanoke
- Mrs. Guy R. Kirby, 212 Forrest Ave.,  
Norfolk 23505
- Mrs. Rena W. Kizziar, 2704 Tide-  
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NUMBER 178

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NO. 178

JULY 1965

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**COVER:** The cover of the July BULLETIN is that of the spuria iris CHUMASCH CHIEF, one of the 1964 introductions of past-president Marion Walker. The photograph is by courtesy of Sweeney, Krist & Dimm, Oregon.

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- 10—Louisiana. *Mrs. L. L. Robinson*, 6705 East Ridge Dr., Shreveport, La., 71106.
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- 24—Alabama and Mississippi. *Mrs. Reuben Sawyer*, Box 4, Jonestown, Miss., 38639.

# Sections of the American Iris Society

## MEDIAN IRIS SOCIETY

*President*, John E. Goett, R. 1, Monroe, Conn. 06468

## THE SOCIETY FOR SIBERIAN IRISES

*President*, Mrs. H. L. Edwards, 235 Koehl St., Massapequa Park, N.Y. 11762

## SPURIA IRIS SOCIETY

*President*, Dr. Clarke Cosgrove, 8260 Longdon Ave., San Gabriel, Calif. 91775

## THE SOCIETY FOR JAPANESE IRISES

*President*, C. A. Swearingen, R. 3, Box 136, Terre Haute, Ind. 47802

The conditions under which a special-interest group may become a Section for AIS are—

1. The American members of the society must be members of AIS.
2. Its bylaws must be approved by the AIS.
3. Participation in the AIS registration and award systems is required.
4. Provision for publication of articles of general interest, exclusive of newsletters, may be arranged.

The president of a Section is a member of the AIS Board of Counselors, and societies having Sectional status will be listed in the AIS *Bulletin*.

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The conditions under which a state or local iris society may become an Affiliate of AIS are—

1. Its officers and directors must be members of AIS.
2. Participation in the AIS registration and award system is required.
3. Societies having less than 50 percent of their members belonging to AIS, and meeting the other conditions, will be required to pay an *annual* fee of \$25.00.

The names of societies given Affiliate status will be published in the AIS *Bulletin*.

Inquiries and applications for affiliation should be addressed to Mr. Hubert A. Fischer, Meadow Gardens, 63rd St., Hinsdale, Ill. 60521.

TO SECRETARIES OF AFFILIATES: Please report promptly the names and addresses of new presidents to the Editor as well as to Mr. Fischer.

# Guest Irises For 1967 Convention

Denver, Colorado will be host to the 1967 National meeting of the American Iris Society. An invitation is extended to all hybridizers to send guest irises for this convention. Guest irises will be accepted IMMEDIATELY!

ALL GUEST IRISES ARE TO BE DISPATCHED TO:

Mr. Joseph O. Riley,  
4284 Hooker Street,  
Denver, Colorado 80211.

Full information should accompany each rhizome. This includes:

1. The hybridizer's name and full address—include the ZIP CODE.
2. Name or seedling number of each rhizome.
3. Full description of each iris.

All guest irises and all increase shall remain the property of the hybridizer!

Following the convention, ALL stock, including ALL increase, shall be returned to the hybridizer or disposed of according to his wishes and desires.

All guest irises will be displayed in the *Denver Botanic Gardens*. Extra guest irises will be displayed in Colorado Springs and at Boulder.

There is NO limit on the number of guest irises a hybridizer can furnish.

## ANNOUNCEMENTS

REGION 24 FALL MEETING and JUDGING SCHOOL. October 15 through October 17. Host: Marshall County Iris Society. Headquarters: Val Monte Motel, Guntersville, Alabama. Registration begins at 2:30 p.m. Friday, October 15. Judges school under leadership of William Bledsoe Saturday October 16. Group discussions on Saturday, and banquet Saturday evening. Tours of lake and caverns. Write Sarah Scruggs, Route 2, Guntersville, Alabama.

**DISTINGUISHED SERVICE MEDALS:** The list of those who had been awarded the Distinguished Service Medal (January 1965) failed to include the name of Harry J. Randall, who was awarded this honor in 1955. Our apologies. Apparently this oversight occurred because the names were compiled from the published minutes, and no minutes were published for this meeting. At any rate, whatever the cause of the omission, Harry Randall was awarded the Distinguished Service Medal at the 1955 spring meeting.

Claude O'Brien, former RVP and Board member, is the latest recipient of the Distinguished Service Medal, for valuable and unselfish service to the American Iris Society.

# ATTENTION JUDGES

Before August 15 mail to  
Mrs. Walter H. Buxton,  
817 S. Sappington Road,  
St. Louis, Mo. 63126,  
your votes on these two items.

## JAPANESE IRISES:

Your votes for HM and HC.  
You may vote for not more than five  
in each category.

## BEST WHITE TALL BEARDED IRIS:

Vote for one only.

### "IRIS CULTURE AND HYBRIDIZING FOR EVERYONE"

The first book ever written entirely for hybridizers! It is the cream skimmed from notes taken from literally thousands of letters, written in Hybridizing Robins directed by the compiler during the past 15 years, and answers almost any question the average or beginning hybridizer might ask. Only \$5.95. Order from, or write for descriptive folder to:

MRS WILMA VALLETTE, Declo, Idaho 83323



# 1965 AIS Convention

## *“Memphis-Tennessee’s Southern Belle”*

MILDRED B. MIDJAAS

In 1964, my trip to the Memphis Area Iris Tour had been so much pleasure, I made my reservations for the 1965 National Iris Convention as early as February.

On May 4th, I drove to Memphis, timing my arrival so that I would have extra time to see some of the gardens before the convention opened on May 6th.

Mrs. Luther Martin, hospitality chairman, had arranged for a chauffeur for me, and on the first evening Mr. Leo Reynolds called and then came into Memphis, and we drove out to their garden. This preview was so worth while, as the bloom was much better at this time than it was at the weekend. The Reynolds had so many worth while things in their display beds, the farm plot, and the seedling plot. One bed, near the front of the house, was backed by mock orange bushes, then a row of blue Siberian irises, and next a row of peonies edged with liriopse, and the effect was very beautiful.

One of their seedlings, #24Y-5, was such a delicate white with a blue tranfusion in the falls, but still had enough depth to show blue at a distance. Another seedling, #50T-1, was a very different deep rose color. ROYAL HAVEN was a lovely deep blue. BLUE DAMSON HAVEN put on a show in a lovely long row of bloom. This iris is a very good increaser.

Mrs. Reynolds came out into the gardens with us and was able to evaluate some of the new seedlings as we walked through the rows of iris. Mr. Reynolds had a row of very lovely roses.

On Wednesday, May 5th, Mr. Reynolds again came for me at the Downtowner Motel and we drove down to the Tipton garden at Horn Lake, Mississippi. Mrs. Tipton was her usual hospitable self and walked through the garden with me. She had struggled with soft rot in the iris throughout the spring and had lost many plants, including some guest irises, but the beds were still very good on this visit. I always come away from Mrs. Tipton’s garden with some new ideas on borders and edgings and would be happy to have her huge “Beauty Bush” which made such a lovely background for the iris beds. Mr. Tipton had been ill, but was recovering, and Mrs. Tipton had more than she should have had to attempt, and I am sure that she breathed a sigh of relief when the tour was past.

Some of the irises in the Tipton garden were: ROULETTE by Tompkins, a good plicata; QUIET CHARM by Noyd, a tan orange; ULTRAPOISE by Noyd, which seemed to put on a good show in each garden, and another by Noyd was VIBRANT CHARM; SEPTEMBER SONG was a good lovely apricot yellow; DARK FURY by Luhn was a sultry dark iris; LUXURY LINE by Carlson was a white with yellow throat; LEORA KATE by Buckles, a light, sparkling yellow; ILLINI GOLD by Varner was a pale yellow; GEN. MARK CLARK by Watkins, a dark red; AZURE HAVEN and all the Havens were in good form; JEAN SIBELIUS by C. Benson was a lovely light blue. There were so many good things, both old and new, but space does not permit naming all of them.

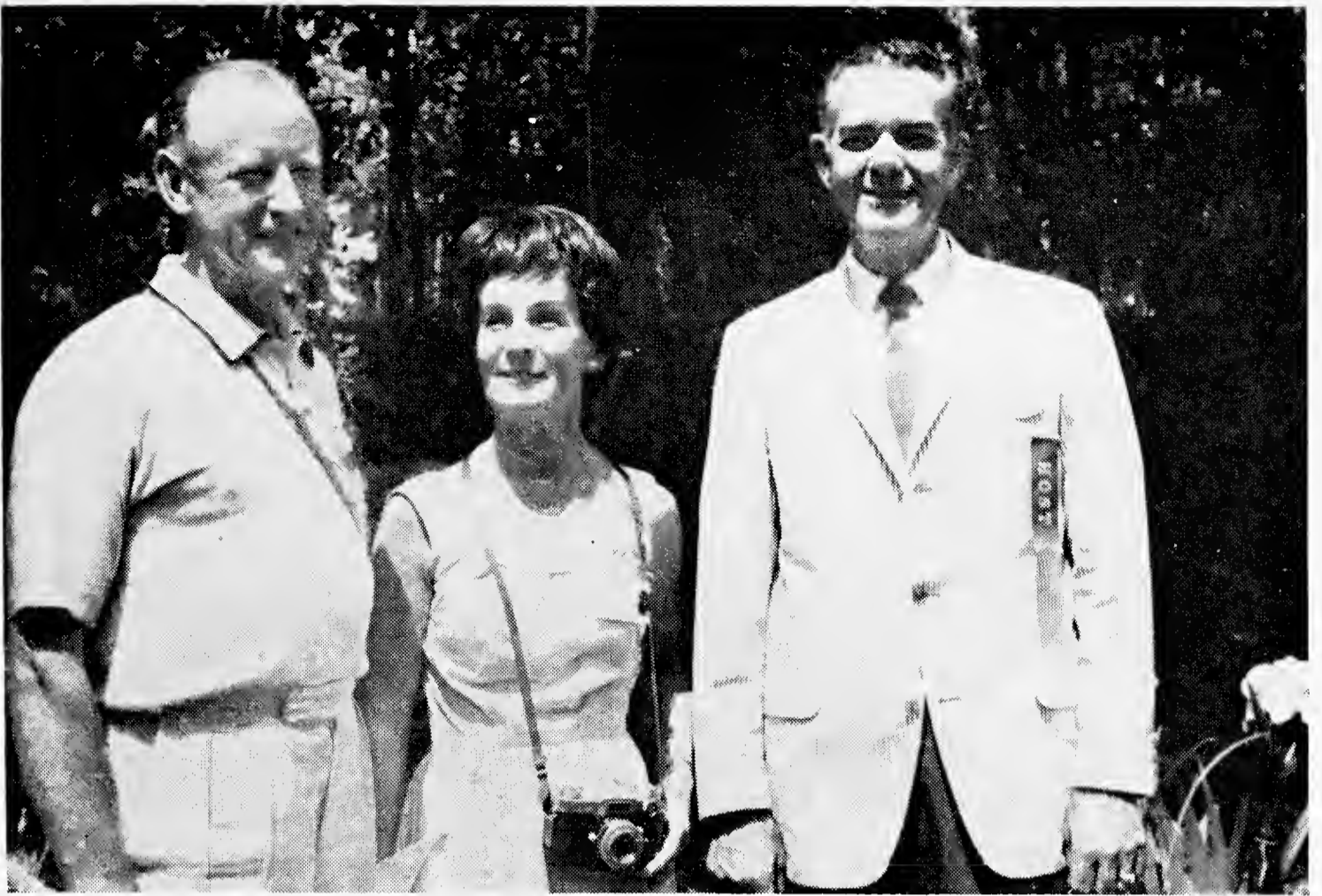
Mr. Reynolds left me to view this garden, and when he returned he brought Mrs. Reynolds with him and she went to the Stovall garden with us. Here we enjoyed the hospitality of Mr. and Mrs. Stovall and their nicely arranged iris beds. Their garden was lovely with clematis, peonies, and azaleas. Here we saw such iris as: WHIRLAWAY, INVERNESS, RUSTICANA, RARE GOLD, NASHBOROUGH which made a good garden clump; GAY TEXAS, REAL DELIGHT, APRICOT LUSTRE, GALILEE, BRONZE STAR, EDENITE, PURPLE RUFFLES, TERRY'S CHOICE, by Parker and a guest #45 62-A by Parker, an excellent purple; another guest #21 60-A by Palmer, a pale blue with blue beard; a seedling by Jake Scharff, #56-57-2B, a buff yellow with a good orange beard; JUST HEAVEN from Soo Preme Gardens, a good pale blue; BLUE SUPERIOR by J. N. Brown; PEBBLES by Tucker; #62-2 by Buckles, a clean blue and white plicata; another by Buckles, #63-68, a good yellow; and MAIN EVENT by Peterson, a red.

Next we drove to Mrs. Nathan Bauman's garden. Again there were many, many irises in bloom and to list a few: MISS ALEMEDA, a lavender and white plicata; APRICOT DANCER by Noyd; ALLAGLOW by Chet Tompkins; BRAVE SHOW by Mills; a guest BLUE REJOICE by Dubes-Young; VEL VET by Schreiner; SKOOKUM and VIBRANT CHARM by Noyd; PINK N' PRETTY by Sexton, a pale pink; and RUBY LIPS, a white with red beard.

On May 6th, I ventured to take my own car and brave the Memphis traffic and arrived safely at Mrs. E. Turley Harrel's home on Ellsworth.

There was much to view in Mrs. Harrel's garden beside irises. Roses may be a "dirty word" when you are on an iris tour, but Mrs. Harrel's roses were outstanding. Each bud seemed to have been placed just right on the bushes and each variety made a better showing than the last. Tiffany was such a gorgeous pink; Confidence, a pale pink with a yellow heart; Pink Peace, a deep pink; Cathedral Bells, a deep rosy red; Helen Traubel, a tall salmon pink and Fire Magic and THEN there were the many beautiful hollies. Coffee, cold drinks and doughnuts were served on the patio. The list of irises grown in this garden is long and they are well grown:

CROSS COUNTRY by Knocke, a good ruffled blue with white beard; BLUE FRECKLES by Schortman, a lavender and white plicata; BLUE BARON by Schreiner, a deep blue; CATALINA also by Schreiner, another strong blue; a guest APRICOT JOY by R. Brown; a guest FAR ABOVE by Randolph, a tailored light blue; a guest BLUE BALLAD by Branch, a very lovely blue with a white beard; RASPBERRY WHIRL by O. BROWN, a very ruffled plicata; guest SUNLIT LACE by Tallant, a yellow and white; HARLAN by Hinkle, a deep blue with yellow beard; guest, #61-9-A by Olson, a good yellow; FLAMING HEART by Fay, just lovely; LILTING MELODY by Palmer, a pale ruffled pink; INTRIGUER by Hinkle, in my opinion the best of her blues; ALLAGLOW by Tompkins, a deep yellow tan; guest FRONTIER MARSHALL by Schreiner, a reddish brown; MARY PICKFORD by C. Benson, a deep purple plicata; guest by Varner, #33-93, a pale yellow; ARCTIC SKIES by Fay, a pale blue standard with blue white falls; again DARK FURY by Luihn; RADIANT GEM by O. Brown (these Browns keep me jumping to not confuse them and their irises); IMPERIAL LILAC and in each garden where it was displayed, it made me want to have it in my garden; BLUE REJOICE by Dubes-Young; BLACK SWAN by Fay, a dark blue with a red cast; SHEER JOY by Dubes-Young; LASATA and DAISY POWELL, both guests by Hinkle; CELESTIAL SNOW by Bro. Charles; BLUE FRECKLES



Mr. and Mrs. M. G. Emms and Joe Brinkeroff, Jr.

again; MISS INDIANA by Cook; HEAVENLY DAYS by Wickersham; CORABAND by Hamblen and many more worthwhile things. Mr. and Mrs. Riley from Denver, Colorado, were taking pictures in Mrs. Harrel's garden and I am sure that they obtained some good slides.

The convention registration began on Friday, May 4th, and by dinner hour most of the irisarians had arrived. It was a pleasure for me to meet some of the top names in the iris world. While I meant nothing to them, I am not competition to them and I *do buy* their high-priced introductions!

On Friday evening, Mr. and Mrs. Stovall and Mr. and Mrs. Martin took Mrs. Georgia Hinkle, Mrs. Leda Knight and Mrs. Mildred Midjaas, all from Southern Illinois, to the dock where we boarded the Memphis Belle (or was it the Memphis Queen)—we enjoyed a boat trip down the Wolf River into the Mississippi and the lighted skyline of Memphis was most enjoyable. We were served a catfish dinner and the entertainment was very informal. One group formed around two piano players and sang to their heart's content; others enjoyed sitting on the top deck and watching the "lights" go by, and some had pictures taken which *shouldn't* be kept for posterity!

On Saturday morning, we loaded into 15 buses at the Hotel Peabody. Mrs. Charlotte Sawyer was in charge of loading the buses and was aided by her bus captains. The Sucker Lickers rode in the last bus with Mrs. Sawyer and Mrs. Blades. The Sucker Lickers Society had an informal meeting after the boat trip on Friday night and the money raised through various ways was to be turned to research. Mrs. Helen McCaughey made the trip more than fun with her wonderful talent for entertainment. Not every one has

this talent and the reaction of the people in cars and on the sidewalks was beyond description, and the laughter inside the bus was hearty. Her wigs, false eyelashes and other props brought even the "firemen" running to the door of their station to see what was passing!

In Mrs. A. F. Allen's yard were many good irises. One was SWAHILI by Plough, a deep dark sultry red, which is still too high priced for me to buy; LHASA by Plough was a good blue plicata (I am 'nuts' about plicatas); another Plough iris was TROPIC BLUE, a nice ruffled blue with blue beard; SUNLIT LACE again put on a good show; BREATHLESS by Schirmer was a good pink with a touch of yellow and an orange beard; ROYAL FANFARE was a fine rose red; ULTRAPOISE was also good in this garden; Palmer had a guest #51-62C, to me a salmon with orange beard; and Dubes-Young had #58-21-2, a red black with a brown beard. Refreshments were served in the shade of the beautiful trees.

My first opportunity to say "hello" to Jake Scharff came when we arrived at his garden. Both roses and irises were displayed well in his garden. Some of the lovelies in iris were:

BLACK CHARM by Hooker, a very good dark iris and we are glad it came from our area; PACIFIC HARMONY by Terrell, a lovely blue; ECSTATIC NIGHT by Cook, a nice deep blue-black with dark beard; YELLOW RUFFLES by Rudolph, a very ruffled yellow; STEPPING OUT by Schreiner was a very outstanding plicata, a deep purple and white; BRAVE VIKING by Hinkle, a desirable blue; also Hinkle's DAISY POWELL and SOUTHERN COMFORT; MAIN EVENT by Peterson was a rosy red; MARIE PHILLIPS by Muhlestein, a good purple; LILAC CHAMPAGNE by Hamblen was pale yellow standards and orchid falls with a yellow beard; another Hamblen introduction was ROYAL GOLD, a smooth bright yellow; Palmer had a guest, a good white and yellow. Jake had a number of good seedlings of his own—#61-32-1 and 60-61-5. (this number may not be correct, my apology, Jake).

We had a pleasant drive to the vicinity of Germantown, Mississippi, to the home of Mrs. Wm. F. Murrah. I think she calls her home estate "The Hill." Her home is in a lovely setting among the trees and is about five years old, and her son has a new home about five months old where we enjoyed drinks on the patio. The irises are planted in a sunlit area among the many trees. Again JUST HEAVEN was a very good pale blue; Jake Scharff had a good tan-yellow seedling #56-51-2B; LILTING MELODY by Palmer was good; WAYWARD WIND by Baker, a chartreuse yellow and not my favorite, but I am sure a breeder would want it; MERRY RIPPLES by Schreiner was good blue plicata (all plics are *good* to me); ROYAL FANFARE by Branch was good; LOV-LEE by Rogers was a lavender novelty; HINKLE'S SYMPHONY was its usual good light ruffled blue; FIFTH AVENUE by Hamblen was a purple with an orangy beard; BON VOYAGE by Plough was a beautiful iris.

But the most outstanding feature of Mrs. Murrah's grounds was the wonderful planting of azaleas that extended over a large acreage. They were of many colors and planted under the tall trees and on one side of the area was a sunken patio filled with garden furniture and I would have liked to linger in this spot for awhile. Mrs. Murrah told me that she had about 1200 azaleas, with 250 different varieties and 200 were of the Glendale hybrids by a Mr. Morrison, and they are the best hybrids available. All these plantings, both iris and azaleas, take plenty of water and the hydrants are turned on for



Mrs. C. A. Pickens, Jake Scharff, and Mrs. Elizabeth H. Rowe

several hours at each location. I heard someone remark that Mrs. Murrah would drive for miles to see a new azalea.

Luncheon on the first day of the tour was served at The Embers and was enjoyed by all.

On Saturday, we ended our tour at the flower show at the Goldsmith Civic Garden Center, as they feared that the flowers would not be too good on the following day. This flower show was staged by the Whitehaven Iris Garden Club and the Merry Weeders Garden Club.

As I have no imagination as to flower arranging, I am always amazed at the ideas others get into their arrangements, and in this show there were many very good arrangements, some very modern in design. The iris which were judged in the various classes on a specimen stalk were many, too many to mention any special awards, but it was pleasing to see so many old-timers taking awards along with the new introductions. The theme of the Flower Show was "MEET MEMPHIS—TENNESSEE'S SOUTHERN BELLE."

On Sunday, the second day of the tour, we loaded early at the Hotel Peabody and went to Mr. Joe Sanders' plantation at Wells, Mississippi. Here the iris had passed their peak of bloom and after a hurried look at them, we spent most of our time in viewing the extensive rose beds that encircled Mr. Sanders' yard. There was every variety and all most beautiful. The one which most attracted me was a row of roses planted along the foundation of the house, but I could not identify them by name.

We went to the Tipton garden at Horn Lake, but as I have described all the good things I had on my preview trip I will not repeat them here.

At noon, on this day, we arrived at the Crenshaw home, where we were served a lunch on the patio. We spent most of our time here waiting in line to be served, as several loads of people arrived at the same time and made it difficult for the persons serving. However, we did enjoy the turkey, ham, cheese, pickles, cakes, cold and hot drinks. Mrs. Crenshaw had her little dog "Sugar Plum" with her and Mrs. Bauman had "Wee Charm" whom I met last year, and Mrs. Bauman suggested that I pick up Wee Charm, saying that Charm would remember me. And sure enough, when I did gather her into my arms, she put out her little pink tongue and gave me a quick lick. Now this was either recognition or just Southern hospitality! The Crenshaw gardens are particularly well situated above a large lake. There were many good irises and all well cared for and I won't take space to mention them. It was in this garden that LEORA KATE by Mr. Eugene Buckles was so very bright and sparkling.

The garden and yard of Dr. Allen were most interesting, with plenty of shade and a nice patio. As you approach his home, he has ivy ground cover under the large trees at the front of his home. I was pleased with his choice of statuary which he had placed among the flowers. Among his irises were JEWEL HAVEN and BON BON HAVEN, both pinks by Reynolds; BREATHLESS by Schirmer; GOODNESS by Babson, white and blue; a plic by Gibson, a blend to me; NAPOLEON BRANDY by McCord; GOLDEN MOTH by Gordon; GALILEE by Fay; CROSS COUNTRY by Knocke, which to me is a very good pale blue; Sexton had a seedling #62-67, a deep purple fall and orchid standard; and WINTER OLYMPICS and NEW FRONTIER were in bloom in this garden.

In the Carney garden, I found FLASHING GEM, a plic by Gibson, and two seedlings by Larry Gaulter, G 63-75, a lovely purple and white plicata which I wish I had in my own garden, and G 63-100, which to me was more of a blend with edging around the falls. G 62-85 was another Gaulter with purple falls, and blended standards with an orange beard. We were again offered cold drinks, coffee and doughnuts by Mr. and Mrs. Carney. Mr. Carney is President of the American Iris Society.

Mr. Joe Brinkeroff, Jr., has the kind of home and yard that makes most of us grit our teeth in envy! He can spend on his yard what the rest of us have to put into our children, but he is to be commended for doing a beautiful job. It was in this garden that I had my first view of Cliff Benson's SKYWATCH. I am not sure that the branching was what it would be in a good year, but the flower was superb. I do hope I can have SKYWATCH in my garden sometime soon. Perhaps I could swap a hand-knitted sweater for a rhizome or two!

Among the other good irises in this garden were APRICOT DANCER by Noyd; SPRING FESTIVAL by Hall; AMETHYST FLAME, a good orchid; WONDERMENT by Cook, blue falls and white standards; FIRENZE by O. Brown, a nice purple; also POET'S DREAM by O. Brown; WESTERN WELCOME by J. Nelson, a tan blend; also DIAMOND CUP by J. Nelson, an apricot blend; BIG JOHN by Schmelzer, a nice light lavender; IMPERIAL LILAC was again a delightful iris, as was CROSS COUNTRY by Knocke; SPICE ISLAND by Plough was another good red plic; DREAM SPUN by Gibson, an orchid plic; LILAC FESTIVAL by Plough was a smooth lavender; HELEN NOVAK by Hinkle; and Neva Sexton's recent introduction, COUNTY DOWN, a good yellow and white.

One good peony I noted was ARCTURUS, a red. There were other unusual planting arrangements around the yard and I thought that meals served overlooking this pleasant yard must be most delightful. Mr. Brinkerhoff had an interesting lath house in which he was growing many unusual things. One planting had a "mulch" of what I thought was coal, at least it was as black as coal! Mr. Brinkerhoff is the president of the Memphis Area Iris Society.

The #15 bus had a most pleasant surprise on Sunday, as we ended our tour at the gardens of Mr. and Mrs. Leo Reynolds on Auburn Road. I think that here we had better color than in the other gardens, but I had been privileged to see it a few days earlier when it was at its peak. Mrs. Reynolds held court under the trees and everyone enjoyed talking with her and rejoiced that she was able to sit out in the yard and welcome the guests to her garden. The hybridizers found many worthwhile seedlings in the patch. Among them were a blue and white seedling #41H-2, and another #41H, and 97T, a good blue with good branching and a good stalk.

Since coming home, I have had a letter telling me that Mrs. Reynolds received the President's Cup for her introduction of LEO HAVEN. We congratulate Mrs. Reynolds on this addition to her long list of awards.

During the convention, the evenings were left to our own enjoyment. Some people viewed slides of the various hybridizers and I enjoyed the slides of Mrs. Neva Sexton and Mr. Steve Varner. Others attended a Judges School and some enjoyed the slides and Maori songs and dances put on by Mollie Emms from New Zealand. Mollie and her husband, George, were visiting around the USA during iris time and Mr. Mace from South Africa was with us again. The convention registration numbered 547 irisarians from all points of the USA, New Zealand, Africa and Canada.

On Sunday night, I decided that I had seen the best of the irises because of the good viewing I had before the convention opened, so I took off for Carbondale on Monday and did not stay for the third day of tour and the banquet. I stopped at Halls, Tennessee, and visited with Mrs. Daniel Meek and enjoyed her iris plantings. When I arrived at home, I found my own garden so full of color and so many of the new irises in bloom for the first time—so wondered why I had left home, BUT IF I had not gone to Memphis, I would not have enjoyed the hospitality of all the Memphis people and so I send my thanks to Mrs. Luther Martin, Hospitality Chairman, for providing me with such a good guide and I hope that I may be back in the Memphis area on another Area Iris Tour.

## TELEGRAM

ROBERT S. CARNEY  
500 COLONIAL ROAD  
MEMPHIS, TENNESSEE

J. M. GIBSON PINK IRIS 81-8 WRLB WON PREMIO  
FIRENZE. ALL PRIZES TO USA VARIETIES.

CONGRATULATIONS.

FLAMINIA SPECHT

# *Favorite Guest Irises*

Again this year, the members attending the national meeting engaged in the exercise of an informal appraisal of guest irises in the tour gardens. These irises had been registered, had not won the HM, and were enrolled by the hybridizer with the Secretary (See p. 9, January 1965 *Bulletin*). The ballot included the names of 219 irises that had been properly recorded with Mr. Benson. Members were asked to vote for not to exceed fifteen varieties that they considered as outstanding. Ballots were cast by 226 members from thirty-two states and Canada.

In the tabulation below seventy varieties receiving ten votes or more are ranked according to the number of votes each received. Clifford Benson's SKYWATCH received first place with a total of 153 votes.

This appraisal of non-HM guest irises in tour gardens is apart from the AIS awards system. Any of the varieties eligible to receive an HM award may receive it only if the required number of judges vote for them on the regular judges ballot forms.

<i>Variety</i>	<i>Votes</i>	<i>Originator</i>
SKYWATCH	153	Clifford W. Benson
STEPPING OUT	144	Schreiners
SWAHILI	129	Gordon W. Plough
SOUTHERN COMFORT	125	Georgia Hinkle
ARCTIC FURY	100	Clifford W. Benson
LILAC CHAMPAGNE	100	Melba Hamblen
TUXEDO	100	Schreiners
LEARA KATE	92	Eugene Buckles
CHAMPAGNE MUSIC	88	Orville W. Fay
MILESTONE	84	Gordon W. Plough
ROSEANNE	76	Gordon W. Plough
PICTURE PRETTY	71	Luella Noyd
CRYSTAL BLUE	69	Schreiners
GOLDEN SNOW	60	Dorothy Palmer
HIGH LIFE	60	Schreiners
HONOR GUARD	55	M. G. Olson
ROSA BLEDSOE	46	W. T. Bledsoe
NIGHT SONG	45	Walt Luihn
CRYSTAL RIVER	44	Gordon W. Plough
MODERN TREND	44	Jeanette Nelson
POMPANO BEACH	41	Schreiners
NITTANY	37	Maxwell Hunter
IRISH LULLABY	35	Steve Moldovan
TROPIC BLUE	33	Gordon W. Plough
TYROLEAN BLUE	30	Schreiners
VILLAGE GREEN	30	Georgia Hinkle



<i>Variety</i>	<i>Votes</i>	<i>Originator</i>
GRINGO	29	Keith Keppel
ROYAL TAPESTRY	29	Schreiners
JAVA DOVE	28	Gordon W. Plough
RAINBOW VALLEY	28	Gordon W. Plough
SMART SET	28	Jeanette Nelson
LEMON BOWL	27	Gordon W. Plough
LHASA	27	Gordon W. Plough
IVORY LACE	26	Rex P. Brown
SASHAY	25	Gordon W. Plough
SWEET ONE	25	Gordon W. Plough
FRONTIER MARSHALL	24	Schreiners
DEAR BOB	22	Georgia Hinkle
DAISY POWELL	21	Georgia Hinkle
BLUE MOUNTAINS	20	Schreiners
SIBONEY	20	Frances R. Evans
SKOOKUM	20	Luella Noyd
PRINCE INDIGO	19	Schreiners
APRICOT JOY	17	Rex P. Brown
BEAU BLACK	17	Gordon W. Plough
DENVER MINT	17	Maynard Knopf
IMPERIAL LILAC	17	Schreiners
MARSHMALLOW	17	M. G. Olson
TALENT SHOW	17	Gordon W. Plough
BELOVED BELINDA	15	Georgia Hinkle
CORAL BUTTE	15	Gordon W. Plough
FAST TRACK	15	Gordon W. Plough
NATIVE DAUGHTER	15	Luella Noyd
RINGMASTER	15	Mrs. Robert Reinhardt
BLUE ACCENT	13	M. G. Olson
CORAL ELEGANCE	13	W. T. Bledsoe
DANCING RILL	12	Schreiners
WENATCHEE VALLEY	12	Luella Noyd
WILD PLUM	11	Gordon Plough
BLUSHING BEAUTY	10	Luella Noyd
CENTURY TWENTY ONE	10	Luella Noyd
CHARM SCHOOL	10	Dorothy Palmer
CHRISTIE ANNE	10	Larry Gaulter
FRENCH LACE	10	Gordon W. Plough
GOLD CITATION	10	M. G. Olson
GOLDEN SHOULDERS	10	W. T. Bledsoe
MONTE SANO	10	W. T. Bledsoe
ORANGE BOWL	10	Arnold Schliefert
ORCHID BROCADE	10	Nathan Rudolph
PRAIRIE BLAZE	10	Jim Marsh

# The Mrs. A. F. Allen Garden

MYRON BEARD

A beautiful large brick house nestled under huge trees and surrounded by such profusion of bloom as to seem a veritable fairyland; this was the exotic background given to the irises planted here. Situated on a square corner lot, perhaps 200 feet or less across, the grounds of this home were made to appear quite spacious by the artistic use of exquisite shrubs and flowers. Snuggled up against the tree trunks like a huge floral arrangement a solid mass of pink and white azaleas formed the south border of the lawn area in front of the house. Stretching across the lawn just inside the sidewalk on the north side were beds of tall bearded irises. The eastern or "backyard" side of the lot was filled with beds of roses, more tall bearded and other types of irises and a host of companion types of flowers; and everywhere every flower in gorgeous full bloom. The roses in particular were outstanding. Shoulder high bushes were loaded with huge perfect blossoms, and many a iris fancier was caught aiming his camera in the "wrong direction."

As we saw this garden only once, it should be understood that comments about the irises seen only briefly here are simply statements that on this day the following irises were outstandingly beautiful.

SWAHILI (Plough 65). Large ruffled flowers on a fine stalk in a hard-to-describe color; perhaps deep purple with a red-brown undertone would come close; different from other darks.

JAVA DOVE (Plough 64). Very smooth and most appealing with its combination of creamy white standards and peach falls; nicely formed flowers, well spaced along the stalk.

STERLING SILVER (Moldovan 65). Perhaps the most beautifully formed of any iris seen, with its ruffles and flared-out falls. This violet iris was tinted orchid in southern gardens, rather than the blue as it is seen in northern gardens.

L'HASA (Plough 65). A nice plicata with all good points and snowy white ground marked with light blue.

TROPIC BLUE (Plough 65). A ruffled medium-to-deep toned violet-blue which in the sunlight and from a distance appears to be very blue indeed.

BENGAL BEAUTY (Muhlestein 62). A very bright rosy-orchid with good form and well-branched strong stalks.

CAMPUS FLIRT (Daling 64). White standards over brownish-pink falls with lighter edging; this was different and lovely.

WINTER OLYMPICS (Brown 65). Perfection in white; what more can be said.

MARIE PHILLIPS (Muhlestein 63). Lilac-orchid toned flower; a perfect self, large and well formed.

ULTRAPOISE (Noyd 62). A mass of uncluttered medium yellow blooms on a huge clump; this tangerine bearded flower made a delightful show.

MARTEL (Muhlestein 62). A dark, but far from dull, blending of colors, with red predominant.

There were many other irises listed in the garden which were not in bloom, and others which because of a late freeze were not typical and could not be judged.

# The Dr. and Mrs. Chester G. Allen Garden

MARVIN G. OLSON

The Chester G. Allen home is framed by large trees and many azaleas, and presented a very beautiful picture as we emerged from the buses. Here, too, Southern hospitality was at its best, as was true of all the convention gardens, and the graciousness of our hosts added greatly to the pleasure of the convention visitors.

The first iris to catch my eye was Dr. Frederick Knocke's CROSS COUNTRY, a very wide-hafted pale blue self. This was growing excellently in all of the gardens we visited, and seemed always to be a good performer.

Maynard Knopf's DENVER MINT, a deep cream self with a hint of char-treuse, looked good as a terminal bloom. Neva Sexton's 60-34, wide, nicely branched white, was very much admired. Her PACIFIC PANORAMA and her NEW FRONTIER also were making a fine show, and received considerable approval from the garden visitors. Schortman's TALL AND HANDSOME, a deep rose, was excellent, and was studied considerably by the garden judges. Steve Moldovan's IRISH LULLABY, a nice flaring pink, received attention by the garden judges, as did his 61-38, a flaring fuchsia self. Both were very good. Cliff Benson's ISLANDER, a wide-hafted flaring blue self, was beautiful. Dubes-Young's 58-21-1 looked good. This is a black-red, nicely proportioned, with good substance. Mrs. Rose Savage's SL-25, with cream standards and white falls edged cream, was very bright and clean.

UTAH VALLEY was putting on the show of its life in this garden, and many were the visitors who stopped to take a studied look at the spectacular show it was creating.

KAHILI was another one that attracted attention, with its cleancut contrasts.

Other guests that performed well were ELEANOR'S PRIDE, COLORGLO, COURT BALLET and ROCOCO.

The garden really deserves more space than I am able to give it, but two factors preclude me from writing more about it. Some of the irises that ordinarily would have received attention either were bloomed out (or almost so,) while others had not come into bloom yet. Our visit to this garden was limited to twenty minutes, and there was not time to give it the careful study it deserved. But let me say that it is a beautiful and gracious garden, one worth hours of careful study.

## The Bauman Garden

CLARKE COSGROVE

For those conventioners who started the Memphis annual meeting with Tour No. 2 to the Whitehaven section, the garden of Mr. and Mrs. Nathan Bauman was a thrilling introduction to the natural beauty of the Tennessee countryside, the hospitality and friendliness of the host city, the beautifully planned and cared for tour gardens, and the iris bloom awaiting the visitors.

A new house of brick and timber that has nestled down among the full grown native trees as if it was a part of the lovely setting from the beginning, the Bauman home extends a welcome with the colorful clumps of iris at the entranceway.

The gardens are also new and have taken full advantage of the slope downward from a delightful terrace area at the rear of the house, past a pooled area and a bridged stream to slope upward again to the heavily wooded area that frames the garden.

The lush verduous growth in the uncleared areas seen on the tours may be a familiar sight to many of the attendance at this annual meeting, but for those of us who come from the semi-arid areas of these United States the greenness that was everywhere was almost as satisfying as the newest iris beautifully grown.



The Bauman garden, with Louisianas, Spurias, Siberians, and *Laevigatae* in bloom

The tour was a bit late for the native white dogwoods, but the syringas were coming into full bloom to serve as a background for the azaleas and the tall bearded iris. Quay Bauman has used the Glen Dale azaleas to give a splash of color throughout the shadier parts of the garden. I was particularly taken with the variety Helen Gunning with its immense ruffled flowers edged in glowing rose.

Viewed from the terrace, the dancing Siberian iris in full bloom were reflected in the waters of the pool they lined. On the other side of the path the vigorous growth on the spurias promised to extend the iris season. The old faithful spuria PREMIER had already unfurled two of its electric blue flowers.

It should not be inferred from this rambling discourse on subjects other than the tall bearded irises that there were few of these beauties to be seen. Quite to the contrary, the Bauman garden and others on the tours had many new varieties to see and evaluate, to compare with the glowing catalog pictures and descriptions, and to help make decisions as to how that iris budget for this year is to be stretched.

TILlicum, a last year's introduction from Plough, was a finished flower in white and yellow, heavily ruffled and flaring, that demanded attention. It does not grow too tall and in my opinion the open standards it has inherited from its pollen parent CLOUD DANCER do not add to the beauty of the flower, although they are well held.

Plough's WILD PLUM with its blend of violet and plum purple is a much more vibrant combination than the description would suggest. The lighter area of the falls lifts the flower to show off to perfection the well-proportioned, ruffled flower. The deeper colored, evenly applied border on the falls and the bright beard adds to its interest and beauty.

AFTER DARK, a deep violet from the Shreiners, has a good carrying power as a garden iris and promises to be long in bloom with its well-branched stalk and numerous buds. The flower parts are full, gently ruffled and finished with a velvety nap. I much preferred it to the newer, lighter BLUE MOUNTAIN, which was just too large a flower for my taste. This flower, large as it is, is in good proportion and is well spaced on a tall stem.

STAR TRAIL from the El Dorado Gardens was blooming on two good stalks and was a delightful reverse yellow amoena. The yellow and white combinations are excellent garden flowers and this addition to that class would also be a fine exhibition type.

SONIC BLUE, TROPIC BLUE, and CORAL BUTTE were also in good bloom. Of these three new introductions I preferred TROPIC BLUE which can hold its own in the very competitive blue class.

QUIET SKIES, SOUTHERN COMFORT, and WINE AND ROSES would be worthy additions to any garden. The first two have subtle colors that calm while the latter rushes forward for attention.

There were numerous other varieties in bloom in the Bauman garden and the developing stalks indicated that there would be a wealth of bloom for some time after the tour.

A short pause on the terrace for refreshments and a panoramic view of the garden were enjoyed before boarding the buses for the next garden on the tour.

## The Brinkerhoff Garden

IRWIN A. CONROE

Poets and novelists have long sung the charm of southern gardens, those cool oases outside the pale of the hot summer sun. Towering oak trees with far-flung outstretched branches provide protection for the grace and beauty of the dogwoods, azaleas, holly, honeysuckle. Other hardwoods mingled with pines indigent to the South supplement the oaks. Underneath and stretching luxuriantly throughout such a garden are walks and paths separating beds of flowers and plants, and sometimes ending in a nook or corner thoughtfully supplied with seats and tables to provide creature comfort to visitors. Add to the overall charm of such gardens the influx of dozens of varieties of seedling irises and newly introduced irises and the setting becomes an irisarian's dream.

Such a garden as described above is the garden of Joe Brinkerhoff, genial president of the Memphis Area Iris Society and host par excellence. To a bus weary pilgrim, Joe's beautiful garden was a haven to be left only with reluc-

tance and in the hope of an early return. Large enough to furnish all the delight and comfort of leisure-viewing and points of rest, small enough to leave one with the feeling of having shared the friendliness and warmth of hospitality for which the Old South has so long been revered.

For the convention Joe had converted his garden into iris beds, but left enough of perennials, shrubs and decorative plants to blend into the harmony of a well-balanced garden. After the convention is over and guest irises returned Joe will have plenty of irises to grace his garden, but his roses and camellias and other flowers will reclaim their rightful places.

Unfortunately for convention-goers, many of the newest irises in Joe's garden were not in bloom. Many of them had bloomed a week earlier; the late ones had not yet burst into bloom. However, there were many nice things to study and enjoy among irises in bloom. It is hardly fair to single out numbers of them and be forced to overlook many others not in bloom, but the iris reporter must write of what he saw and liked, knowing well that he would have liked many an iris he was forced to miss.

Among the irises worthy of citation in the Brinkerhoff garden were the following: Schmelzer's ANGEL LYRIC, Hinkle's BRAVE VIKING, Plough's ECRU LAKE, Carlson's BLAZING VIOLET, Schreiner's BLUE BARON, Knocke's CROSS COUNTRY, Benson's SKYWATCH, Moldovan's STERLING SILVER, Noyd's ULTRA-POISE, Bro. Charles' MISSION SUNSET, Sexton's COUNTRY DAWY (a guest seedling), Hoage's AZURE STRIPES, Bledsoe's CORAL ELEGANCE, Ghio's TWILIGHT SONATA, Scharff's JAILBIRD (Reminiscent of HOLD THAT TIGER), Ernst's TAHITIA SUNRISE, and Fay's CHAMPAGNE MUSIC.

I should like to return again to the Brinkerhoff garden with its charm, its peace, its quiet, its beauty. To sit and chat with the splendid host of the garden, to visit with friends there at an unhurried pace, to drink in the delight of the garden setting would be refreshment indeed for soul and body. In the manic speed of today's pace, one needs gardens like Joe's in which to ease his tensions. We are grateful to him for inviting us into it.

## The Carney Garden

EDWARD E. VARNUM

Memphis winters have been anything but kind to the irises in the garden of Mr. and Mrs. Robert S. Carney, and this spring's hot weather almost bloomed them out before the conventioners arrived. Nevertheless, when our bus unloaded at the gate of the President of the American Iris Society, we were greeted by that familiar smile. Such weather must have been very disheartening to President Bob, who has grown irises for many years and has been active in the AIS since the early '40's, after moving to Memphis. His travels as a member of the Board of Directors, and as President, have taken him from coast to coast, touring countless gardens along the way, and always with a smile and his jovial personality. To ask what areas he hasn't been in or whose garden he hasn't seen, is the simplest way to describe where he has been. At Memphis, Mrs. Carney was present to help fill in with Southern hospitality, so graciously served in this garden, and to make our stay with them a pleasant one.

A walk through Bob's guest and display beds revealed several new and interesting irises, seen by many of us for the first time. Although most varieties had only one bloom stalk and several had the last flower in bloom, there were some clumps in full bloom giving evidence to "what could have been." Don Water's DIVINE BLUE showed well enough to make one want to see this clear light blue in a clump—and soon. Larry Gaulter had several seedlings in bloom in this garden, all very impressive. His 63-115, a ruffled white with a fiery red beard, caught many an eye. A slight infusion of yellow on wide hafts adds charm to this beauty. Just imagine what an attraction a clump of this iris in full bloom would be. His 62-85, a ruffled bicolor with mauve standards and mulberry falls, has very wide hafts and a yellow beard to set it off. His 63-145 reminded one of CLAUDIA RENE, and is a violet bitone, very pale standards and medium-light falls with an orange beard and orange in the hafts. It is a well proportioned flower, ruffled and with perfect domed standards. A sight to see in any garden. Bob Schreiner's TUXEDO, a real velvety purple-black self right in to the beard, was in bloom and the crowds were not passing this one by. It is a knockout in anyone's book.



ARCTIC FURY (Benson 64)



STEPPING OUT (Schreiner 64)

Two of Jake Scharff's "children" were very much in evidence in the Carney garden. His 56-21-24 is a fine pale cream-yellow, and has large and translucent flowers on rather tallish stalks, but with good branching. It appears to be a definite improvement to this color class. Seen in other convention gardens, it has the substance to withstand Memphis winds, rain, and heat, although appearing to be delicate at a glance. The other "child" was called JAIL BIRD. If you like tan iris and appreciate veining in an iris, you will probably like this one. In this garden it was a low grower, but a good one—and it can be made into such interesting arrangements. Roy Brizendine's JET BLACK made a hit here with its tailored form and deep color. Too bad the weather had damaged some of the flowers, making it impossible to get a good color slide of this iris. Serlena Reynolds' 41-A-4, white standards with

pale blue falls and a yellow beard, was very attractive and quite interesting. It is slightly ruffled and has closed standards. Eva Smith's *DESERT GLOW* and *MAUVE MAGIC* were also outstanding in this garden. The first is a well-branched yellow-brown having domed standards, orange beard and flaring falls; while the latter is a lovely laced edged lavender-pink with a tangerine beard.

Several of the display iris seen here were worthy of mention. Chet Tompkins' *CHECKMATE*, a large dark red with wide falls, was admired by many. Although the hybridizer disclaims haft marks for this iris, those in evidence detracted little from this fine new red. Georgia Hinkle's *INTRIGUER* gave out with a display of fine deep blue iris in clump bloom. So did Clarence Blocher's *ELLEN MANOR*, a light blue with a pale lemon beard. Orville Fay's *CHINESE CORAL* was seen booming in this garden with fairly tailored flowers. Dave Hall's *BIG CHIEF*, a large tailored dark mulberry-rose with an orange beard; his *SPRING FESTIVAL* with its lacy standards and ruffled falls is still at the top in the pinks; his *SILVERTONE*, a very pale orchid blue-white with a pale tangerine beard and having a silver sheen over the entire flower; and his *EL MONSOUR*, a very pale ivory-tan with crinkled edges and a tangerine beard, were all in bloom and a tribute to this noted hybridizer.

And last but not least, if you like the odd ones and many of us do, the one that stole "our" show in this garden was Sass-Graham's *JUNGLE SHADOWS*. It was growing only 18 inches high, and one had to get right down on the ground in order to take a picture of a clump of this oddity, but many did just that.

Bob didn't take us into his seedling patch, or show us some of his own fine creations (maybe he is more modest than most hybridizers). However, the Carneys plied us with cakes and refreshments, along with their well known hospitality, and a most enjoyable garden visit was had with them. For an iris lover, there is always that dream of next year to look forward to; finding a true red or green iris in the seedling patch, or renewing friendships at the next convention.

## The Coulson Garden

ALLEN HARPER

It often happens that in visiting gardens on tour at the national meetings, time does not permit a true appreciation of the garden's charm nor the friendly hospitality of its hosts. In the rush to disembark from the buses, following the crowd to the center of attraction—which just might happen to be the best specimen then in bloom, looking diligently for a few seedlings listed in the booklet which are invariably out of bloom at that precious moment, shooting a few quick pictures, nodding and wafting a brief word of thanks to the hosts and reentering the bus for a quick trip to the next garden, one cannot view a host garden in its proper perspective.

Having been advised shortly after our arrival that we were to report the Coulson Garden, Mrs. Harper and I set apart a portion of the "guided tour" time to visit at leisure in a most charming setting with some very friendly and enjoyable people. Mr. and Mrs. James R. Coulson, and their son Mike



and daughter Esther Marie, live in Whitehaven, a South Memphis suburban area which is not really new, as witness the long residence of Leo and Serlena Reynolds in this area, which she has immortalized with her Haven Iris. But as is true across the country, a rebirth of older suburban developments has brought a new generation of active, energetic families to revitalize these areas and reclaim valuable living space from possible decay and division.

So, eight years ago, the Coulsons, with two very young children, sought to create out of pasture and forest a living space suited to their needs and reflecting their tastes. Most of the home building and all of the landscaping was done without other help. The forest still seems to threaten encroachment on one side, and across the fence in back one can still see cattle and horses grazing, but these vistas are rapidly being softened by the developing landscape design.

Loblolly pines, secured from the state forestry division, are growing in staggered rows across the rear of the property. Oaks—willow, pin and red—dot the grounds and provide welcome filtered shade for outdoor living. A few native pecans left in place provide a banquet for the squirrel population, but few nuts for the table. Of course, no Memphis estate is quite complete without redbuds and magnolias.

Iris? Yes, there were irises, tastefully set out at the front of the house and along the path to the living area in back. This led to bricked in beds across the center rear, with irises well spaced for easy viewing. We especially liked CAYENNE CAPERS, one of Gibson's brighter plicatas; ORANGE BOWL, an imposing apricot; SPRING VALLEY, one of the nicest light blues seen anywhere; AZURE ACCENT, rather small in flower but exceptionally well branched, reflecting in color its BLUE THROAT parentage. CONGO SONG was good. LE BEAU the best we have seen it, HEPATICA BLUE and MAGIC MORN fine, but seemingly lacking in bud count. TORCH BEARER really catches the eye, busy hafts and all. JERSEY BEAUTY didn't seem up to the quality of other Schortman introductions. It would take a strong stomach to digest FAST TRACK.

RUFFLED ROYALTY, TRISHA, COOL FLAME, SMART SET, FINE PLUMAGE, SEASHELL HAVEN, SWEET ONE, WAVE CAP and WOODBURN'S LYNE were checked as good, but our notes did not elaborate. Of the slightly older sorts, PRETTY CAROL, RAINBOW GOLD, REAL DELIGHT and APRICOT DANCER were doing well.

Of the numbered seedlings. Rosyl Savage's SL 36 showed promise and Dr. Fraser's 61-4A was a better than average white. Jim Coulson had a WHOLE CLOTH seedling, 58-112, which was a welcome relief from the usual pattern of WHOLE CLOTH children. He is also going in for "fancy" breeding, and had some interesting things out of HONOR BRIGHT  $\times$  TABASCO.

In addition to irises, the Coulsons do some other collecting. A plantation shed was ringed by horseshoes and farm "tack," mirroring the occupation of the land's original owners. A collection of antique clocks warranted more time in appraisal, but we did have a commitment to other convention activities, so had to leave eventually albeit reluctantly.

The sincere friendliness and open hearted hospitality of Memphians, and particularly the Coulson family, will never cease to impress us, and we are already looking forward to the time when good fortune will again permit us a trip to Memphis.

# The Crenshaw Garden

VIRGINIA MATHEWS

This beautiful garden was the South at its loveliest, with wide expanses of lawn, stately old oaks, and iris beds well planned with ample room for viewing them. On the lawn adjoining the large lake was wrought iron garden furniture, a pleasant setting for our picnic lunch. The food ran out temporarily before the last few were served, since it was the largest convention crowd on record. Or perhaps all our garden walking made us hungrier than most people!

In the iris beds, a clump of CHARMED LAND (Crandall) had the most photographers crowded around it. It was a large clump with several stalks, and very showy. It is a smoky blue-white, bluer in the heart of the flower, with lovely form.

Another clump drawing attention was LEORA KATE (Buckles), a frilly light lemon color, well branched. Single stalks of three others were very attractive. IDAHO CREAM (Eva Smith) is a well formed, ruffled cream color. SCARLET RIBBON (Tompkins) has good red color and smoothness, along with width and flare. PENSIVE MOOD (Fraser) has a beautiful ruffled lavender flower of large size and form near perfection. It had only four buds on the stalk; we can hope that is not typical of it.

The day of our visit was rather hot and windy, so the varieties mentioned here all have excellent substance. Some varieties were sadly melted. The planting was large, but it was late in the season and some had bloomed out. Others had suffered damage in the Memphis winter, which had been colder than normal.

Something "unusual" seems to happen to the iris for every convention, but fun and good fellowship with old and new friends are always "at peak."

# The Flowers Garden

FRANKLIN P. BREWER

When we arrived late Friday afternoon, the rumors were flying. The hail had ruined the entire area at Ketchum Garden . . . so the rumors said. Everything was past peak. Well, I sure was going to stop off and take a "gander" to convince myself. We always stop at Jake Scharff's the very first thing, no matter when we are down there. This was my sixth year in a row to go to Memphis, so I felt sure that things would be all right. At Jake's, the thing that took me by storm was STEPPING OUT of Schreiners. This is by far the best plicata of the dark purple-black that I have ever seen. Dr. Knocke's K-44 is another in this group that is quite nice. I saw it in Mrs. Allen's garden last year . . . and it was even better this year. Mollie Emms and I have been friends since 1959, and she just happened to arrive with George Mace, Bob Carney, and George Emms at the same time. It was a nice reunion, and a pleasure to meet Mr. Emms in person for the first time.



The Flowers garden

I took the Whitehaven tour on Monday . . . and even then, the flowers were still in their glory. There was plenty of bloom. At the Flowers Garden, these impressed me the most:

**HENRY SHAW** (Cliff Benson). This beautiful white is still one of my favorites. It was holding its own here and everywhere seen.

**MARY PICKFORD** (Cliff Benson). I have seen this many times, but during the convention, it seemed to come on stronger than ever.

**LA NEGRA FLOR** (Crosby). This one does exceptionally well for me, and was equally as good in Memphis. It still has as good or better branching than most all of the "blacks."

**MISS INDIANA** (Cook). I have admired this one for a long time, and it bloomed at home for me. Perhaps the best coloring of all these. Nice.

**KEN** (Rundlett). This one is getting "OLD," but it was a beauty here again this year. A beautiful hyacinth blue that has excellent branching.

**MOON RIVER** (Sexton). Saw this first in Denver on a short stalk. Last year in Chicago, it was everything that I had hoped it would be. In Memphis, it was tops again. A beautiful golden self, with all good points.

**SMALL TALK** (Sexton). This was a new one for me. The flower itself is beautiful, but I want to see it again another year to check on the branching. Neva tells me that she is using this in her further plicata breeding. A plic of white and orchid. Nice.

**SMOKY MOUNTAIN** (E. Smith). The field is getting crowded in most all colors and this one is what we need. It's different. It's a chartreuse and yellow chartreuse, with an orange beard. Some will like it; some won't. I DO!!

**SYMPHONY** (Hinkle). I have had this one for a long time . . . and it looks as good elsewhere as in Memphis. It's a sea blue self with a slight lighter area at the beards. Has all good points and carries its color well.

**GRACIE PFOST** (E. Smith). There really isn't much else to say after the way it took the Queen of the Show in Memphis this year. Had at least four open blooms on a stalk, and well branched. I like this one better each time I see it.

**STARSHINE** (Wills). This old favorite will always give the others competi-

tion in a show. A beautiful clump here was a real hit. A good one for any garden.

HONOR BRIGHT (M. Olson). I saw this in Chicago and it wasn't up to "snuff." Like all good judges should do, I wanted to see it again. In Memphis, all the things I wondered about came through in flying colors. It is a MELODRAMA or WHOLE CLOTH type iris. The color is brilliant and the branching starts low and goes on and on. Saw this in several gardens in Memphis and it was doing well in each. Much better here than I had remembered. Would like to have.

SOUTHERN COMFORT (Hinkle). I saw this in Georgia's garden as a seedling. It was a pretty good seedling, but has turned out to be a far better named one. In an established clump, it's a sight to see. Doing exceptionally well in Memphis; it had lots of people talking to themselves. A Must!

UTAH VALLEY (Muhlstein). This one is at home in Memphis. The clump in this garden was very pretty. Nice sized flowers and the color does not fade. Saw this in Scharff's garden several years ago, and it does take the weather.

BLUE ACCENT (M. Olson). THIS was new to me and I liked it very much. The standards are well formed and the falls have nice blue violet beards. The flowers are pure white. I'm interested in this line. Nice.

CHARMED LAND (F. Crandall). I have had this one for a long time also. It's a welcome sight to see it doing so well in all gardens. Another in the blue-white with blue beard line. A real good doer and a crowd pleaser.

SIBONEY (Frances R. Evans). Another new one for me to drool over. The standards are burnished gold and the falls are lavender (veronica) with a darker area at the orange beards. Another of the different things that will be a hit.

QUIET SKY (Cook). This was off to itself and was quietly getting its share of the attention. It's always nice to see old friends doing so well. If you like EMMA COOK, you'll like this one even more.

Some of the other things that I liked in general were . . . SUN COUNTRY (Plough). It was as nice here as in Chicago. Even better for me here at home. ULTRAPOISE (Noyd). This was a real hit in every garden. It bloomed for me too, and I'm not the same. Brilliant and a must for many. SWAHILI (Plough). This is perhaps the best of all of the dark red-blacks. It was hot in Memphis for a couple of days, and this one was holding firmly. Want to see this one again.

LILTING MELODY (Palmer). A beautiful pink that really hit me full force. It looks better each year. All good points and a good garden iris.

JUST HEAVEN (C. James). This iris is one that I place very highly on my want list. In Denver, it was one of the prettiest I had ever seen. Perfect form with slight blue standards and white, full falls. Perfect branching and form. MUST GET THIS ONE!

TERRELL'S T-60-83. This was at Jake Scharff's and was very nice. Seems to have FRANCES KENT in its breeding and a vivid red beard. Nice form and branching. Want to see this one again too.

ESTHER FAY and NEW ARRIVAL of Fay's. Two very nice pinks. Another unusual pink was ROSA BLEDSOE. You have to see this one to appreciate it. The standards are a beautiful tint of pink while the falls are tangerine. Nice full flowers with tangerine beards. This belongs to Bill Bledsoe. PICTURE

PRETTY (Noyd). A clump of this was a pretty picture. The standards are tangerine pink and the falls are lighter, edged the same as the standards. Light tangerine beard.

LEORA KATE (Buckles). I saw this one as a seedling, but this year it was far more beautiful than I had ever remembered. This was a hit with most everyone. The color is a greenish yellow with all good points. This one is a clear clean color and one that I feel will be very popular. See it and you'll like it, I'm sure. TORCH BEARER (J. Nelson). Seen only in a couple of gardens, this was a commanding thing that will surely be one of our better irises. A brilliant brown with darker area below the beards. You'll be hearing about this one.

## The Harding Garden

LARRY L. HARDER

Southern hospitality was reigning supreme and AIS convention guests saw it reaching its highest peak in the garden of Mr. and Mrs. P. M. Harding. The atmosphere of the garden was an Old South setting with the home having been built in 1803. Belles dressed in crinolines in the styles of a hundred or more years ago greeted the convention members at the entrance of the garden. Little girls in their long shirts and ruffled petticoats were playing croquet on the lawn under a huge oak tree, while their older sisters and friends in their beautiful costumes strolled in the garden amongst the AIS guests.

Our noon lunch was served in this garden and it was typical Old South picnic style. AIS guests were treated to hominy and grits, turnip greens and possum fat, delicious southern style fried chicken, wild blackberry cobblers, etc.; all being served Old South style—straight from big old black open fire cooking kettles.

The beautiful trees in this garden created a jewel-like setting for the iris borders which had only been established four years previous. Old time favorites in iris were blooming in the many borders, much past their peak, to the disappointment of AIS members, but still giving good color to the garden.

Iris that were still performing nicely were LUNAR FIRE (D. Hall 1963, a good apricot colored iris, a little narrow at the hafts, with a bright tangerine-red beard; branching could have been better. GYPSY JEWELS (Schreiner 1963), a red iris that I have seen performing with better coloration. Here it showed more of its haft markings and color was deeper, but I will still list this as one of our finest red iris, fair branching and nice height. It is one of the red irises that has a little flair and ruffle in the form of the blossom. RIPPLING WATERS (Fay 1961), always a favorite, blooming in Memphis gardens with smaller flowers than I have ever seen it have, but still with that delectable color of pink and blue blended in an orchid iris. This has three way branching and stiff ramrod flower stalks. HIGH SOCIETY (El Dorado Gdns. 1960), a lovely flower with light lavender-pink standards, falls purple with a wide border of the same color as the standards. I liked its different color combination. It is very similar to WINE AND ROSES. CROSS COUNTRY (Knocke 1963), was performing beautifully. The light blue flowers displaying opulence of form were held on a very stiff stalk with good branching. The flower has a small white patch around the light colored beard which deepens to yellow in the throat of

the flower. SIVA SIVA (Gibson 1962), was performing well. This much talked about plicata has got such fiery colors that it sets out so much from the general run of plicatas. NITTANY (Hunter 1964), from CAHOKIA X VIOLET HARMONY, was performing beautifully for convention guests. It is a medium blue with a violet cast, white beard, has lightly ruffled standards and falls, three-way branching just a trifle high, and three buds to each socket to give a long bloom season. PACIFIC HARMONY (Terrill 1962), was putting on a good show, six bloom stalks on an established clump, nice branching, good medium blue color with a white tipped beard, nice form to the flowers. Marvin Olson's seedling 62-55A was performing nicely. It is a very nice golden yellow with a matching self color beard, very nice cupped standards with fluting, falls flaring, but a trifle narrow and with some lace which it inherited from one of its parents, BUTTERSCOTCH KISS.

A very clever edging idea was used on many of the iris beds in this garden. PALTEC (the interspecies cross which is blue-violet) and WARBLER (a table iris which is yellow) were used to create the edging, first one being planted, then the other, altogether making a very lovely sight.

Mr. and Mrs. Harding were the ideal host and hostess. They thought of everything to please their guests. Convention goers had been warned that there would not be washing facilities at the Harding garden where we were to have our lunch, but when we got there, the Hardings had set up washing pitchers and bowls, supplied the water needed, and even had a maid to help. How is that for true southern hospitality?

## The Harrel Garden

JOSEPH O. (JACK) RILEY

"Y'All Come In" was the greeting from Mrs. Harrel's gardener, and what a pleasure to accept the invitation. The garden gave every indication of excellent care and careful grooming. Actually, Mrs. Harrel's garden is three gardens. One section is devoted almost altogether to azaleas. Another section gave additional evidence of careful planning with groups of azaleas, clumps of philadelphus and beds of Siberians, all offset by borders of hostas and interspersed among plantings of holly. I was informed that the Harrels grow some twelve different varieties of holly. In the Siberian bed, ERIC THE RED and TYCOON were blooming very well and the contrasting colors formed a very attractive picture.

On the north side of the house, a fine rose garden was providing excellent contrast to the nearby iris bloom. I must take time to mention the rose, QUEEN ELIZABETH, which was carrying buds a full six feet in the air. A profusion of bloom made the rose section a delight to the eye. However, since comment is to be made on the garden as an iris showplace. I shouldn't dwell too long on the other fine things growing there.

A hedge planted all the way across the front of the Harrels' yard was used very effectively as a backdrop against which the iris bloom showed to excellent advantage. The beds were not too wide, permitting viewers to easily see and note the features of the iris planted at the back of the bed. IRIS PALTEC was planted as a border and in many cases provided an excellent offset to our favorite flower, the tall bearded iris. A fine pin oak provided partial shade on



The Harrel garden

one side of the garden. I was fortunate in being able to visit the Harrel garden on two different occasions and the following varieties were outstanding.

FRONTIER MARSHALL, a new red from Schreiner's Gardens, was showing very well in the 85 degree weather which was prevalent in Memphis. This flower did not appear to be effected by the heat, as has been the case with so many of the reds in the past. In addition, I believe FRONTIER MARSHALL has the cleanest throat that I have seen in a red iris. Unfortunately, I did not get to see BLUE PETTICOATS and CRINOLINE in bloom. The well ruffled cream from Schreiner's Gardens, BRIGHTSIDE, was in very good form. This iris has a very happy combination of smooth color and ruffling, and makes both a fine garden clump as well as a good individual item. KIMBERLY, a light blue plicata, which I had not previously seen, was blooming very well. Many have said that pinks are a dime a dozen, but Dorothy Palmer's LILTING MELODY has a personality that is instantly attractive. Light in tint with a coral beard, flaring falls that are nicely fluted and with a hint of lace, plus good spacing on the stalk, gave this iris a pert air that drew the close attention of all visitors. Joe Hoage's AZURE STRIPES continues to be in a class by itself, both in color, form and performance. Standards are medium blue with falls of the same color and striations of deep blue radiating from the beard. The well cupped standards, flaring falls and good stalk make this a truly distinctive iris. SHEER JOY would be truly "Sheer Joy" in any hybridizers garden. This nicely laced, nearly ruffled flower, I am sure will make a place for itself in the white class. The garden effect is white, although some might call it a very light cream. This impression is increased by the light yellow beard and the slight yellow infusion in the throat and haft. Branching was good. CAUTION LIGHT, by J. Nelson, a new yellow, was well held on a very good stalk. ARCTIC SKIES, by Orville Fay,

looked better than I have ever before seen it. The very light blue standards showed in definite contrast to the almost flaring white falls, presenting a very lovely picture to all who cared to look.

CURLS OF GOLD, the ruffled yellow, and BLUE FRECKLES, the light blue plicata from Bill Schortman, were blooming very well. BAYADERE, KISSIN' KIN and RASPBERRY SWIRL from Opal Brown were in very good form. Hybridizer Rex Brown was well represented by his HEAVENLY PINK. This deeper toned pink with a wide coral beard was shown to a good advantage on a very good stalk. Other iris of slightly earlier period which were giving an excellent account of themselves were MISS INDIANA, from Paul Cook; CELESTIAL SNOW by Bro. Chas.; BRIGHT CLOUD by Opal Brown; FIRE CHIEF by Dr. Galyon; LASATA by Mrs. Hinkle; DUKE OF BURGUNDY and FRENCH FLAIR by J. Nelson.

Only the slight lateness of the meeting date kept us from viewing this garden in what must have been almost perfection. Certainly the Harrel garden was one of the finest on the convention list and we extend our very sincere compliments for the fine presentation of the iris grown here.



Ketchum Memorial Iris Garden

## The Ketchum Memorial Garden

RAY C. ALLEN

One of the features of the Memphis convention that many looked forward to seeing was the famous Ketchum Memorial Garden in Audubon Park. This is one of the four or five really outstanding public iris display gardens in the country and from many points of view one of the very best planned for educational purposes.

The garden was named in honor of Mrs. Morgan Ketchum who was a pioneer in iris growing and hybridizing in the Memphis area. After her death in 1953, her son gave her entire iris garden to the City of Memphis, and the Park Commission and the Memphis Area Iris Society are responsible for the care and general supervision of the garden.



While a severe hail storm had played havoc with the plants and blooms there was still some good blooms and many ideas could be gained by studying the over-all objectives and organization of the plantings. First, the garden could not help but give enjoyment to anyone who likes irises (and who doesn't). Second, there was a definite attempt to arrange the plantings to make it easy for visitors to learn something about the types of irises and to be able to see the best of the old as well as the new.

There was for example a planting of all the Dykes Medal winners in both America and abroad. It wasn't hard to see the advance that has been made in the last forty years. This was further borne-out by the nearby collection of historical iris displayed because of their interest as the progenitors of modern varieties.

Iris beds were devoted to the Award of Merit winners of recent years.

There was a bed devoted to the originations of Memphis hybridizers and several beds to AIS. Symposium and Judges Choices varieties for 1962. At least two beds were given over to guest irises for the 1965 convention. Other beds contained a fine collection of median varieties and there was also an extensive planting of spuria and Louisiana varieties.

This is the kind of garden one looks forward to going back to see at the first opportunity because there is so much more there than just the very latest or the "iris of the future." Situated in lovely Audubon Park with its fine landscaping and trees and shrubs, and only a short walk from the beautiful new Goldsmith Garden Center, where the iris show was held, the Ketchum Iris Garden will be a "must" on the list of all iris enthusiasts whenever they can get to Memphis in iris time.

## The Martins' Garden

### *Flags, Dogs and Irises*

OREN E. CAMPBELL

Before you assume that I am referring to the irises as flags and dogs, let me assure you that this is not the case.

The flag refers to "Old Glory" that overlooked the garden and the visitors. Who does not feel a tingle run up his spine when he sees our Stars and Stripes?

The dogs are the five Registered Irish Setters of whom Luther is so proud. His pride and joy is a young dog that has won points toward a championship.

The Iris Garden. To fully appreciate this garden one must have had the privilege of knowing Mildred and Luther. Both work for the U.S. Corps of Engineers at Memphis. Luther has worked there for 32 years and Mildred is a Registered Nurse in their First Aid Station. The Martins have long been dedicated workers in the Memphis Iris Society and they contributed greatly to our enjoyment at this convention. The raised iris beds border their rectangular side yard on three sides with *Paltec* irises and yellow pansies as border plants. Their garden house is in one corner of the rectangle and what a lovely place to sit on its covered patio, see the lovely flowers and dream of another year. The seedling patch is down a gentle slope from the back of the house. Their spacious landscaped grounds occupy about three-fourths of an acre so they have lots of room for expansion.

Nature has not been especially kind to the gardens this year. The winter was cold and dry, and after new growth had started a very hard freeze came about March 27. A lot of bloom stalks were killed while many were dwarfed and/or misshaped. In spite of all the difficulties the following appealed to me.

*Blocker's*, EDITH EDMAN, ELLAN MANOR and CLARION ISLAND.

*Blodgett's*, CAREER GIRL a good pink, *Rex Brown's* big pink IRENE BROWN. *M & L Crawford's* MAID OF INDIA is different.

*Georgia Hinkel's* DAISY POWELL is a big rose. Somehow I have come to expect Georgia's lovely irises to be blue or white, although I know she works with many colors.

*Dr. Knoche's* CROSS COUNTRY, *J. Nelson's* SMART SET and TORCH BEARER.

*Noyd's* ULTRAPOISE was lovely wherever it was seen, and FLUTED GLORY.

*Marvin Olson's* seedling 61-2-E of the WHOLE CLOTH type, *Plough's* BON VIVANT, CRYSTAL RIVER, CORAL BUTTE, CLOUD DANCER, LHASA and RAINBOW GOLD were showy. MILESTONE was certainly different.

*Neva Sexton's* NEW FRONTIER with all its lace and frills will never allow you to confuse it with anything else.

*Eva Smith's* GRACIE PFOST showed why she was chosen Queen of the Memphis Show.

*Reynold's* OVER SEAS HAVEN, *Jesse Wills's* ALEMBIC and BRIGHT HERALD. BRAVE SNOW in a clump is an outstanding garden attraction.

*Henry Walter's* KAMI-KAY, *Fay's* ARCTIC SKIES and RIPPLING WATERS will stop the crowd, as will *Shortman's* TELESTAR, *Hamblen's* BRIGHT FORECAST and ORANGE PARADE.

*C. Benson's* HENRY SHAW, *Vallette's* ROYAL REGALIA, and *Shoops* 1965 SPANISH GIFT.

*Luther Martin* has some very good plicata seedlings; one of the best is his 12-10. Watch for it.

Although it was past peak bloom in all the gardens, we had the opportunity to see many lovely irises.

I am sure that Mildred and Luther would enjoy having you visit their garden again during another bloom season.

## The Miller Garden

JIMMY WILLIAMS

Having made garden tours for three days, I was quite amazed at the fine condition of the Miller garden. Although the garden was past its peak, it gave the impression that, notwithstanding that the irises had been blooming for four full weeks, they wanted the viewers to see how successfully Mr. and Mrs. Miller raise lovely irises.

It was such a well-groomed garden. Not one weed or sprig of grass could be found. There were no faded blooms. The bloom stems were nicely trimmed as well as the foliage. It was evident that this garden was well-tended.

The first two beds of irises contained many new varieties, including approximately 10 guest irises under name and 10 under number. These guest irises were supplied by 36 hybridizers located all over the nation. The

Millers are very appreciative for their tremendous response to their plea for guest irises.

The Millers grow some 450 varieties of dwarf, border, and tall bearded irises. This gives opportunity for a long bloom season. The irises are planted in raised beds. Soil is a type of sandy loam, having a generous amount of sheep manure and bone meal mixed in the beds before planting. In October, and again in March, an application of 0-20-20 commercial fertilizer is used.

This would be called a back-yard garden with a signal bed in the front yard. It is on a level corner lot with full view on both street sides.

Blooms observed in the Miller Garden were of very good quality. This was the fourth week of bloom and new bud stems were still coming up through the fans. PICTURE PRETTY had such a desire to show off this season that eleven fans produced fifteen bloom stems leaving the plant with very little chance of survival. Approximately 90 per cent of the varieties in the garden have bloomed this summer.

Mr. and Mrs. Miller certainly know how to win the hearts of the irisarians visiting their garden. Hot biscuits and ham, topped off by delicious cake. Thank you, fellow irisarians, for such warm welcome to your outstanding garden. We wish we could come back every year.

## The Murrah Garden

J. ARTHUR NELSON

Our writer for the Murrah garden either has been lost somewhere in the vast expanses of America, or there has been faulty transmission of the material; whatever the reason we now find ourselves with notes more centered on color classification than on other factors turning our attention to this distinctive garden. And distinctive it is. One is overwhelmed with the feeling that he would like to tramp the surrounding woods and countryside to explore the plants native to the area; one is equally overwhelmed with the peace and tranquility of this garden setting, a little apart from the stream of the world, and yet with the ability to look out on the hurry and bustle of that world as it rushes by.

I was interested in seeing once again PACIFIC PANORAMA, which was universally so good last year. The pale blue JUST HEAVEN was doing well, as it seemed to do in most of the Memphis gardens. I want to see again Lloyd Zurbrigg's MARGARET ZURBRIGG; there seemed to be the presence of promise here. I particularly liked Reynold's FLUTED HAVEN, and this is on my must list. INTRIGUER, as usual, intrigued me. FIFTH AVENUE was a fascinating color, and I liked the sturdiness of BLUE BARON. JUNGLE SHADOWS always attracts attention; some like it very much and others are startled. I always am impressed with the steady performance of VIOLET HILLS. MERRY RIPPLE was a nice plicata, blue on white. Opal Brown's CEDARCREST looked good. GRANADA GOLD showed possibilities, and I want to see it another year under more normal circumstances. MUSIC MAKER was another I studied for a little while, and again I would like to see it under growing conditions in a more normal season. ROYAL FANFARE and BLUE FANTASY were doing nicely, as were LOVILIA, LICORICE STICK, and MARIE PHILLIPS.

It always is a matter of regret that whistles blow before one is ready, and

this is aggravated in my case because of the added time taken for color classification.

In this garden, as well as in all of the other host gardens, that special quality of the hospitality of the South was in rich evidence, easy and natural and delightful and charming.



Jake Scharff garden with Jake and George Mace

## The Scharff Garden

C. ROBERT MINNICK

I was very pleased to be asked to report on this garden, for it was very obvious that Jake had spent many hours planning and preparing this garden for the pleasure of the Memphis visitors.

We entered the garden through a tall holly hedge, and as we stepped through the gateway the view was breathtaking. The garden sloped gently to the back, with the rows arranged that there was ample room for the visitors to view the irises from the grassy paths. It is an open garden, but it is surrounded with beautiful trees and shrubbery which provide the protection needed from high winds. The beds were outlined with stone and yellow pansies, and these enhanced the beauty of the beds as border plantings. Two beds of well-grown roses showed that Jake grows other plants well, too.

Space could not be allowed to say all that could be said about this garden, but I would like to mention some of the beautifully grown irises that were putting on a show for us.

STEPPING OUT (Schreiner) is a very large dark violet ground plicata. It

was very pleasing and striking in appearance, and certainly an eye-catcher. It blooms on a very strong stalk that holds its flowers in a pleasing manner. It has garden appeal and is a very strong grower.

ROYAL GOLD (Hamblen) is a future introduction of Melba Hamblen's. It is one of the finest deep orange-yellow irises with a very orange beard. It has class, grows well, has good branching, has garden value to spare, is an eye-catcher, and one that will be a must with iris growers.

GOLDEN SNOW (Palmer) is another future introduction, and one to look for when it is available. If it is in a garden, it is bound to be seen as it will be one of the first to catch your eye. It is a clean warm white, with deep clear yellow on the hafts extending beyond a bright orange beard. The branching is good and it is a strong grower.

Lapham 13-62. This is a very good deep red. The standards are slightly lighter, the falls flare nicely, and the beard is a deep bronze. The branching is good and the growing habits are good.

Terrell T 6083. This is a very attractive iris that grows well, is well branched and has a lot of garden value. The standards are lemon yellow with a pink flush, the beard is a very vivid orange, and the falls are yellow with a definite orange flush. Deeper orange-pink hafts make this a very striking iris.

TUXEDO (Schreiner) is a very deep rich blue-black. It is a large iris that will withstand the wind. It has a strong stem that carries the flowers well and the branching is very good. It attracted attention with its striking appearance and style.

SOUTHERN COMFORT (Hinkle) is a pleasing iris of light cream with matching beard. It has nice ruffled form and the flowers are placed well on a well-branched stalk.

KNOCKE K-44. This is a very attractive deep violet plicata with colors blended just right. The ground color is white, which shows only slightly in the standards. The branching is good and it carries many open flowers on a strong stalk.

LILAC CHAMPAGNE (Hamblen) is a very attractive smooth colored flower with cream standards and blue-violet falls. This color combination was all the more pleasing with the yellow beard. It had many bloom stalks on a two year clump.

CRYSTAL BLUE (Schreiner) was a very clear frosty blue. The flower was of good form. It had good branching, a sturdy stalk, and was blooming well.

RUDOLPH 62-06. A very cool clean white with some green influence in the falls, which are large and flaring. The standards are closed, and this well-balanced flower is made more attractive by a bright orange beard.

ROBINSON 60-65. This is a very deep purple self with a deep matching beard. This is an iris to look for in the future.

SHOWMASTER (Selle). This is a soft brown iris which is a different color from past introductions. This has good branching and is a good grower.

These are just a few of the many well-grown irises in this garden. As always, any visit to a garden as beautiful as this one is too short, but nevertheless worth while. There were moans of regret when we were called back to the bus.



PINK LURE (Hooker '63) and Lerton Hooker

## The Smith Garden

LERTON HOOKER

Twelve or fifteen years ago, McCorkle Road went through a pine and oak wooded area with few houses along the way. The beauty of the woods, the songs of birds, the friendly squirrels and woodland animals all helped Helen Smith to decide to build her home here. There still is a wooded strip across the road, covered with pine and oaks, which must be beautiful in the fall. McCorkle Road has built up and it now is lined with lovely suburban homes with well-kept lawns and a friendly, neat appearance.

Helen is a secretary and apparently the kind of "Girl Friday" that every executive hopes to have work for him. Her home and her flowers are her hobbies. Except for occasional help from a neighbor high school boy, she does all the garden work herself.

Her large rectangular iris beds are raised and have eight-to-ten inch brick retainer walls. The irises are liberally spaced and most clumps are large, free blooming and had minimal winter damage. She said that the iris clumps were second-year growth, and most had been set with two or three rhizomes. Her cultural procedure is to pop or cut out all stalks after blooming. Following a rain, she sprays with Cygon according to the directions on the bottle. In the fall, and again in early spring, two or three tablespoons of 0-20-20 is spread around each clump. Shallow cultivation during the summer keeps the soil loose, but is not deep enough to bother the roots.

As we left the buses we all rushed to the excellent iris display in the big bed along the right of the front lawn, to the bricked-in bed along the side of the house, and through the gate into the spacious backyard. There we found a scattering of pine and oak trees, the bricked-in flower bed along the rear of the lot and two special raised beds of guest irises which we could view from all sides.

Irises making a good showing on our convention day tour included SKOOKUM and ULTRAPOISE by Noyd. The bright yellow-gold color and orange beard made ULTRAPOISE very impressive. Big clumps of MELISSA, SYMPHONY, RAINBOW GOLD, ECRU LACE, LHASA, ROSEANNE and CRYSTAL RIVER all looked good. There was an extra good clump of the big white and ruffled FEATHER FAN. IVORY LACE, WESTERN WELCOME, LYNN REID and MODERN TREND all were making a good show. PARTY DOLL was a gorgeous sapphire blue with a whitish beard.

Miss Smith says that she loves IRIS because it is the Tennessee state flower, because it offers such a wide range of colors and for the magnificent beauty.

As we were about to leave, we noticed the concern of a robin over so many people disturbing her three babies in a pine tree. The little ones stretched their necks, opened their mouths, and begged for food. As if enjoying the whole affair, a young finch was flitting about the pine, watching the robins and the people, as if trying to say, "This is a wonderful world, a beautiful garden, a happy place to be." The same welcome seemed to radiate from our hostess, Miss Helen Smith. It seemed to be the sentiment of her guests, too.

## The Stovall Garden

ROY BRIZENDINE

Our first glimpse of the "Garden Home" of the J. D. Stovalls' was from a vantage point above it. It was evident that the carefully arranged plantings were made over a period of many years of planning. The mixed border that stretched across the front and down the sides gave a feeling of privacy.

A deeper planting in front of the house with well-spaced boxwoods, peonies, and johnny-jump-ups with an edging of pansies caught the eye. From a distance this seemed to be a setting for the long row of tall, brilliant red amaryllis, all blooming the same height. This joined an iris bed featuring exclusively the introductions from the Reynolds Gardens. I especially liked their BLUE DAMSON, a thirty-six inch deep blue-violet self, with a deeper blue beard, and good branching.

Every suitable space on the house and garage held a clematis, all in full bloom, and each a different color. Behind the house were pecans, a tulip poplar, redbuds, pines, azaleas and many unusual shrubs. The beds were raised two brick high, and had borders of pansies, *paltec*, and one with red-ripe strawberries for an edging in front of the irises.

Hamblen's FASHION SHOW had many stalks of well placed flowers. This hard-to-describe violet and mauve beauty has wide flaring falls, with the necessary good branching. JUDY MARSONETTE, Hall's new pink, had a lot of color depth with a red-tangerine beard. It was only 30" tall, but the bloom did not seem crowded. Schreiner's BRASS ACCENTS had so many stems of this

golden-brown iris that I feared it might be a bloom-out. It was standing the hot sun and wind very well.

Jesse Wills' new BRIGHT HERALD, a close approach to a red amoena, was a remarkably good flower on a well-branched thirty-four inch stem. PRINCESS ANNE (Zurbrigg), a fine wide yellow and white combination, was even more beautiful in this garden than in my own. It too had good spacing and branching.

Palmer's 4562 A was a deep rose-purple with a deeper blue beard. The wide flaring falls had heavy substance, and good stem, although somewhat high branching in this garden.

JAIL BIRD, a novelty from Jake Scharff, was very popular. A buff-yellow self with mahogany veining over the entire flower. Cliff Benson's 58-5-B, another of his medium blue beauties, on a well-branched thirty-five inch stem. This was really nice. The best branched iris in the garden was Eva Smith's GRACIE PFOST, a rosy blend with a bronze beard. No wonder it won the rosette at the iris show.

It took much urging by my wife to get me into the house to see the iris antiques. My vision of the usual checked and cracked items was wrong, for these were carefully selected, rare pieces, all in good condition.

As we entered the family room the fireplace was the setting for many shapes and sizes of vases, cookie jars, pitchers, waste jars, and other china pieces. All had a blooming iris design, hand-painted, embossed, or printed on its side. Many prints and pictures of irises were also displayed.

The focal point of the living room was a "French fire screen" with a cherry-wood frame, with full length stalks of irises hand-painted on black taffeta, and framed in glass. The oldest piece—a Royal Bonn clock of the seventeenth century—graced the mantle.

Beside the fireplace a built-in china case held many fine specimens of vases, pitchers and teapots. A set of serving plates in "Bavarian china" with a wide royal-blue band, and iris hand-painted in the center, was most outstanding. On the floor were large jardinières, and an umbrella stand of majolica ware in blue-green. A bowl of irises done in needlepoint with a gold frame hung on one wall.

In one bedroom there was a complete matching wash basin set decorated in an iris pattern, lamps too, in open metal work in the same design. Yes, even to an "under-the-bed" necessity of the past, with a large blue iris in a raised design. Bed spreads, curtains, towels, and an upholstered chair—you guess the design.

There were many exquisite pieces of etched glass, French art glass and other pieces, spaciously displayed in other rooms. But our pretty auburn haired bus captain was calling for us to board the bus, so we reluctantly bid the Stovalls goodbye.

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#### BETHLEHEM STAR (Sdlg. 64-5-7, Doris Foster) H. C. 1964.

Arilbred, E., 28" (Jallah Effendi x Kalifa Baltis) X (Imam Salah x Imaret). Brilliant yellow arilbred of great beauty. Sharply contrasting dark maroon signal. Gold beard. Touching standards, falls hold recurve. Wonderfully fertile pollen—pods readily. Early orders will receive one of Bethlehem Star's better siblings for breeding ..... \$25.00

#### DORIS FOSTER

321 East Montecito Avenue—Sierra Madre, Calif., 91024

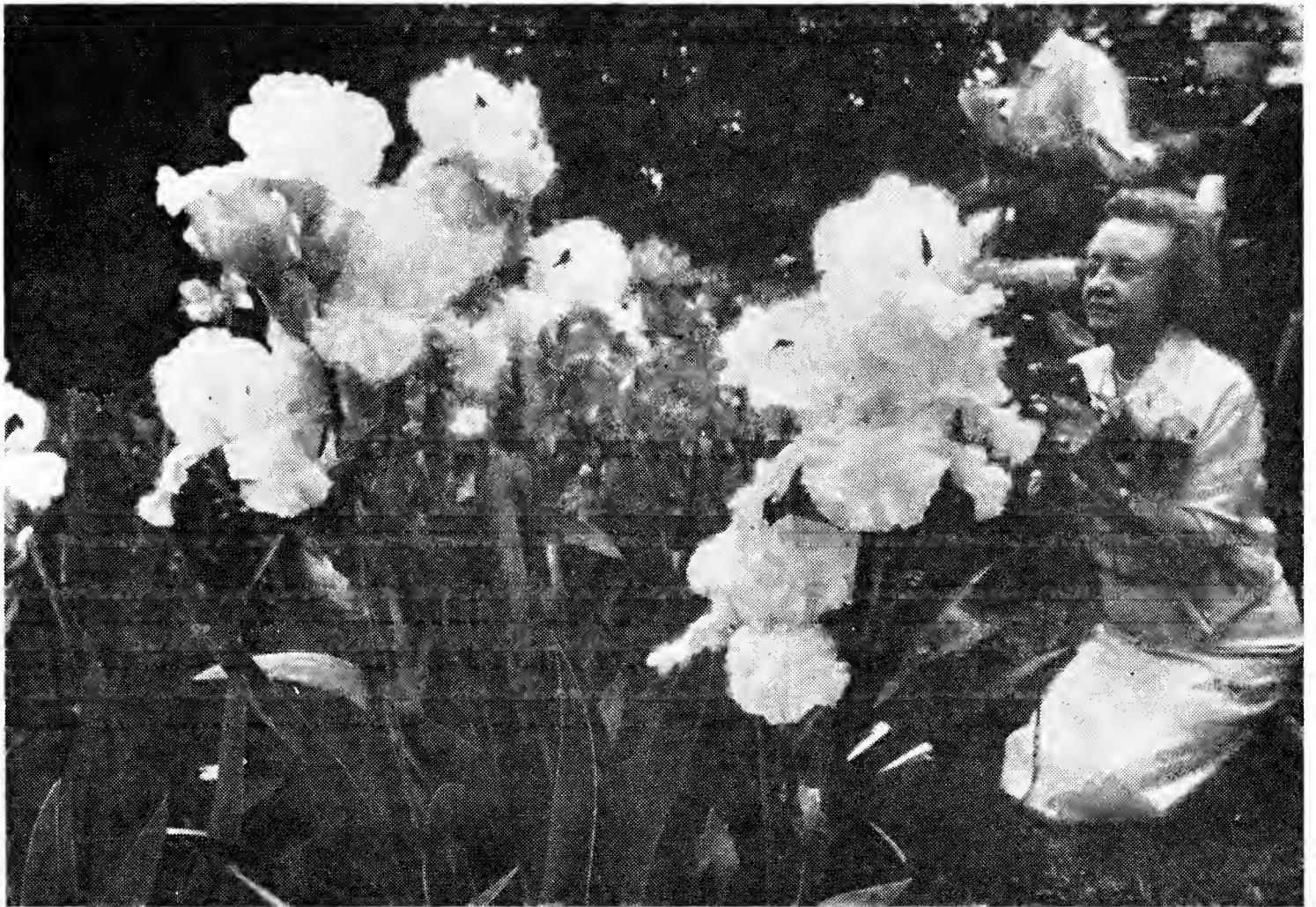
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# The Tipton Garden

ELIZABETH BERGIN

The fragrance greeted you as soon as the bus doors opened, and you stepped off into a world of flowers—that's what the Tipton garden was like. Waxy blossoms of a 50 foot magnolia tree at the entrance were the source of the first wave of heady perfume. Supplementing these were dozens of syringa or mock orange bushes, a new variety unfurling countless fluffy white flowers, larger and more fragrant than the older varieties. Contributing their share of fragrance was the provocative bouquet of small perennials—fresh and spicy dianthus, wild sweet williams and pinkish lavender phlox, pansies and old fashioned foxgloves.



WHITE PRIDE and Mrs. Joe Bergin

Shade from many trees towering 100 feet in the air did not interfere with the prolific bloom of irises displayed in the well-kept beds in this spacious garden. Huge clumps of favorites vied with the smaller plantings of well-grown guests and attracted admiring comment from the visitors. Among these, the rich magenta blend of PATIENCE, the large pink blooms of PICTURE BOUQUET and the dark purple TOTAL ECLIPSE—all were excellent in established plantings.

BRIGHT FORECAST, Melba Hamblen's glittering gold, was unfurling two heavily laced fat buds. The beautifully branched COURT BALLET of Moldovan, and ESTHER FAY both presented a picture of pink perfection. The luscious

color of COUNTRY CREAM, a well-named introduction of Mrs. Hattie J. Sparger, was on beautiful view here, as in other tour gardens. A flaring flower, with tall stalks, good growth habits and many buds, it does its ancestor, STARSHINE, much credit. Mrs. Sparger was present to hear the chorus of admiration and receive congratulations on its performance. With its delicate pinkness, and lovely form, a generous clump of BREATHLESS left one just that. The rosy hue was deeper in a newer planting of W. T. Bledsoe's ROSA BLEDSOE. Only two blooms remained, but were enough to remind one of the color of BRIAR ROSE with much larger and better formed flowers. In a larger clump this shade could produce quite an emotional impact.

The brilliant ULTRAPOISE was magnificent here as in many other tour gardens. Clear, singing yellow, exceptionally well-formed blooms on excellent branching with many buds made it a strong contender for first place in the visitors' affections. TERRY ANN, the lovely fluted arilbred of Mrs. R. L. Campbell, contrasted its hazy blueness with the salmon colored blooms of a small Louisiana iris—was it Lockett's Luck?

At the end of each bed were showers of golden stars—a low-growing hemerocallis—and bordering the beds were rows of bright gold pansies, all attesting to the importance of shades of yellow in landscaping.

Zig-zagged bricks edged many flower beds, and the vari-colored cloud of columbines, white lawn swings and wrought iron benches and chairs spoke eloquently of the lavish hospitality of the old South, and our gracious hostess.

The Tipton garden and its blue mirrored lake will be a treasured memory of the Memphis convention.

## Irises I Liked in the Tipton Garden

CAROL E. WALTERS

GOODNESS (Babson '62), a noble flower, with the hint of blue in its heart accenting its whiteness and wideness.

ROSA BLEDSOE (Bledsoe '63), well-formed flowers of a warm ashes of roses coloring are nicely held on well-branched stems.

CARPENTER 59-6, a very smooth soft peach with deeper but matching beard, whose thin stem and flexious branching remind one of a miniature tall bearded (table) iris, holding each rounding flower out so that it is displayed separately.

HAMBLEN 8-88 an unusual rich smoky mauve, liked by many visitors, a favorite of our hostess, and a worthy addition to Melba's line of unusual blends.

ULTRAPOISE (Novo '63), whose vivid red beard on a brazen gold flower attracted attention from all who saw it here, as it did in all the tour gardens.

PALMER 136-2C, a pleasing yellow self giving a workmanlike performance.

MT. REPOSE (A. & E. Watkins). This attractive blue measured up well to the Watkins standards for size, form and quality in this color class.

PACIFIC HARMONY (Terrell '62). A deeper blue whose flaring form accentuates its size and substance; consistently good everywhere it has been seen this year.

DARK FURY (Luihn '62). One of the few dark colored iris looking really dark and velvety in this region.

FOURTH OF JULY (Reynolds '62), whose light smooth lavender-blue flowers sport beards which are very red in the throat, but surprisingly tipped with blue at the outer ends, giving a most unusual effect.

HIGH LIFE (Schreiner '64). A much improved version of the older wine plicatas such as BURGUNCY SPLASH, and a very sumptuous flower.

THUNDER ROAD (Tompkins '64). An intense rich blue of excellent proportions which holds its flaring flowers sufficiently away from the stalk to show to advantage.

The HAVEN series (Reynolds), all consistently well-branched and clearly colored, doing a workmanlike job of providing quantities of good garden effect.

## The Sanders Garden

ARNOLD SCHLIEFERT

My friend J. Arthur kids me about raising irises by the acre and harvesting rhizomes by the wagonload. You then can imagine my embarrassment when, faced with missing copy, he asked me to write an account of the Sanders garden, and I had to confess that I was so enamored with the roses that I almost forgot to look at the irises.

But I am sure that I can be forgiven; I had plenty of company. This southern setting of a modern home nestled among oaks, and the homestead surrounded on all sides by broad acres of cotton fields was something to stop a northerner in his tracks. And that acre of roses in the backyard so completely engrossed me that I almost forgot what I was there for; that many roses so well grown is a magnificent sight. It was an enthralling experience.

But the better half of the family saved the honor of the family; she did get to view some of the irises. The Sanders garden is on the southern end of the convention tour, and most of the irises had bloomed out on the day we were there, but she noted some things that were doing well. ANTOINETTE (Schreiner '62), a light yellow self, was performing well, and she liked it. Fay's white ARCTIC FLAME was standing sturdily in the southern heat, and Schreiner's TYROLEAN BLUE offered a delightful aura of coolness to southern temperatures. Melba Hamblen's CORABAND seemed to fit the atmosphere.

I have a feeling that a week earlier would have displayed irises that would have surpassed even the magnificence of the roses.

# *From the President's Desk*

The 1965 convention now is history; the Memphis group is very thankful. Bloom was not as good as we had hoped that it would be, but from all reports everyone had an enjoyable time. There were 657 registrations, and 64 others attended one or more of the tours.

As usual, official business was held to a minimum, but the REGIONAL TEST GARDEN PROGRAM was approved by the Board of Directors, and the basic rules governing the program was adopted. These rules are the result of considerable correspondence with hybridizers, commercial growers, Regional Vice Presidents and other members, as well as between Board members. The rules were approved by the RVPs in the Board of Counsellors meeting before they were adopted by the Board. The rules are as follows:

1. The Regional Test Garden will be under the direct supervision of the Regional Vice President, but he may appoint some other member or a committee of members to be in actual charge of the test garden.

2. All seedlings will be grown under a code number, which will identify the Region in which the garden is located, the year that the seedling is received, and the seedling itself. An example of such a number is 1-64-63, which is decoded as follows: Test Garden located in Region 1; seedling received in 1964; and seedling No. 63. If a Region has more than one RTC, the Region number will be combined with a letter of the alphabet, as 1A, 1B, etc.

3. The Regional Test Garden Award will be voted on by the accredited garden judges under code number only.

4. The AIS Awards chairman will be notified annually of the identity of each newly planted seedling submitted for testing. On receipt of this information, the AIS Awards chairman will annually designate such gardens as official AIS Regional Test Gardens, provided compliance with the rules has been made.

5. Accredited AIS Garden Judges have the privilege of voting for a total of ten (10) RTG and HC awards, in any combination. If the vote is for an HC award, the seedling number and the name of the hybridizer is to be entered in the appropriate place on the ballot. If the vote is for the RTC award, only the code number is recorded.

6. Both the RTG and HC awards entitle the recipient seedling to be entered in the National Test Gardens for further evaluation. (Inquire from Dr. Raymond G. Allen, Chairman, National Test Garden Committee.)

Naturally, other rules will be needed by the Regional Test Gardens, but these rules are left to the individual gardens, as each Region has different problems to meet. The amount of space available will determine the number of seedlings a garden will be able to accept from a hybridizer. In some Regions it will be necessary to charge a fee for each seedling in order to maintain the test garden.

In line with AIS policies, all seedlings will remain the property of the hybridizer and will be returned to the hybridizer as soon as they have been evaluated.

Also, as has been stated in AIS publications, it is definitely understood that as a matter of "AIS ethics" no use will be made of test garden seedlings for breeding purposes.

Hybridizers who are interested in sending their seedlings to their regional test garden should contact their Regional Vice President for full information as to the location of the garden and for local rules.

ROBERT S. CARNEY

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## *More About the Reticulata Group*

BEE WARBURTON

The small bulbous irises of the reticulata group are coming down in price to where they can be grown in hundred-bulb drifts, as they should be to make a garden impression. Grown so, they make a lovely splash in earliest spring, are completely weather-resistant except to unseasonable heat, and add new color and texture to crocus time. They offer several weeks of bloom since some are slightly earlier than others, and they offer balm for the hybridizer's sore impatience.

Those listed as *Iris danfordiae*, *I. histrio aintabensis*, *I. histrioides* and *I. bakeriana* are earliest. They are followed by known hybrids of these, and then by the "type" *Iris reticulata* and its forms and hybrids.

*Iris danfordiae* is yellow, clear and bright. It is the only yellow except for *I. winogradowii* which is a great rarity selling, when available, for a whopping price per single bulb. A. Evans, in the August 1962 issue of the *Journal of the Royal Horticultural Society*, describes this species as having pale yellow falls with deeper yellow veins branching out from a rich orange central area, and dark brown speckles. He considered that in growth habits and appearance of the flowers it was more nearly allied to *I. histrioides* than to *I. reticulata*. *I. histrio* and *histrioides* are blue, the latter varying from sky blue to quite deep purple-blue. *I. bakeriana* is a bitone blue with a deep blue blotch at the tip of its falls and a speckled display area between this spot and the styles. The form I grow lacks the bright crestmark of the reticulatas. Its hybrids, Clairette and Springtime, show the relationship plainly.

The "type" reticulata, and its variants in more blue or more red-purple, are all similar in their wispy reticulata form. Hercules and J S Dijt are redder, and Royal Blue and Wentworth more on the blue side; Violet Beauty may be some improvement on the "type" which is, without a doubt, either a hybrid or a garden selection and as fine a variety as most of those graced with names. With its delightful fragrance and reliable growth it is a great bargain at the hundred or thousand-bulb price.

To me, the hybrids of *histrioides*, Harmony and Joyce, are much the most beautiful of these small irises. They are wider and more shapely, and they come in a lovely medium blue. Harmony has a bright yellow blazemark, and Joyce's is bright orange; otherwise they are similar. Both are good growers and bloomers. Cantab, the best known pale blue, is not as rich or wide. Thanks to propagation by the Dutch firm of van Tubergen, almost any of these varieties may now be had for a few dollars a hundred, about what a dozen would have cost a few years ago.

The hybrid status of the forms of this group in commerce has been illuminated by Admiral Furse's fascinating account of his collections in *The Iris Year Book* of the British Iris Society for 1963, page 135. A tale of further collections is to follow, perhaps in 1965. Admiral Furse titillates us with brief accounts of some new species, and new species are no longer a commonplace in our iris world. One has recently been named *I. pamphylica*, Hedge.

Of *Iris bakeriana*, the Admiral describes two variants: one with and one without the yellow crest or ridge on the falls. The one in commerce has none, but the only one Admiral Furse collected he described as a lovely large-flowered form with a strong yellow crest. It would seem that the available form is propagated by seed commercially since there is variation in the splash and dot pattern, but these variations seem within a species norm. Its foliage, which is supposed to be 8-sided round so that it can be rolled between the fingers, is here flattened, with three sharp ridges on each side, whereas the foliage of the "type" *reticulata* looks flat semicircular with two heavy ridges on the more rounded side.

Furse reported that over a large area collected *I. reticulata* had pale blue standards and deep blue falls, much like *I. bakeriana*; and also that the "type" *reticulata* often seeds more reddish forms, much like those found wild under the name *I. reticulata* var. *krelagei*.

The available form of *Iris danfordiae* is triploid. It would seem that a diploid form must exist and would be of great value to hybridizers, but we can't imagine a nicer garden form than the one in commerce. We have always heard that it had to be replaced each year because the bulbs shattered into bulblets smaller than blooming size, but from various advices and my own experience this would seem to be because it wasn't fed properly. Thomas Hoog of the van Tubergen firm, and also E. B. Anderson in the same *Iris Year Book* for 1963 (page 72), both indicate that with proper nourishment, it should bloom year after year. It apparently likes good vegetable garden culture. It produces seedpods, which in our garden are underground. Experts have found in them a few small embryos, but so far none has germinated. We intend to keep trying . . . it's fun to have something challenging to do, outdoors, so early in spring.

Dr. Jyotirmay Mitra and Dr. L. F. Randolph published a brief paper on the karyotype analysis of the bulbous irises. They were handicapped by lack of collected species for comparison, as all their plants were obtained from van Tubergen, a firm which has been developing and selecting improved cultivars for many years, and is responsible for the majority of the named varieties in commerce. Studies involved: *I. winogradowii* (2n-16), *I. histrioides* var Major (2n-16), *I. histrioides* (2n-17), *I. reticulata* var Violet Beauty (2n-18), *I. reticulata* var Clairette (2n-20), and *I. danfordiae* (3n-27). Results were inconclusive, and further studies with the Furse collections as a base should reveal much more about the chromosomes of this intriguing species complex.

Such studies have an immediate purpose beyond the purely scientific . . . they serve to direct hybridizers in crossing compatible species and hybrids. If we learn our lessons well, we might have all sorts of lovely little bulbous springings . . . maybe amoenas, bitones, bicolors, plicatas and blends, to add to our iris repertoire.



Clarke Cosgrove, President, and Marilyn Holloway, Secretary-treasurer Spuria Iris Society

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## SPURIAS UNLIMITED

CLARKE COSGROVE

One of the oldest commercial varieties of irises that has been listed continuously for over seventy-five years is the spuria iris A. J. BALFOUR. This deep violet, medium sized flower, was introduced by Peter Barr of London in 1889. Two other Barr spurias that are still in commerce, LORD WOLSELY and PREMIER, are younger, having been introduced in 1899. This trio of violet spurias have graced gardens throughout the world since the turn of the century. PREMIER, with its vivid violet standards and falls with a white area veined and bordered with the same color, is still one of the most popular of all irises with flower arrangers.

The Barr Nursery was established in 1860 and its first iris listings were imported French varieties of tall bearded and other irises, including spurias. Within ten years Peter Barr was offering his own varieties which may have been raised from bee crosses, as were the earlier French varieties. The earliest known hand crosses for any type of iris were recorded in the 1890's. By this time the Barr catalogues were circulated widely and an amateur gardener in America imported the entire Barr collection of a hundred or more varieties.

This amateur gardener in Pennsylvania was Bertrand H. Farr, who gave up his music store to become the first serious iris hybridizer and grower in the United States. He raised many seedlings and selected for introduction many fine tall bearded varieties—some of which were offered at the exorbitant in-

troductory price of seventy-five cents. Among his first introductions was a blue spuria variety, MRS. TAIT, that Farr listed in 1912.

Earlier in England the noted physician and professor of physiology at Cambridge, Sir Michael Foster, as a hobby had engaged in a scientific breeding program with irises. He had arranged with missionaries in all parts of the world to search out and send him new types of irises that were to be used in his extensive hybridizing program. Spuria hybrids as well as oncocyclis were grown and selected by Sir Michael Foster years before he had new species to introduce into the tall bearded line.

One of Foster's finest spuria hybrids from *Iris Monnieri* and *Iris Spuria* was named MONSPUR and was introduced in 1890. This iris became the ancestor of many modern spurias when Eric Nies crossed it onto *I. ochroleuca* and introduced the first brown toned spuria as BRONZSPUR.

Six years after the death of Sir Michael Foster in 1907, his SHELFORD GIANT was offered for sale and quickly became the criterion for judging spurias. This creamy white with a bright yellow signal on its falls was from a cross of *I. ochroleuca* by *Spuria Aurea* and remains a favorite with many gardeners. It is still listed by most commercial growers of spurias.

The valuable experimental hybridizing of Sir Michael was the foundation for the lines developed by other breeders with the tall bearded and oncocyclis as well as the spurias.

One of the pioneer iris growers and hybridizers in America came to Central California in 1864 and continued to specialize in growing irises as she had done in the East. Mrs. Jemina Branin bought her first spurias from Sir Michael Foster in the late 80's and early 90's and later from Peter Barr. She was growing the outstanding European varieties of bearded iris, *Iris susiana*, and *Iris spuria* before 1900 when she was presented with a gold medal for her irises. She died in 1943 at the age of ninety-seven.

The imported plants were used by Mrs. Branin to produce a number of spuria varieties that were introduced. Among these introductions were ALICE EASTWOOD, MRS. GORDON AINSLEY, GOLDEN GATE and GOLDEN STATE.

In Southern California the first commercial iris garden in the West was established by Mrs. Jeanett Dean as the Moneta Gardens. She left a lasting memorial in one of the most widely grown tall bearded iris, SAN GABRIEL. This tall, floriferous iris with its large fragrant flowers of lustrous lavender flushed with rosy mauve is the herald of spring in milder climates.

Mrs. Dean's garden in Moneta (now swallowed up by Los Angeles as the growth toward the harbor engulfed many smaller communities) was a mecca for iris growers. It was natural with this background that in the first publication of the new American Iris Society Mrs. Dean wrote on "Iris On the Pacific Coast." In this June 1920 Bulletin culture for spuria iris was given. Although Mrs. Dean introduced only a single variety of spuria, her collection of spuria species and varieties provided the foundation for both the Nies and Milliken strains.

Beginning with stocks of *I. spuria*, *ochroleuca*, and *halophila*, Thomas A. Washington of Nashville, Tennessee, established a vigorous line of spurias in the thirties. He had already produced the tall bearded iris MARY GEDDES that was to be awarded the Dykes Medal in 1935 when he introduced his first spuria. Spurias were to get all his attention until his untimely death. Among his introductions were BATHSHEBA, BEN LOMOND, BLUE ACRES,



BLUE ZEPHYR, LUMIERE, and MONTEAGLE. The parentages of his earlier introductions are not known.

Carl Milliken with R. R. Winchester purchased the Dean Iris Garden and moved the stock to Pasadena to establish the Southern California Iris Gardens, later to become the Milliken Gardens. Mr. Milliken's interest in the spurias was kindled by the robust iris he had obtained from Mrs. Dean, and as a result of his hybridizing and selecting a number of fine forms were introduced, including WADI ZEM ZEM and WHITE HERON. WADI ZEM ZEM received the first Eric Nies Award which was established by the American Iris Society in 1956. The award is given to the best spuria in the United States in the opinion of the judges of the American Iris Society.

After World War I the agricultural and horticultural activities introduced as a war measure into the elementary school program in Los Angeles were continued with vigor. Spuria irises that had been provided by Mrs. Dean were widely grown in school and public perennial plantings. It was in an elementary agricultural center that Eric Nies, a supervisor in this area, became acquainted with the spurias and made his first crosses. The seedlings from the original cross of *I. ochroleuca* by MONSPUR were line bred to produce in the second generation SAUGATUCK and AZURE DAWN, as well as BRONZPUR, which won the first Award of Merit for a spuria in America. Later from this line came other fine spurias such as CHEROKEE CHIEF, DUTCH DEFIANCE, MICHIGAN STATE, TWO OPALS, and LARK SONG.

It is interesting to note that present day spuria breeding stems principally from the three basic strains developed by Washington, Milliken and Nies. Mrs. Elizabeth Nesmith has worked with the Washington strain in New England; Tom Craig, Dr. Phillip Corliss, and Marion R. Walker have been working with the Milliken and Nies strains.

Starting originally with the Milliken and Nies irises, Walker Ferguson of Escondido, California, has included in his breeding program early introductions of Mrs. Branin and Sir Michael Foster, and BLUE ACRE from the Washington strain. From one of these lines of spurias has come THRUSHSONG, which won the Eric Nies Award in 1964.

Tell Muhlestein has also combined the Washington strain with the Milliken-Nies strain, while Ben Hager and Mrs. Alice White, as well as H. Senior Fothergill in England, have returned to the species to introduce variety in form, height and color to the new hybrids. There have been others who have contributed to the parade of spurias and great are the opportunities for success in hybridizing with these irises.

The number of new varieties of spurias introduced each year is still small, but the excellence of the selections has been steadily raising the standards for modern day spurias. For the iris enthusiast as a garden subject and for the iris hybridizing as a rewarding challenge the spuria irises offering possibilities unlimited.

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## REGISTRATIONS

All registrations and introductions must be in by October 1 to be included in the copy of The Registrations for 1965.

# Regional Test Garden Rules

- A. Rules for Regional Test Gardens
- B. Recommendations to the Regional Vice-Presidents
- C. AIS Policies
- D. Present rules restated

## A. *Rules for Regional Test Gardens Revised.*

1. The Regional Test Garden will be under the direct supervision of the Regional Vice-President, but he may appoint some other member or a committee of members to be in actual charge of the test garden.
2. All seedlings will be grown under a code number which will identify the Region in which the test garden is located, the year in which the seedling was received, and the seedling itself. An example of such a number would be 1-64-33, which would be decoded as follows: Test garden located in Region 1: Seedling received in 1964; and Seedling #33. If the region has more than one RGT, then the region number should be combined with a letter of the alphabet e.g. 1A-, 1B-, etc.
3. The Regional Test Garden Award will be voted on by the accredited garden judges under code number only.
4. The AIS Awards Chairman will be notified annually of the identity of each newly planted and coded seedling submitted for testing. Upon receipt of this information the AIS Awards Chairman will annually designate such gardens as an Official AIS Regional Test Garden, providing compliance with the above rules has been made.

## B. *Recommendations.*

1. Each Regional Vice-President is expected to promote the establishing of at least one regional test garden in the Region. Some of the larger Regions will need more than one test garden.
2. Reasonable protection and care will be impartially accorded all seedlings under test.
3. Coded RTG seedlings may be judged during any bloom season and removed in the event they win the RTG Award. Otherwise, seedlings should be removed after the third year of residence in the RTG.
4. Past experience, within the AIS, suggests that RTG areas are an excellent location for the conduct of Garden Judges Training Programs. The use of the AIS National Test Garden Score Card is also helpful, and thus recommended.

## C. *AIS Policies.*

1. All seedlings will remain the property of the hybridizer (presumed to be the individual who submits the rhizome to the RGT).
2. As has been stated many times in AIS publications, it is definitely understood as a matter of "AIS ethics" that no use will be made of test garden seedlings for propagation and for breeding purposes.

#### D. *Present Rules Restated.*

1. Accredited AIS Garden Judges have the privilege to vote for a total of ten (10) RTG and HC Awards; in any combination. If the vote is for an HC Award, the seedling number and hybridizer's name will be entered in the appropriate place on the ballot. If the vote is for the RTG Award only the code number is recorded.
2. Both the RTG and HC Awards entitle the recipient seedling to be entered in the National Test Gardens for further evaluation. (Inquire: Dr. Raymond C. Allen, Chairman, National Test Gardens' Committee).

## National Test Garden Awards

National Test Garden Awards were presented for the first time at the Memphis convention. The two for 1965 went to Neva O. Nitchman for the varieties SMILING MAESTRO and TEEN ANGEL, and to Catherine and Kenneth Smith for SARAH AVERELL and LOYALTY. These varieties achieved the highest scores in performance and general excellence on the basis of the judgment of the AIS accredited judges who scored the entries at the National Iris Test Gardens.

Requirements for entering a new iris are simple:

1. The variety must have received the High Commendation Award or the Regional Test Garden Award of the AIS and it must be entered in the National Test Gardens not later than the year of introduction. This means that all winners of the HC or RTG Awards being introduced in 1965 as well as those to be introduced in future years are eligible to be placed in the National Test Gardens this year.
2. One good rhizome should be sent to each of the five National Test Gardens as as early as possible. The plants should be addressed as follows:

Mr. Anton M. Christ  
University of California Botanic Garden  
Department of Botany  
Berkeley 4, California

Mr. Scott Fikes, Director  
Fort Worth Botanic Garden  
3220 Botanic Garden Drive  
Fort Worth, Texas

Miss Beverly Pincoski, Secretary  
Denver Botanic Gardens  
909 York  
Denver, Colorado

Mr. Herbert C. Fordham  
Extension Horticulturist  
Waltham Field Station  
240 Beaver Street  
Waltham 54, Massachusetts

Dr. R. C. Allen, Director  
Kingwood Center  
900 Park Avenue West  
Mansfield, Ohio 44903

3. Include with the shipment pertinent information about each entry and be sure each plant is accurately labeled.
  - a. Hybridizer's code or name
  - b. Hybridizer's name and address
  - c. Description as to type, color, etc.

The entries will be grown in the test gardens under code for two years and scored by ten or more AIS accredited judges. At the end of the testing period all stock will be returned to the hybridizer or otherwise be disposed of as he may direct. Due caution will be taken to safeguard all entries from loss from various causes including theft, taking of pollen, etc.

A word about the Waltham, Massachusetts garden—. This replaces the one discontinued last year at Stockbridge, Mass. The Waltham Field Station is an excellent site because it is in a good growing area for iris; it already has other flower trials in operation and is planning an extensive iris display garden. The plantings are maintained in an excellent manner and since Waltham is in the Boston area there will be no lack of good iris judges.

All hybridizers and introducers are urged to support the test garden program. Any HC winner is eligible as long as it has not been introduced before 1965.

R. C. ALLEN  
Chairman, National Test Gardens

## Intermediates from Cook 10942

WILLIAM PECK

The importance to the SDB class of Paul Cook's crosses of *pumila* pollen on to his tall blue seedling 10942 has been told on many occasions.<sup>1</sup> From these crosses he selected BARIA, BRITE, FAIRY FLAX and GREEN SPOT, which are still among the favorites in that class. The purpose of this article is to carry the story of Cook 10942 progeny on to subsequent generations from which we have obtained a great number of our best intermediates during the years starting in 1955.

It is not unexpected to find that the earliest 44 chromosome IBs from this new source came from these earliest SDBs, which were the first available for use by hybridizers. What is of special interest is that of the IBs selected for registration or introduction to date, and also of those given awards, such a large number have come from the Cook 10942 line.

Paul himself crossed a sib of FAIRY FLAX, his 6048, back to another lovely blue tall with silvery overcast (Cook 9747), and from the seedlings selected two blue IBs that are still grown, although they were never named. These are Cook 2154 and Cook 2254.<sup>2</sup>

It is also not unexpected to find that two of Paul's friends living not far from Bluffton, Indiana, his home town, were the first to register IBs from this line. To Wilma Greenlee of Chrisman, Illinois, he sent the largest and tallest sib of FAIRY FLAX, numbered 5148, which she reports had warm yellow standards and navy blue falls with white striations. Using CLOUD CASTLE pollen on this, Wilma obtained BLUE ASTERISK and CLOUD FLUFF, which she registered in 1955, the first from (tall x pumila) x tall parentage. Both went on to win the Sass Award, as did another iris from quite different parentage registered the same year, MOONCHILD. A pale blue sib of BLUE ASTERISK and CLOUD FLUFF proved to be fertile to its own pollen, and from this generation, in 1957 Wilma selected and registered her FIRST LILAC, still one of the loveliest in the class.

Meanwhile in Huntington, Indiana, Clarenee D. Jonas was also working with a Cook 10942 x pumila seedling numbered 4548, also a FAIRY FLAX sib. With LORD DONGAN selfed as the tall parent, 4548 produced two IBs registered in 1947, his DATELINE, an early yellow amoena, and SPRING PRELUDE, still a good clean yellow.

The following year (1958) Alta Brown registered the first of the many IBs standing to her credit. It too came from the Cook 10942 line, a seedling of GREEN SPOT and BRYCE CANYON. This was her ALIEN. In 1959 this was followed by LIME RIPPLES (BARIA x LIMELIGHT). Alta also experimented with the next generation, and in 1960 registered her ALL CLEAR from a cross of two sibs of LIME RIPPLES.

All but one of these named IB descendants of Cook 10942 later won an HM.

By this time the pace of registrations had greatly increased, and lack of space permits no more than a listing of the many IB descendants of Cook 10942.

		<i>Baria</i>	<i>Reg.</i>		<i>Intro. Crossed with</i>
HM	1961	LIME RIPPLES	A. Brown	1959	1960 LIMELIGHT
HM	1963	BARBI	Randolph	1961	1962 HAPPY BIRTHDAY
HM	1963	CREAM FRILLS	A. Brown	1961	1962 COURTIER
		INTERIM	Salsman	1961	1962 GOLDBEATER
HM	1964	DARK EDEN	A. Brown	1962	1963 EDENITE
		ARCTIC BEACON	A. Brown	1964	1965 COTLET
		DRESDEN	Reath	1964	YELLOW DRESDEN
		CANDLEGLOW			
		<i>Green Spot</i>			
HM	1960	ALIEN	A. Brown	1958 (corr. 1962)	1959 BRYCE CANYON
		LITTLE ANGEL	Plough	1959 (corr. 1962)	1960 SNOW FLURRY
		LIMESPOT	Dangler	1963	LIMELIGHT
		OHIO DEB	Dangler	1963	LIMELIGHT
		RATHE PRIMROSE	Fothergill	1963 (Wisley Trials '61)	(CRISTABEL X ROCKET)
		BEEBOP	Plough	1964	WHOLE CLOTH
		<i>5148</i>			
HM	1948	BLUE ASTERISK	Greenlee	1955	1955 CLOUD CASTLE
SASS	'62				
HM	1957	CLOUD FLUFF	Greenlee	1955	1955 CLOUD CASTLE
SASS	'63				

		4548					
HM	1958	DATELINE	Jonas	1957		1958	LORD DONGAN selfed
		SPRING PRELUDE	Jonas	1957		1957	LORD DONGAN selfed

		6048					Cook 1947:
		2154	Cook				(12142 x
		2254	Cook				12442)

### SECOND GENERATION

		<i>Baria</i>		<i>Reg.</i>	<i>Intro.</i>	<i>2nd Gen. Cross</i>	<i>1st Gen. Cross</i>
HM	1963	ALL CLEAR	A. Brown	1960	1961	Sib.	LIMELIGHT
		LICHELFE	Nes	1962	1964	Unknown	FAIRY FLAX
HM	1964	VANILLA ICE	Greenlee	1962	1963	YUCCA	(Purple pumila x PINK FORMAL)
		<i>Brite</i>					
		BLUE FRAGRANCE	Roberts	1962	1963	ROSY VEIL x (BRITE BEE x )	Unknown—perhaps Progenitor hybrid
		<i>Fairy Flax</i>					
		ARCTIC KISS	A. Brown	1964	1965	WHOLE CLOTH	DROP O'BLUE
		(see Lichtelfe supra)					
		<i>Green Spot</i>					
HM	1964	SPOT BALLET	Rosenfels	1963	1963	Unknown	CHERIE
		5148					
HM	1959	FIRST LILAC	Greenlee	1957	1957	Sib.	CLOUD CASTLE

This record shows that top honors must go to BARIA, although it lacks pollen and serves only as a pod parent. GREEN SPOT in second place has plentiful pollen as well as being a fertile pod parent. FAIRY FLAX grows poorly in some areas, is very frugal with its pollen, and does not set seed as readily as BARIA and GREEN SPOT. Except as grandparent of BLUE FRAGRANCE through BRITE BEE, BRITE has not contributed to the production of IBs.<sup>3</sup>

With this record before us we can wish that Cook 10942 and some of its unnamed seedlings from the pumila crosses were still available. Does anyone have any of them?

<sup>1</sup>Warburton, "Those First Pumila-Talls," *The Median*, Vol. 1, 1958, p. 56.

<sup>2</sup>Warburton, "Test Garden Report," *MIS News and Views*, 1958 (Nov.), p. 22.

Warburton, "Varietal Comments," *MIS Newsletter*, 1960, Vol. 1, No. 4 (Oct.), pp. 13-15.

Warburton, "A Medianite's TB Season," *The Medianite*, 1962, Vol. 3, p. 64.

<sup>3</sup>A. Brown, "Hybridizing with the Cook Lilliputs," *The Median*, Vol. 2, 1959, p. 29.

Vallette, "Greens, Mohrs, and Lilliputs," *MIS Newsletter*, 1960, Vol. 1, No. 1 (Jan.), p. 2.

Rosenfels, "Green Spot Crosses," *Medianite*, 1963, Vol. 4, p. 74.

"Paul Cook," *Medianite*, 1964, Vol. 5, p. 60.

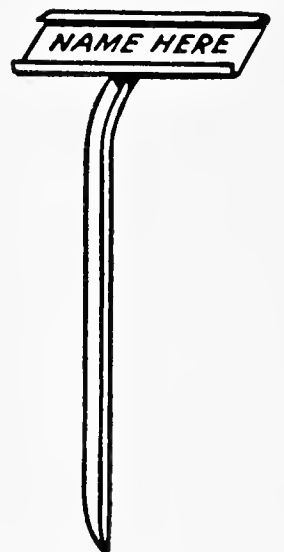
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# Simplified Embryo Culture

DORIS FOSTER

There is nothing really difficult about embryo culture. It consists of the process of excising seed, and removing the embryo to a previously sterilized test tube, partly filled with a nutrient agar solution and plugged with cotton. Here the embryo will germinate and develop into a seedling plant, provided of course, the embryo is viable. The pleasure derived from being able to watch the seedling in all stages of development, is ample reward for the time and materials invested. It is particularly useful for wide crosses, as very often the endosperm is soft or missing entirely, and the embryo would surely die, if such seed was planted in soil. Seeds from wide crosses should be excised soon after ripening, while the embryos are still viable.

There are many formulas now in use for embryo-culture of iris seeds. Among them are the Randolph-Cox, the Knudson-Burgeff and the Shockey formulas. Metric system measurements are used for all of them, as being essential for complete accuracy. However, the formulas vary a good deal, and all will grow seedlings. With this in mind, I have converted the formula I use (a modified Knudson-Burgeff) to kitchen measurements. There is some variation in chemicals, one lot from another, in size of crystals, for instance. The only accurate way of measuring is by the use of sensitive scales that weigh to the tenth of a grain. These are an expensive item, and are one of the ones we'll eliminate from our list of equipment needed. Very satisfactory seedlings are now grown in media made with the use of measuring cups and spoons, such as are found in every household.

The next item we'll eliminate is the pressure-cooker. If you already have one, use it if you wish, but any deep pot will do. I use a baby-bottle sterilizer found at a rummage sale for well under a dollar. My husband made a rack from hardware cloth, that will sterilize eighty test tubes at a time.

Most equipment lists for embryo culture include a large glass funnel, stand, clamp and tubing for filling test tubes. I have one, but prefer to use a small teapot that pours well, as I find it easier, and speedier. The adjustable rack is now used as a holder for a magnifying glass. I can work under this glass with both hands free, and it assists in finding some of the smaller embryos.

For the most part I work with aril seeds. Pure arils, hybrids, C. G. White intercrossees, and dwarf-arils. To Howard Shockey goes the credit for successfully culturing regelia seeds by substituting dextrin, dextrose and maltose for part of the sucrose formerly used. To Dr. Harris Benedict of Stanford Research Institute goes the credit for suggesting the use of activated charcoal for absorbing toxic wastes that interfered with development. I now use the simple sugars and charcoal in the formula I use, regardless of the seed cultured. I have reason to believe that the charcoal absorbs some of the nutrients as well, as the root growth is not always to my liking. But since a high percentage of seeds cultured produce plants that grow to maturity, I am fairly well satisfied.

First, make up these three stock solutions. Store in bottles in your refrigerator, labelling Solution A, Solution B and Solution C respectively. In each case, measure out the distilled water first, add the chemical, and stir until completely dissolved. In the case of Solution C, stir the first chemical until dissolved before adding the next. The stock solutions will enable you to make



up a quart of solution, ten times. A quart will be sufficient for 80 or more seedlings. With this in mind, I have converted the formula I use (a modified test tubes. Level measurements are used throughout.

*Stock Solution A*

Calcium Nitrate .....1½ teaspoons  
Distilled Water .....3 tablespoons

*Stock Solution B*

Magnesium sulphate .....¾ teaspoon  
Distilled water .....3 tablespoons

*Stock Solution C*

Potassium phosphate, mono-basic .....½ teaspoon  
Potassium phosphate, di-basic .....½ teaspoon  
Distilled water .....3 tablespoons

*Note*—In the original formula, ferrous sulphate (.2 grams) was added to Solution B. However, as it sometimes precipitates out as iron oxide, it is better to add it as each quart of formula is prepared. Use cool water for best results.

It is difficult to locate a chemical firm that will ship small quantities in the mail. A telephone call to Student Science Service, 3315 Glendale Blvd., Los Angeles, Calif., resulted in the following information on prices to would-be culturists.

Calcium Nitrate, purified crystal .....	¼ lb.	\$ .60
Magnesium sulphate, USP crystal .....	¼ lb.	.80
Potassium phosphate, monobasic, reagent ACS crystal...	¼ lb.	.75
Potassium phosphate, di-basic, reagent powder .....	¼ lb.	2.00
Ferrous sulphate, USP crystal .....	¼ lb.	.40
Agar Bacto, Difco .....	¼ lb.	1.75
Dextrose, Difco B155 .....	½ lb.	.40
Dextrin, white powder, corn (none in stock but can obtain)		
Maltose, Bacto, Difco B168 .....	50 gms.	1.25
Forceps .....		.60 up
Scalpel (student grade) .....		.75
Dissecting needle and holder .....		.55
Pyrex test tubes size 16x150 mm. per dozen (approx.)..		1.50
	six dozen	7.00
	per gross (144)	10.00

Charcoal (activated). The charcoal I use is described as Norit A Decolorizing Carbon.—no price obtained.

There is no charge for packing up your order—only for materials plus postage.

*PREPARATION OF MEDIA*—For each quart of nutrient media, use the following:

Distilled water .....	4 cups	Maltose .....	3	teaspoons
Solution A .....	1 teaspoon	Dextrose .....	1	teaspoon
Solution B .....	1 teaspoon	Dextrin .....	1½	teaspoons
Solution C .....	1 teaspoon	Bacto-Agar .....	1	teaspoon
Sucrose .....	1 teaspoon	Activated Charcoal	1	teaspoon

To one-half the distilled water, add ferrous sulphate equal in size to a match-head, and stir well until dissolved. Add Solutions A and B, stirring after *each* addition. To the other half of distilled water, add Solution C and stir. Blend solutions together. In a separate dry container, mix the sugars, agar and charcoal. Heat the chemical solution, preferably in a stainless steel pan, until fairly warm. Gradually add, while stirring, the mixed dry ingredients. Heat, stirring often, until it comes to a rolling boil. Remove from fire. There will be some sediment from the charcoal, but if the solution is stirred occasionally as the test tubes are being filled (two and one-half inches deep) it will be satisfactory.

Plug the test tubes with absorbent cotton (unsterilized is sold in 1 lb. rolls, and is relatively inexpensive). Each piece cut 4" long by 2" wide will make three plugs, as it is split into three layers. Each layer is folded into thirds lengthwise, then in the middle, and the folded end is inserted into the test tube with a twisting motion. It should be tight enough so that the tube can be lifted by the cotton plug, without having it come free.

For sterilization of the test tubes, most kitchens have something that can be converted for use. Any deep container can be used, provided you have a rack to hold the test tubes. The simplest for a few test tubes is a large can with holes cut in the bottom with a juice-can opener. Filled test tubes may be packed in, tied around the top with a heavy cord to prevent slipping, and sterilized in a deeper pot. Fill with hot water to the depth of the media in the test tubes, cover the tubes with a circle of foil to prevent the cotton plugs becoming wet, cover with a lid or a large sheet of foil fit tightly over the pot, and bring to a boil. Turn heat down slightly, and boil for 12 minutes. Plunge the inner container of test tubes into cool water in the sink (same depth) adding ice-cubes to cool quickly, and agitating test tubes so that cool water flows past. Repeat this boiling and cooling operation in 24 hours to assure sterilization. This method is known as tyndallization. Store ready for use with foil over the test tubes to prevent drying.

A rack in which to sterilize test tubes may be made to fit your container. For a round container, you will need one circle of  $\frac{1}{2}$ " hardware cloth, and two circles of  $\frac{3}{4}$ " hardware cloth. When the first  $\frac{3}{4}$ " circle is cut, use it as a pattern for the other, lining up the squares to match.  $\frac{1}{4}$ " threaded rod is used to make up three spacers, mounted near the outer rim at equal distances apart. The  $\frac{1}{2}$ " hardware cloth circle, which supports the test tubes, is mounted  $\frac{1}{2}$ " above the end of the spacers, by means of a washer and nut on each side. The  $\frac{3}{4}$ " hardware cloth circles are spaced at 2" and 5" above, lining up the squares so the test tubes can be inserted. You will need eighteen  $\frac{1}{4}$ " washers and nuts to fasten it all together. Some provision should be made for lifting the rack in and out of the container of boiling water. Credit goes to John Holden for this rack, that allows free circulation of boiling water and steam. I'm sure John's instructions would be easier to follow than mine, but if you are talented with tools, you'll be able to make such a rack with ease.

*SEED PREPARATION*—Place seeds in small bottles, individually marked as to cross or species, on adhesive tape labels. Soak seeds in solution of  $\frac{1}{8}$  teaspoon Semesan to  $\frac{1}{2}$  cup water for two days. Drain—add sterile water—drain again. Fill bottles with sterile water and soak one or two days. If Semesan is unavailable, use an alternate disinfectant.

*MATERIALS NEEDED*—Scalpel, forceps, needle with handle, isopropyl

alcohol, magnifier—preferably mounted on stand—lamp to provide strong light, record book, pencil, glass jars or wire baskets for holding test tubes, small jars for holding tools in alcohol, a supply of filled, sterilized test tubes, and clean blotting paper, or cutting board.

*DECONTAMINATION*—Wipe alcohol-soaked cloth over the table where culture is to be done. Wipe cutting-board, and place tools in alcohol jar. Let dust settle for awhile. Ensure this by locking door and discouraging children, pets, and interested friends, unless gagged, from being in the area. Scrub hands before culture is begun and dip fingers in isopropyl alcohol. I formerly flamed my tools until I started a small but frightening fire when the alcohol spilled. I find I have no more contamination than when tools were flamed, and believe it is not worth the risk. However, the tools are replaced in a small jar of alcohol after each use.

*PROCEDURE*—Drain sterile water from the seeds, and dip each lot of seeds into isopropyl alcohol. Drain on clean blotter or cutting board. Pick up seed, remove aril or end of seed to expose the micropyle. Make a circular cut down the length of the seed, away from the micropyle. The cut should be very shallow at the micropyle end, becoming deeper at the opposite end, as this is where the seed coat is thickest. Continue to cut almost to the point where the cut was started. The seed should pry open easily with thumb-nail or scalpel, and with any luck at all, the embryo will be visible. Slip the needle carefully under the embryo, lifting but not piercing it. Pick up culture tube in left hand, invert it, remove the cotton plug with fingers and palm of right hand. Insert needle with embryo up into the test tube and place embryo on agar surface. Keep inverted to prevent contamination, while cotton plug is replaced. Place test tube in glass jar or wire basket. All cultures of one cross are kept together, and adhesive tape labels are transferred from seed bottle to this test tube holder. Repeat procedure with balance of soaked seeds. If first cut does not reveal the embryo, lengthwise cuts are carefully made until it is located. After each lot of seed is cultured, make a record of results in your book, noting discrepancies from normal such as “no embryo found,” “lack of endosperm,” etc. I keep a record of number of seeds cultured, number of embryos found, etc.

*GERMINATION*—Place in dark warm cupboard for three to five days. Embryos will begin to swell and to curl. Move to a window if possible. I use a wide north window in my kitchen, and have a 48” fluorescent tube hanging above the test tubes, for more rapid growth. It is a Sylvania Gro-Lux, developed especially for growing plants, to keep root and top growth in balance.

*TRANSPLANTING*—When the seedlings have developed three leaves and a good root system, it is time to transplant them to soil. The time required for development depends somewhat on the time of year the culturing is done, and the type of seed used. Aril seeds are slow developing to the point where culture is possible, and the embryos take longer to develop into strong seedlings. Seeds cultured in summer develop strong plants weeks sooner than those cultured in winter—no doubt due to temperature variations and more hours of daylight in summer. My Gro-Lux tube is turned on about 16 hours per day.

For transplanting, I prepare a deep box such as apples are shipped in, with a layer of coarse gravel, then a mixture of screened humus, sand, and a little bonemeal. This should be soaked prior to planting, so material is damp but

not wet. I have ready a container of water, with the prescribed amount of liquid fertilizer added. The seedlings are removed from the test tubes by grasping the tip of the top leaf with long forceps, and gently pulling until free. They are dunked into the water and the agar is worked off the roots. I prune both the roots and leaves a bit, especially where the leaves become bent in the test tubes. Firm the planting mix in the box, and open up a deep crack with a flat tool such as a spatula. Hold the seedling in the crack while more fine humus is added to fill in around the roots. Firm mix against the roots by inserting the spatula one inch from the plant and moving the soil over to the roots. Firm gently around the base of the leaves, taking care not to crush them. I plant in rows, and mark it all down on a chart. When all are planted, water in well with the fertilized water. See that they do not dry out in the next few days, but *do not keep too wet*. Check in the morning—if the soil is damp, do not water. They are surprisingly tough. However, I would not recommend planting them into a flat, as the soil would dry out too soon, and I believe heavy losses are nearly always caused by too much watering. The plants are kept in a lathhouse until husky enough for the garden.

Do not worry if your seedlings decide to grow upside down. Generally, the roots will continue to grow down into the agar, and you can carefully straighten out the plant when transplanting. You will notice, particularly on the more vigorous plants in the test tubes, a tendency for the agar to break down into water and solids. Don't pour off the water—the plant will grow all the better.

I hope this article will encourage some of you to try your hand at embryo culture. Once the embryos are safely in the test tubes, you are at liberty to take a three-month trip to Europe or wherever your fancy dictates, no further attention being necessary for your babies, until time for transplanting. If your climate is favorable, you can turn out a steady stream of new seedlings. And there is another dividend—gifts from time to time of interesting and rare seeds too valuable to risk planting in the normal fashion. Once you have become proficient, organize an embryo culture workshop in your area, and teach the skill to others. You won't regret it!

Other sources of supply are E. H. Sargent & Co., 4647 W. Foster Ave., Chicago 30, Ill., and Braun Chemical Co., 1363 So. Bonnie Beach Place, Los Angeles 54, California.

Note—If culturing seeds of tall bearded iris, you may eliminate the charcoal, maltose, dextrose and dextrin. Use 4 teaspoons sucrose plus 1 teaspoon agar. If formula is too soft to stay in place when test tube is inverted, use 1¼ teaspoons agar.

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Lydia Jane

Stability

1964 INTRODUCTIONS

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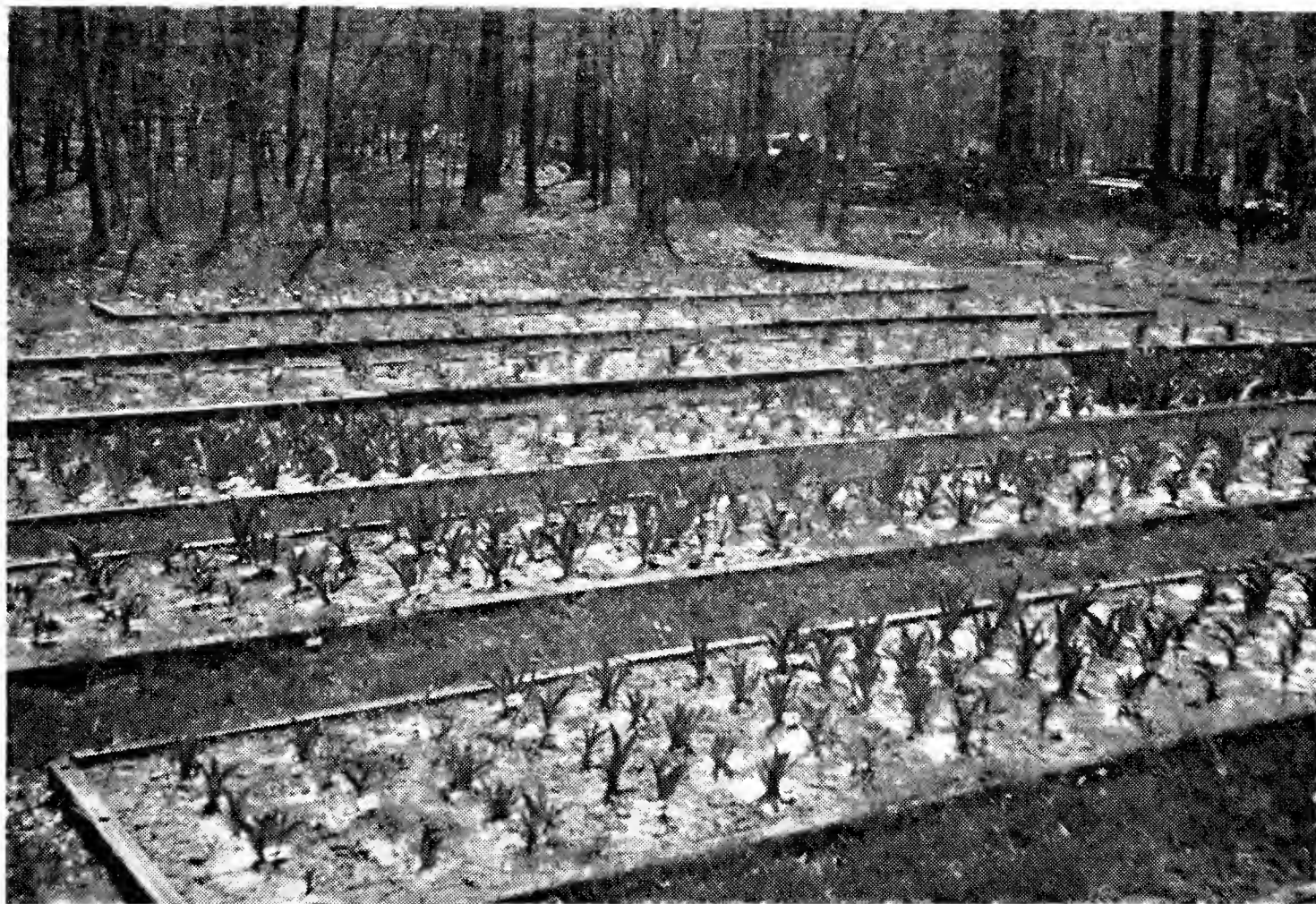
RT. 2 BOX 297K

SALEM, OREGON 97303

# Two Region 19 Service Gardens

PAUL L. HOFFMEISTER

Private gardens with regional interest could best describe two Region 19 developments, new since this Region played host to the 1961 AIS national convention. They are the gardens of Mr. and Mrs. Melvin Leavitt and Mr. and Mrs. John Juhasz, each filling a separate need of the iris lovers of the region; each new, at least in their present purpose, and each part of the 1966 convention tour itinerary because of their unique contributions.



Some of the geometric beds of the Juhasz garden photographed as they face their first April days.

Iris people generally, and Region 19, 1961 conventionaires especially, will remember Dave Johnson, his Quibbletown Gardens, and many of his introductions: ALLOUETTE, FRONT RUNNER, MALACCA STRAITS and the rest. Mel Leavitt, having bought a piece of land, less than an acre, with the kind of interesting-old-house-with-character his decorator wife, Helen, could do something with, found a natural combination: his new land and his aging but dynamic iris-neighbor, Dave Johnson. Until Dave's death he encouraged Mel in the development of both garden and breeding techniques. Judging by both today, the garden and the breeding lines displayed therein, Mel was an apt pupil.

Having cleared a sheltered back garden, between neighboring houses and a small red barn of his own, some three years ago Mel offered his area as a regional display garden. The season of 1964 showed excellent results, for

Mel's cultural techniques are outstanding. His own and the display beds are immaculately kept and the plants vigorously grown. Whitehouse, N.J., is an antique sort of town on what might be called a bayou of road now bypassed by highway Route 22, but with enough farmland nearby to supply Mel's iris beds with plenty of that natural fertilizer the usual suburban garden finds unattainable. Mel's irises show their appreciation by vigorous growth, and the display garden, while as yet not large, can claim near-perfect growing conditions.

Region 19 has not had its own display garden as such, and has taken interest and pride in this one. The Region has instituted a Regional Award named the Dave Johnson Memorial Award. During 1964, all visitors were asked to vote upon their own selection from among the display seedlings blooming under numerical identification alone. Appropriately enough, the numbered seedling which thus received the 1964 Award was one of Miles Kuchar's which had been entered posthumously by regional irisarians who had seen its first bloom in his garden during 1962, just before his death. A white with ruffles and heavy substance, Miles had numbered it 5810B and had planned to work further with it, being still unhappy about its slight haft marking.

Visitors to the Leavitt garden are always most impressed by Mel's success with forcing rapid growth of seedlings in electrically underground heated cold frames. By May, Mel's first year seedling bed looks like the average April second year bed. He gets both bloom and increase by the second spring. Bloom, in fact, is about 95 percent, so that selection is made then of those worth saving, while all the rest are destroyed without waiting for any reluctant bloomers. With this accelerated blooming program, plus a good start with some of Dave Johnson's breeding lines, Mel has developed some outstanding seedlings in the few years of his new garden. Two of the best have been named. His B24 is now BRISTOL GEM, a strong blue with branches to the ground out of PACIFIC PANORAMA  $\times$  ALLEGIANCE; while his 2102 is CHERRY COBBLER, a tall vigorous deep mauve pink.

During the summer of 1964, the Leavitts added a lean-to greenhouse, complete with automatic controls, to the garden side of their house. Mel appears to be planning some strange experiments with indoor iris, both as to early blooming and late. In the latter, he has some ideas about using a large meat refrigerator. It may well be, if he works out his timing this year, that conventionaires will see dwarfs, standards, Spurias and TB's all blooming at once.

There will be real competition for interest, for, as a guest gardener, Mel is displaying guests received by the Region from Georgia Hinkle, the Schreiners, Neva Sexton, W. B. Schortman, Eva Smith, Collie Terrell and many others.

A second Region 19 service garden is the new, since the 1961 convention, garden of John and Margaret Juhasz in Bound Brook. Occupying a west-facing slope covered with trees, including masses of birch and dogwood, on a small lane named Dogwood, which could give convention bus drivers a real test, is the Juhasz' new home and about an acre of iris beds cleared from the surrounding woodlands. John and the garden fell into their service function by being ready at exactly the time Rutgers University was abandoning its historical iris beds. John was one of several Region 19 members who agreed to take the most significant historical irises and grow them as a service to the Region.

Dedicated hobbyists, John and Margaret Juhasz have developed a quarter-acre bed at the front of their two-acre property and a geometrically regular series of fourteen six foot by fifty foot beds climbing the hill behind the house. In these latter are some 150 historically important irises from the former Rutgers collection, their own modern iris collection, and several guest beds. Guest breeders featured through the Regional guesting program include Rex Brown, David Lyons, Fred Cassebeer, Arthur and Ed Watkins, Gordon Plough, among others.

Altogether, Convention '66 visitors will find a triple-threat garden here; the historical collection, large guest beds with ample walkways, and an actively developing private iris garden with fine tree shaded areas on all sides.

*Paul L. Hoffmeister, publicity chairman for Region 19's AIS convention, and his wife, Jean, are AIS garden judges and have a Convention '66 guest garden of their own on their suburban plot in Washington Township, Westwood, N.J.*

## *Looking at Robins*

CAROL RAMSEY

The top fringe benefit of American Iris Society membership is the National Robin Program. Hundreds of iris lovers are enthusiastically participating in the program and thoroughly enjoying it. Countless others could and should be sharing the fun.

Perhaps you have toyed with the idea of joining a robin, but have hesitated for some reason. Maybe you've wondered what Robins are like, how they operate, what is discussed, and what sort of people are in them. I know I wondered about these things when I first learned of the Robin Program.

A nice idea, I thought, but it was the height of the gardening season and joining a Robin was the farthest thing from my mind. A few months later, when all the new irises were finally in the ground and the garden trimmed up for fall (albeit the chilly winds did arrive while there was still "just a little bit more to do"), I thought again about the Robins. But, was I good enough. Did I grow enough irises? What did I really know about them? Could I contribute anything? Convinced of negatives to all questions, I again let the matter drop.

I read my bulletins and catalogs, and a couple of borrowed books. My interest in irises was mounting. But every time I happened upon something interesting, whom could I tell about it? When an intriguing and exciting item popped from the pages, with whom could I share my enthusiasm? Met with the bored stares of an iris-weary family, and with friends giving me that "if-she-mentions-iris-one-more-time" look, I was completely frustrated. Finally, in a fit of daring following the depression of a particularly wretched winter day, I dropped a card in the mail and asked to join a Robin.

In a very few days, I received a warm, wonderful welcoming letter from one of the chairmen in the Tall Bearded Robin Division. She explained the Robin program and asked me to write and tell her about myself. (Who can resist that?) After hearing from me, the chairman placed me in one of her Robins, and the door opened on a new world.

The director of my Robin wrote me a long, newsy letter and told me about the Robin and when to expect it. She explained the mechanics of handling the Robin and told me a little about the others in the group so that I would feel a bit more at home. She told me about her irises and the trying weather they were having. In a return letter, I had a few questions to ask, and this marked the beginning of a correspondence that has now covered several years. We have become very good friends and it was a high point of a recent vacation trip when we stopped at her home and enjoyed with her family a barbecue and a long, long talk about irises.

When that first Robin arrived, I read the nine letters several times, and found them filled with interesting iris tidbits. What fun to sit at my desk and “chat” about irises. There is always so much material in a Robin, and so much to stimulate thought, that it is really very easy to write a Robin letter. And, if our iris are interesting, it has been noted that iris-people are even more so. This shows itself in a Robin, and many are the firm friendships that first begin in a Robin. Talk is, of course, mainly about irises, and everything related from fertilizers to weather (weather is normally unusual and no one agrees on fertilizers)—but there is also a personal touch to each letter which adds a little spice. There are always delightful anecdotes, and each person becomes a very real personality to you as you read the comments.

In my first robin letter, I asked a question that had been bothering me for some time. I really thought it was a rather dumb question, and I was afraid I’d be revealing my ignorance by asking it. However, when the Robin returned in less than three months, I found a quite lively discussion revolving around my question. I learned something from that discussion, not the least of which was that there really is no such thing as a “dumb” question.

There is nothing difficult or mysterious about handling a Robin. You write a letter, add it to the other letters, and mail it to the next person on the list of names and addresses that is always in the Robin. When it comes back to you, you take out your old letter and put in a new letter. Each time the Robin has been to everyone on the list, it has completed a Flight.

A Flight usually takes about three months, and if you like irises and people, you will soon discover that you want a Robin in your mailbox more often than that. If you are like most of us, you will first join a Robin in the Tall Bearded Division. When you want to enjoy a second group, you can join another TB Robin, or you may want to get into one of the specialized groups. When I decided to join another Robin, I thought I’d like it to be a hybridizing Robin. I had only been fooling around with pollen a short time, so I wrote the chairman of the Hybridizing Division and asked if there was a Robin for Beginner Hybridizers, Beginner-Beginner Hybridizers. There was. In fact, there are Robins for every kind of iris and everything relating to irises, and if there isn’t a Robin for something that interests you, the Robin administrators will probably start one.

The benefit of being in a Robin are very many. There is no better way to learn about irises than in the Robins. There are always questions one will have that no book, bulletin or catalog can answer, but you can get the answers in the Robins. You don’t have to know very much about irises to join one of the groups, for you can ask simple questions and you will have contributed something.

You will probably have a chance as I did, to someday meet many of your



Robin friends. I can't say too much about this part of it. When I began in the Robins, I had no thought of ever attending any iris conventions or regional meetings, but the day came when it just worked out well to do so. Perhaps you have no idea like that either, but the day may come when the convention or meeting is on your doorstep, and then you will probably get to meet a number of people you've known in Robins. Robin people not only share their love of irises, but they also share their iris friends. Through Robin friends, I've met many others—not necessarily face to face, but just through writing them because a mutual friend put us in touch upon realizing there was a shared interest.

Robins are fun, and if you're not a part of all this, you are missing something. Join us, won't you?

*This is reprinted from the Spring, 1965 issue of the Region 18 Bulletin with the permission of the author and of the editor, Mr. George Warner.*

## B. Y. Morrison Research Grant Is on Its Way

MRS. REUBEN SAWYER

On February 20, 1965, the members of the board of Region 24 and the members of the scientific committee met at Mississippi State University at Starkville, Miss. That morning, the scientific committee met with the faculty and personnel of the Extension and Horticulture departments, including the Vice President of Agriculture and Forestry, Dr. William L. Giles, and the head of the Horticulture department, Dr. Clyde C. Singletary. We now had \$500, which had grown from the \$56 we had last October when we first approached these two relative to establishing a study into the hows and whys of growing irises.

This fund had grown due to memorials and donations of \$25 from each of the local iris societies within the region. There were two \$100 memorials, one sent in by Mrs. Robert Sturtevant as a memorial to Miss Grace Sturtevant and her husband, Mr. Robert S. Sturtevant. To quote from our National Historian, Mrs. Helen McCaughey, "R. S. Sturtevant was Editor of the AIS *Bulletin* for many years—from the first *Bulletin* in 1920 through *Bulletin* No. 55, February, 1935, when B. Y. Morrison took over as Editor and Mr. Sturtevant acted as an Assistant Editor with Mr. Morrison until Fred Cassebeer took over in April 1940." I find his name as Assistant Editor with Geddes Douglas again in the 40's. Again "in the early years, Mr. Sturtevant was Secretary of the AIS and took on the job of Editor of the *Bulletin* in addition to the secretarial tasks. He gave many wonderful years to the building of our present Society, as did his sister, Grace, and B. Y. Morrison." The other memorial was given in memory of Mr. and Mrs. T. A. Washington of Nashville, Tenn. I remember that he was one of the first to work with the smaller irises, and was a source of inspiration to Geddes Douglas. I never had the pleasure of meeting Mr. Washington, but I do have pleasant memories of a lovely morning spent in conversation with Mr. Sturtevant in Jesse Wills' garden at iris-time in 1947. Then there are other memorials in

honor of Mr. Dean Ellithorpe of Birmingham and others in the Region.

Prior to the meeting, I had written to Mr. B. Y. Morrison as to suggestions and advice as to the method of the use of this fund. Did he want a scholarship student in his name, or would a research grant be more in line? While he was reluctant to say definitely, he did suggest that a cultural study was the answer. I had also written Bob Schreiner who answered immediately, assuring me that he was all for such a study and would see that we had the necessary rhizomes for such a program.

At the meeting Dr. Singletary asked what we had in mind. It was suggested that we would like a study into the phases of iris growing, *i.e.*, soil, fertilizers, sprays, systemics, fungicides, mulches and herbicides or weed control, suggesting that a row be used as a control and with other rows using the various materials. Mr. Wallace Gordon of the faculty, who will direct this program, suggested five other rows of the same number of rhizomes, using five different mulches, with the same method to be used in each of the above groups. It was further emphasized that positive results could not be obtained in one year or even two. And, finally that the \$500 would cover the work of the students actually doing the work for two weeks and the faculty supervision for one month!

It is now a matter of record. The board in their meeting that afternoon voted their wholehearted support. With the approaching bloom season along with our rhizome auctions and raffles, they knew we could proceed. We know that there were many others in AIS who feel as we do about the diseases of iris. We are on our way. The money has been deposited with Mississippi State University for use in this fine research.

For the twenty odd years that I have been a member of AIS, I have always hoped for this very sort of report. I just wish that many other "plain-dirt gardeners" could have seen the enthusiasm and fellowship experienced this day.

So, to those of you who remember the many accomplishments of B. Y. Morrison and his love and faithful service to AIS, just remember he chose MISSISSIPPI for his retirement home. His address is Route 1, Pass Christian, Miss. To the others of you who *want* to see a program such as this completed, we solicit your support. Memorials and contributions may be sent to our regional treasurer, who is also a faculty member at Mississippi State: Mr. Halbert Cunningham, Crawford, Miss.

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## **BACK IN BUSINESS —QUALITY TALL BEARDED IRISES**

Having sold our dairy herd, and most of our farm, we now will operate the iris garden together. We have added the best of the newer varieties.

We will continue to sell top quality plants of the best varieties at bargain prices. Former customers know the quality of our plants.

Send stamp for price list—Visitors welcome.

### **TWIN PALMS IRIS GARDEN**

Herman & Ruth M. Staub, Rt. 2, Box 92, Galt, Calif. 95632

# The Bulletin Artist

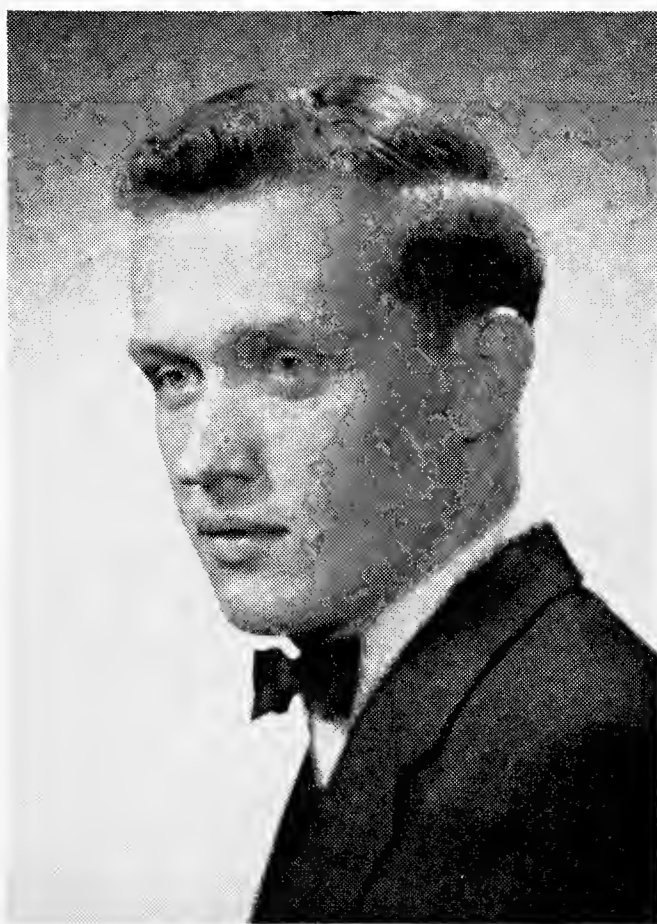
KRASTING

Never before have I had to write about myself and I find it a rather difficult task. Nevertheless, I shall attempt to give you a brief sketch of my life in iris and art.

Art has always been a major part of my life. Upon graduation from high school, I studied book illustration at the Philadelphia College of Art. I later received my Bachelor of Arts degree from Montclair State College. Presby Memorial Iris Gardens, only two blocks away from the campus, bloomed four glorious years without my ever knowing of its existence. It was not until two years later, when I returned home from Indiana University where I received my Master's degree, that irises entered my life.



“Dear—our first-born”



WILLIAM JON KRASTING

My mother received some named varieties from a friend. They were planted and marked and the following spring brought ELMOHR, CHIVALRY, SABLE and SOLID GOLD into breathtaking bloom. From then on, irises were to occupy as equally an important part of my life as painting and drawing.

I grow close to two hundred modern varieties with a dominance of “fun” iris being very prevalent. I especially enjoy the “unusual” or “different” varieties as are expressed in odd color combinations or striking patterns. What could be more fun than observing the lovely blush of rouge brushed on the cheeks of SILVER PEAK, or the delicate pale yellow cup on the rosy-lavender saucer that GYPSY LULLABY offers. MADAME BUTTERFLY fairly giggles at us as she peeks and blinks those exotic blue eyelashes of hers. CRAZY CLOWN pops up as a

harlequinesque buffoon in his amber flushed pink standards and those pinstriped lavender falls, as colorful a costume as one would expect. HUMORESQUE can never make up her mind and adds to the gaiety by refusing to wear the same dress twice. She sports the same set of colors, but each blossom bears a different combination, some blue with white flecks and others white with blue flecks. SENSE OF HUMOR contributes with a whimsical note in her laughing amber-tinted red hat and red-and-white striped dress. BROOK SONG, a newcomer and very festively clad with deep violet standards and slipper-satin falls. A strikingly sharp contrast. FIFTH AVENUE, DOT AND DASH, KACHINA DOLL, TEA APRON, ROCOCO, IMAM SALAH, and I could go on, are among the "funsters" you will find in my garden. And let's not forget COMMENTARY with her lovely buff hat with a hint of lavender and sparkling dress of violet-lavender edged in buff. Nor FAIRY FANCY who fairly twinkles with her falls half violet and half white plus that exotic grape fragrance. I also grow many selfs of all shades and tints as they help to accent and point up the others. But as you can see, all this hullabaloo about form, branching, substance, and the like, have no bearing on those irises who are given an invitation to stay in my garden. The most important requirement is that they must be different and lots of "fun" to grow.

Well, Art, "that's me, my art and my iris in a nutshell, or should I say "podshell"? I am glad my drawings have been so well received and that in some small way I can add some "fun" to the BULLETIN.

Bill Krasting

*So many of our readers have asked about our Bulletin artist that we asked him for a thumbnail sketch. And here it is, as charming as his art. William Jon Krasting lives at 86 Kingshighway North, Cherry Hill, New Jersey. He is the art teacher in Glassboro High School, Glassboro, New Jersey.*

## Goals for Remontants

BILLY G. SKILLMAN

Enthusiasm for rebloomers is not only growing but it seems to have reached the snowballing stage. We have now had a meeting at the national level of a rebloomer interest group. There have been two historic fall shows, both in Region 6. Some are wishing for the day when fall conventions and shows will figure as prominently in AIS affairs as our present spring ones. These wishes are no longer looked upon as idle dreams. Irisarians are exhibiting in the floricultural sections of autumnal state fairs. A publication devoted exclusively to rebloomers is growing in content and extending its distribution. Cultural methods are being developed for successfully growing rebloomers in northern climates which were formerly considered out of bounds. The number of hybridizers interested in perfecting rebloomers is increasing. Above all, the quality of existing reblooming cultivars is climbing fast enough to merit the interest of a larger and larger group of gardeners. We are well beyond the point of proving that rebloomers exist.

Now that rebloomers are an acknowledged reality and a sizeable group of irisarians are ready to roll the ball further, where are we going to go? The purpose of this article is to help point out some directions for advancement.

Because of diversity in the bloodlines of modern hybrid irises, they tend to respond individually to localized conditions of soil, moisture and temperature. Even our Dykes Medal winners, selected in part for their adaptability to a variety of nationwide growing conditions, can find the going difficult in some places. I have had the experience of stopping by an iris garden in the South and having the entire stock of a grower's ARGUS PHEASANT given to me because it did nothing but languish there. Transplanted to a Michigan garden, it has leaped with vigor. This condition precludes the development of a rebloomer that will give peak performance under diverse climatic conditions in all geographical areas. Although in general the iris has a deserved reputation for being a most satisfactory landscape subject with a minimum of care and a reputation for adaptability to a wide variety of growing conditions, the fact remains that rebloomers especially need to be hybridized and selected for local performance. Many gardeners have been misled by a catalog's claim that a variety is a rebloomer, which it no doubt is *somewhere* under *some cultural conditions*, but a clump must bloom both spring and fall in a given location in order to be considered as a rebloomer *there*. Reputable commercial dealers are usually glad to recommend cultivars they think will prove to be successful rebloomers under our conditions, if we will seek their advice when ordering. It is much better to investigate beforehand than it is to be disappointed afterward.

There seem to be at least four and perhaps more general types of climate for which rebloomers need to be produced: (1) a warm, arid climate such as the southwest, (2) a warm humid climate such as the southeast and parts of the Pacific northwest, (3) a cold, damp climate such as the British Isles, and (4) a cold climate where there is equitable distribution of adequate rainfall, such as the midwest and northeast. In addition, there are other very important modifying conditions within these general types of climates. The presence or absence of snow cover in the winter, for example, in a cold climate can be an important influence on our success. Where there are open winters with no snow cover, there must be more resistance to soft rot. If a rot-prone cultivar does not succumb, it will be set back and give poor performance as a rebloomer. NAPPANEE is among the best to grow in upstate Michigan, but in the January 1964 issue of *The Reblooming Iris Reporter*, pp. 2-3, Carol Ely Harper states that in Seattle it "is one of those freezing country irises that are no good here in the rain. I have yet to see an iris that is good where it freezes heavily that does not have a terrible time here. Its fall buds rot from the rain at that time, though it always struggles to rebloom." In the British Isles, few, if any, of the American commercial varieties perform satisfactorily. Seedlings produced and selected there, however, show great promise. These are examples which demonstrate the necessity of hybridizing rebloomers that have suitable qualities for performing satisfactorily under localized climatic conditions. The national test garden program can be helpful in effecting this goal.

Because the rebloomer performs under the wide variety of both spring and fall seasonal conditions, it at first may seem paradoxical that it is so demanding in the constancy of the conditions that must be maintained with respect to soil fertility and moisture. Any iris in depleted soil will have sparser foliage, shorter and fewer bloom stalks, smaller blossoms or even skip a season of bloom and be slow of increase. Since plant strength is expended in blooming,

it is logical to expect a plant that blooms more to need more nutrients. Thus, we can see why a rebloomer needs more attention to fertility. Lack of moisture results in the same disastrous behavior that lack of fertility does. When the season is dry, we cannot expect standard performance from rebloomers unless we supply by irrigation the moisture that is lacking. Irrigating every fifteen days during the summer with water soluble chemical fertilizer is usually sufficient, with ordinary water used half way between these applications if there is no rainfall.

If our growing season exceeds a 130 day average minimum, if we supply ample fertilizer and moisture, and rebloomers still fail to respond satisfactorily for us, we need to get out the tweezers and start to work to produce some seedlings that are adapted to our conditions.

Although rising rapidly, the present standards of quality in rebloomers are lower compared to spring-only bloomers, so the beginning hybridizer shouldn't feel at all ashamed of his results. Rebloomer enthusiasts have not generally reached that point where they demand a combination of pure color, wide, clean hafts, flaring, ruffled falls, tightly closed standards, stiff substance, or large size and height. However, these qualities are considered wonderful bonuses by those hybridizers who achieve them. Almost all color classes could be improved in the above ways. A study of lists of remontant introductions reveals that a preponderance of yellow irises have resulted from our pollinations in the past ten years, some of them being quite high in quality. Instead of producing more and better cultivars of this class, perhaps we should concentrate our efforts on bringing other classes up to the standard of the yellows.

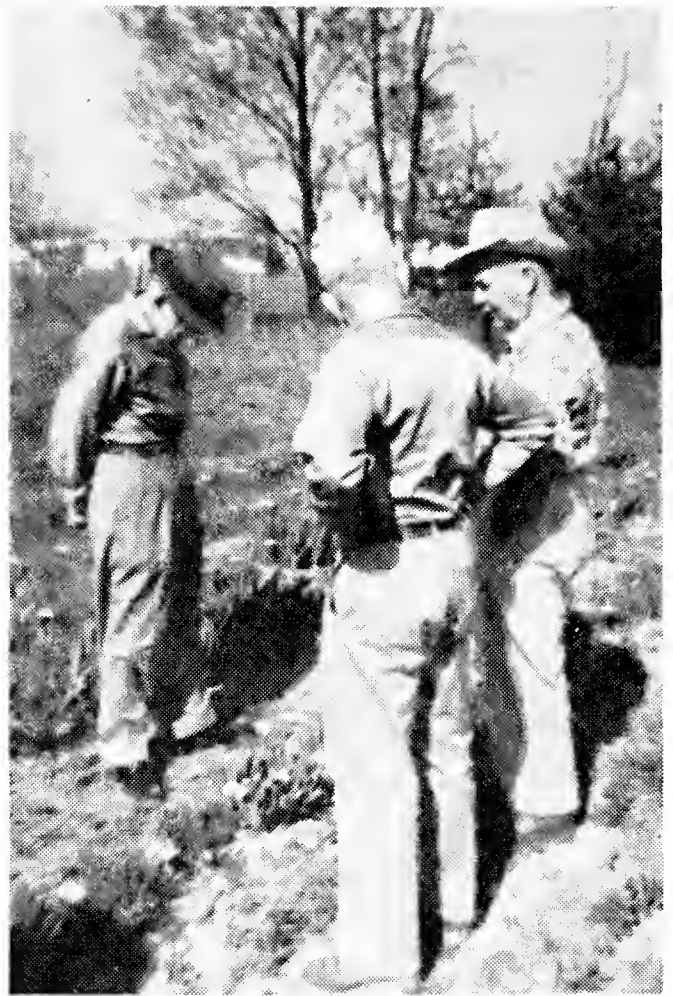
The blues need purity of color badly in order to get away from a lavender infusion. The reds need to depart from so much purple influence and we need some selfs instead of bicolors. There is a need for more dependable remontancy in the pinks. Whites could use width of parts. One would think that good purple selfs would be present in abundance, but hybridizers apparently have tried so hard not to produce a purple, that we consequently have none for more rigorous climates. We need a larger, taller "black" with better substance. Hybridizers are working hard to produce a brown, but where is that one which is generally available on the commercial market? Orange and green colors are as elusive for the hybridizer of remontants as they are for all other hybridizers. Lacing that is so popular in our spring-only bloomers needs to be introduced into our fall bloomers. These few needs that are mentioned here only begin to catalog the things that can be done in the realm of rebloomers.

In a society that is changing as rapidly as ours, it is almost trite to say there is "no limit" to the possible development of something, but the statement could not be more true of anything than reblooming irises. We owe so much to people like Dr. G. Percy Brown, Dr. William G. McGarvey, Edwin Rundlett, and Dr. Raymond G. Smith, but we have depended too long on too few. We all should help produce what is now possible with the genetic material we have available to us as a legacy from our pioneers.

*Dr. Skillman, a Central Michigan University professor, received the Best Specimen in Show award at the Region Six fall meeting last October with a stalk of AUTUMN BRONZE. He is attempting to upgrade the quality of rebloomers and extend their northern range.*



Lenna Creedon, Lee Arminger, and DIS President Bonnie Dunbar



Walter Welch, Harley Briscoe (back turned) and Earl Roberts in the Robert's garden

## *Dwarf Iris Society*

EMMA HOBBS

The new Noblesville, Indiana, home of the Central Area Test Garden for the Dwarf Iris Society held its first meeting this year on May 1st. Had the weather been specifically ordered, it couldn't have been better. The day dawned bright, clear and sunny and stayed that way both Saturday and Sunday, giving everyone good viewing and visiting opportunities. A turnout of approximately seventy members and friends of the Dwarf Iris Society started arriving early Saturday morning—with some more eager ones coming in on Friday evening. The morning was spent in the Test Garden and then after a luncheon provided by a local women's club, we toured the DIS display gardens at Bonnie Dunbar and Earl Roberts in Indianapolis.

Following the banquet in the evening, Bill Westfall of Chicago, Illinois, gave a short talk that led into the established question and answer period during which many of the problems of both growing and breeding of irises were answered. This discussion period, started some years ago by Walter Welch, has become a regular feature of the DIS meeting.

Sunday morning coffee and sweet rolls were served in the newly established Dwarf Specie Garden at the Bruce McIntoshes'. The rest of the day was spent re-visiting the Test Garden, Display Gardens and the many other dwarf irises in the area.

Since the move from Middlebury to Noblesville was made last fall, first year growth and bloom on the seedlings in the Test Garden is hardly typical of the varieties and it would be unfair to presume to give varietal comments on them. By next year, we hope to have more representative bloom and be able to give a proper report and evaluation on the performance of the seedlings sent to be tested.

## *Her Name Shall Live on*

VIVIAN FUHRMAN

Even though it means planting a Weed in an Iris Garden—her name shall live on.

As long as Edna Weed was living, she wouldn't name any of her wonderful seedlings after herself. "Who wants a Weed in an Iris Garden," she would say.

In fact, although she hybridized many superior seedlings, Mrs. Weed was reluctant to introduce any of them. They never were quite good enough, and she kept working to improve the strain. Her 14-M, a cross between HAPPY BIRTHDAY and CLOUDCAP, has been superior to any pink I have had in my garden—in color, size, and amount of growth and bloom. It has been a favorite with my customers, and would be worthy of introduction.

Mrs. Weed's favorite, however, was a cross between HEATHCREST and HERITAGE, which she identified as 11-A. It has been described as a lavender MARY RANDALL—a smooth, large self of vivid, iridescent lavender, with full tangerine beard. The petals are wide, and of heavy substance, with gently ruffled domed standards, and flaring falls. It is very fragrant, a prolific grower and bloomer, and an excellent breeder.

As if these qualities aren't enough to expect from any flower—it still has one more that sets it apart from any of its class that I know of—it is a definite rebloomer. When Hurricane Freda hit the northwest on October 12th of 1963, 11-A was blooming faithfully, although ripped apart by the storm. The Portland Iris Society had 11-A grace its table at its Christmas party one year. It has been sent to Italy to see if it will rebloom in George Specht's garden there.

And so 11-A has become "EDNA WEED," a fitting tribute to a lovely lady in iris circles—a lady all but forgotten in the semi-retirement years after her husband, Howard Weed, passed away, and the National Iris Gardens dwindled down to her favorite few—but she never really gave up.

And so it was a sad shock to her many friends to hear of her passing. More than a few growers, including myself, owe at least a part of our success to the generosity of the Weeds. Although I have not gone beyond the local level, with no catalogue, I am grateful to Edna Weed for her help.

The only place "EDNA WEED" is available at the present time is at the M & H Iris Gardens, 3007 S.E. Malcolm, Milwaukie, Oregon—and at V & V Iris Gardens, 107 Shawnee St., Kelso, Washington.

So we are honored to have a "Weed" in our Iris Garden, and are proud to introduce 11-A as "EDNA WEED."



## *In Memoriam*

### MARY F. THARP

Mary Frakes Tharp, pioneer iris hybridizer of Payette, Idaho, passed away on March 21, 1965, at the age of 86. She was a contemporary of Hans and Jacob Sass, William Mohr, Grace Sturtevant, and other early American iris breeders.

She possessed a quiet charm and a serenity and kindness that endeared her to all who came her way, and many did come to see the beauty that she created in her lovely Payette home, both with her hybridizing of irises and her painter's brush and palette.

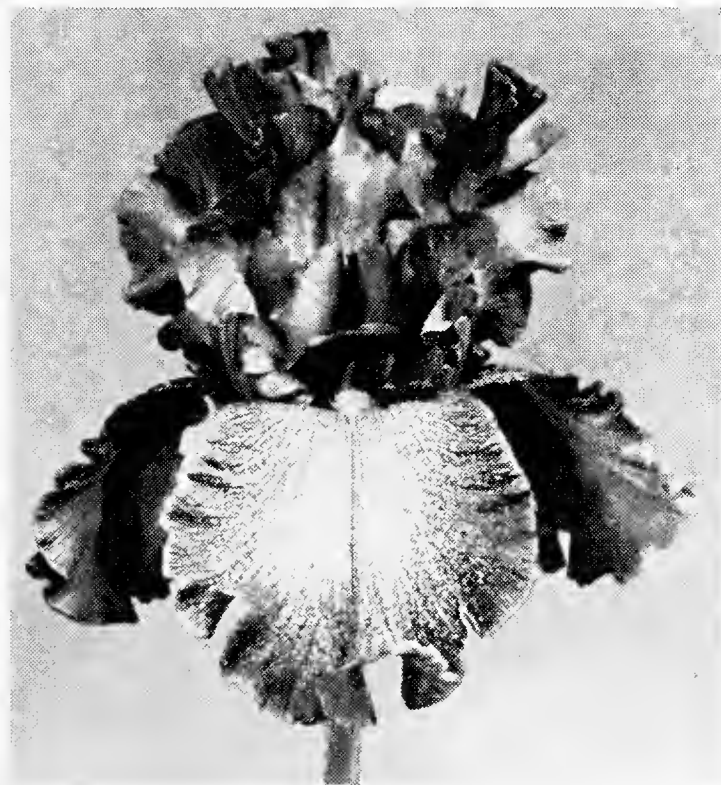
Mrs. Tharp's early work with irises centered on the diploid border and table bearded varieties, and of these her MEADOW LARK, SNOW ORCHID, and SYLVIA are rather well known and widely distributed. In 1962 her tall bearded PURISSIMA linebred TOP HELEN won the HM Award.

Mary Frakes was born December 20, 1879 in Davis County, Iowa, and at the age of two came across the plains in a covered wagon with her parents. They settled in 1882 in Bomerang (later named Payette), Idaho. She married John Stewart Tharp in 1905. The Tharps had three children: Estelle Murdock, who preceded her mother in death; Peggy Daniel, of Boise, Idaho; and Jimmie of Payette. A brother, Wylie Frakes, lives in Ontario, Oregon.

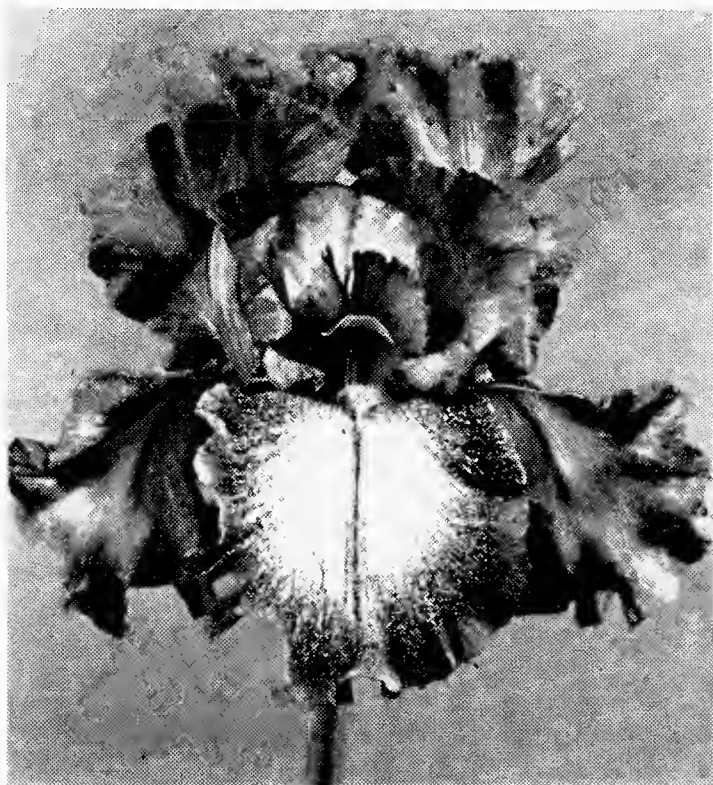
Mrs. Tharp leaves three grandchildren and nine great-grandchildren, all of whom are blessed with the memories of a gracious and noble forebearer who had a love for the beautiful things of life.

The iris world is proud that this talented woman chose irises as a challenge to her artistic abilities, and our lives have been enriched for our having known her.

Tell Muhlestein's 1962 catalog was dedicated to Mrs. Tharp. She was an Honorary Judge of AIS.



GAY TRACERY (Gibson)



WILD APACHE (Gibson)

# *The Thoughts of an Assistant Editor*

KAY N. NEGUS

I must beg from you the maximum of kindness and charity with this issue of the BULLETIN. I suddenly find myself in charge, for while the doctors have not yet determined whether to operate on Mr. Nelson's eyes or change glasses and defer the operation as long as possible, it is obvious that the world is getting darker and darker for him and that the strain of close work is great. The makeup, therefore, of the July BULLETIN will be mine, and probably most of the work of the October BULLETIN will go across my desk.

The family is not greatly worried, for the eye structure is in physically good shape for the operation; but when it is done, he will be out of things for about six weeks. In the interim, I will do the best that I can, with the aid of all of the kind and thoughtful people who have volunteered their help.

I would like to ask that all copy for the October BULLETIN come in as soon as possible, and that it be checked accurately for the spelling of botanical and cultivar words. I am thankful that there already is a considerable amount of copy in the files for the October BULLETIN.

The *Registrations for 1964* will accompany this BULLETIN, and we are making rapid progress on the building of a permanent registration file. We have delayed posting of introduction data pending the receipt of the files, in order to avoid unnecessary duplication of efforts, but we shall start this process as soon as the page makeup of this BULLETIN is completed.

We have seen considerable of the proof for the *Handbook for Judges and Show Officials*, and despite some frustrating delays, we have hopes that this will be off the press about the same time as you receive this BULLETIN. Elsewhere in this issue you will find information with respect to the ordering of the *Handbook*.

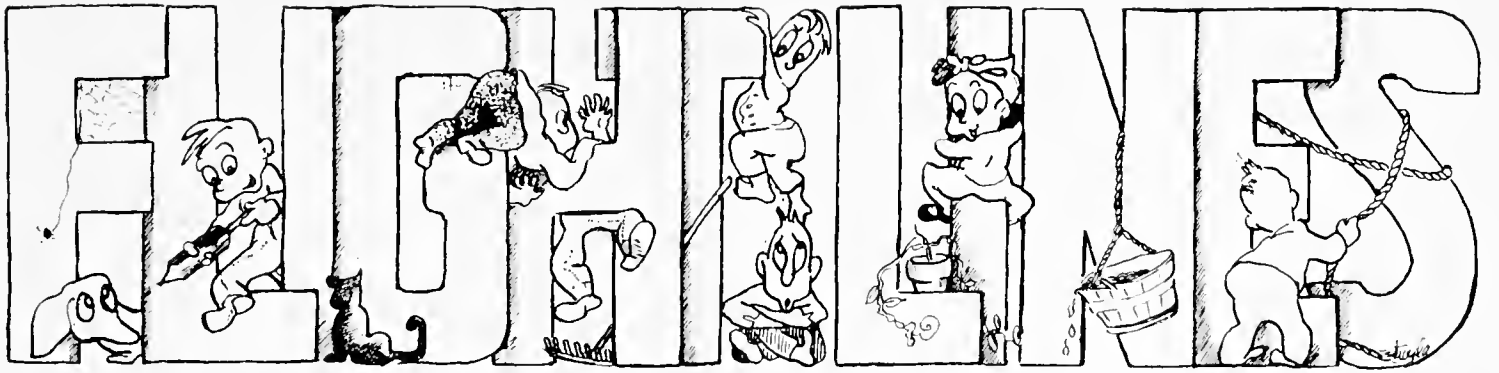
I have watched this developing *Handbook* with considerable interest, and I have been impressed with the careful and scholarly work of many authors. In the final stages of completing the work, I have been deeply impressed with the unselfish and near-Herculean efforts of four people.

To William T. Bledsoe should go the resounding plaudits of a grateful Society. One who has done this kind of coordinating of the writing efforts of many people, and who has been involved in the development of statements that reflect accurately the diverse points of view of many authors and authorities recognizes the magnitude of this kind of undertaking, and can feel a sense of deep appreciation and admiration for Bill's work.

To Thomas E. Jacoby also must go the heartfelt gratitude of the Society. His careful and meticulous attention to detail and to style have contributed immeasurably to the scholarship and to the accuracy of this publication.

Bee Warburton, with her immense knowledge of classes of irises other than tall bearded, and Peggy Grey, with her almost inexhaustible knowledge of the sources of expert opinion, have aided tremendously in giving to this publication a halo of authority and of accuracy; and both deserve the sincere thanks of our members and judges.

To these four people, and to many others who contributed to the *Handbook for Judges and Show Officials*, we tender deep and heartfelt thanks and sincere congratulations.



## AIS ROBIN PROGRAM SECTION

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517 North Anteros Ave.  
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### GREAT DECISIONS

If recently you heard screeches of protest emanating from Stockton, Calif., it was the voice of anguish from Keith Keppel when National Robin Program Director John Bartholomew dragged him, kicking and screaming all the way, into the job of Associate National Robin Editor and Co-Editor of *Flight Lines*. (You see, Keith's mother taught him always to refuse when offered a second helping of anything). It's not that he needs the extra work. He's already moonlighting from a series of other AIS-MIS jobs. But he does so well for the Robin Program's *Flight Lines* that it seemed downright criminal not to give him the scrambled eggs and fruit salad of full equality in titles.

A majority of *Flight Lines* readers probably have no idea of the personalities of our jolly editorial crew; this seems a likely place for introduction. Your new co-editor is gradually approaching ancient age: like about 30; he's gotten over being too bashful to open his mouth in public. He still often wears that blank, unsmiling expression which means he's missing nothing . . . you're just likely to find he's reported it with that sneaky-sly humor, the Keppel trade mark. Nonetheless, almost everyone who knows Keith can attest he's one of those rare individuals who is always doing something kind and thoughtful for someone. In matters editorial and administrative he's a positive wonder. The Robin Program, *Flight Lines*, and indeed the whole Society, are lucky to have this young man on the team.

**Robin directors and reporters please note:** Those of you in the various robin divisions which are primarily concerned with tall bearded irises, and TB hybridizing, should submit your material for *Flight Lines* directly to Keith. Quotes from robins devoted to special iris interests come to Peg. Actually, we both check over all the material which accumulates—the special iris interest divisions often produce material which pertains to TBs, or to any irises, or is of general interest, and vice versa. And it certainly isn't necessary for the robin director or reporter to try to separate the topics. If in doubt, just send it to the *FL* editor of your own choice. We might mention that

# NATIONAL ROBIN PROGRAM DIRECTORY

*National Robin Program Director*

John A. Bartholomew, 35 Pine Grove St., Milton, Mass. 02186

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### IRIS PHOTOGRAPHY DIVISION

Mrs. P. M. Lane, 6017 N. Depauw St., Portland, Oregon 97203

originally we had an elaborate system for reporting, with printed instructions, chains of command, garlands of red tape—it worked well enough (or maybe not well at all)—and today we look back with amusement at the eager-beaverness of it all. Today the procedure is simply this: pick out *all* the material that might be of interest, report it *exactly* as the robin member wrote it, and send it on to the *FL* editors with whatever comments or ideas you care to add. One thing we notice which kind of stumps us: many fine test practices are reported . . . someone is going to try to see how a cultural method or new product or other idea works. But we never hear what happened the next year. So if you're a robin member with an interesting project in the works, give us the *whole* story. It's so frustrating to sit here wondering whatever happened!

#### *Our New Look*

As long as *Bulletin* editor Art Nelson has to revise the *FL* masthead, we decided to select a different drawing for it. Done, of course, by our dear friend Twyla Olmstead. Twyla's delightful drawings and cartoons in Tell's catalog, and in some of our special iris society publications, have given so much pleasure and amusement to irisarians everywhere; we feel especially privileged to have one adorning our *FL* masthead.

#### *Our Sympathy . . .*

. . . to Dorothy Spofford, chairman of the Siberian Iris Robins, on the loss of her husband, Foster Spofford. We learned this sad news just as the last *FL* went to press. Foster was the very able Area Chairman of the Massachusetts Bay Area of Region 1. All her iris friends extend condolences and we hope that her great interest in Siberian irises will help her over a difficult time. We know from our own experience, and from those of others, that there is something in this iris hobby, in the intense amount of concentration we put in, the friendships with the iris people keep us active and occupied . . . the irises work therapeutic miracles.

#### *Get Well Cards . . .*

. . . to some of our favorite iris people who have been grounded with serious illnesses. We're just going to have to do something about having the greeting card people put out more irisy get-well cards! Helen Beeman is recovering beautifully at her home in Healdsburg, Calif., following many weeks in the hospital after major surgery. By the time you read this she'll be out of her wheel chair, double-checking every iris in the beautiful Beehive Gardens! It might interest others with weed problems to know that last summer Helen used Simazine, one of the marvelous new pre-emergence weed killers which knocks out the weed seedlings when they try to get out of the ground. This was used only in one part of the garden; the results were nothing short of sensational, with absolutely no damage to the established iris plants. The untreated beds were overrun with weeds, grown lush during an extended rainy season in this part of California. Helen's delightful family got the weeds thoroughly pulled and from here on Simazine is assigned to eliminate the arduous job.

Another happy report: Katherine Farley is back at home in Medford, Ore., making remarkable recovery from a near-fatal stroke last November. This occurred while she was visiting her daughter, Jean Farley O'Connell, in Sacramento, Calif. The doctors had told Jean it seemed doubtful that

Katherine would regain her speech and use of her right arm and leg. But Katherine fooled 'em . . . this is one gal nobody keeps down. She immediately recovered her speech, and with the help of her wonderful nurse-therapist is slowly, surely gaining back her strength. Katherine's garden in Medford is one of the most exquisite, peaceful places we've seen. The terraced lawns, little pools, a magnificent, pink flowering chestnut, and the heavenly fragrance from bowers of lilacs, with great clumps of new irises in special settings . . . this is enough to make anyone well.

Apparently completely mended now, after trying to blow his pressure gauge, Exhibitions Chairman Bill Bledsoe nearly left that AIS job open. This strange undiagnosed high blood pressure attack occurred on the eve of an important Region 24 judges training school which Bill was to conduct. Bill's wife, Mary Lou, quickly got hold of Frank Brewer to take over for Bill, and we understand our International Robin chairman did an absolutely AOK job. (He always does!) Bill's blood pressure is back where it belongs, and by now Frank's knees have stopped shaking . . . imagine the awesome job of conducting a training session for one of the AIS's real experts, without time to locate the switch to the escape hatch! We'll bet Frank will get tapped for many more such jobs.

We'll turn the *FL* section over to Keith for a bit. . . .

### *Big Game*

No task is too great for the devoted irisarian. The yearly routine of mulching, watering, weeding, spraying, fertilizing, transplanting—and dreaming—is all part of the iris game. Elsie Zuercher, Portland, Ind., tells of some of the half-time activities performed for one very special plant set out last fall. "I have been so anxious for the small rhizome of MUSIC MAKER to bloom this spring that I have lavished extra attention on it. My husband claims I will kill it with care! After planting it got weekly shots of warm water with a weak Vigoro solution. It developed a full set of leaves quickly. I stopped feeding it when I felt it was well established, so that freezing would not damage new growth. I cut it back in November and sprinkled gypsum around it. After the first freeze I put a mound of crumbly sludge over it and then covered the whole bed with excelsior and straw."

"Whenever I have milk too old to use, I weaken it and water special plants with it. I don't know whether it does any good, but I hope that the soil enzymes are encouraged to multiply and that the protein of the milk will nourish the iris. That is the theory, at least!"

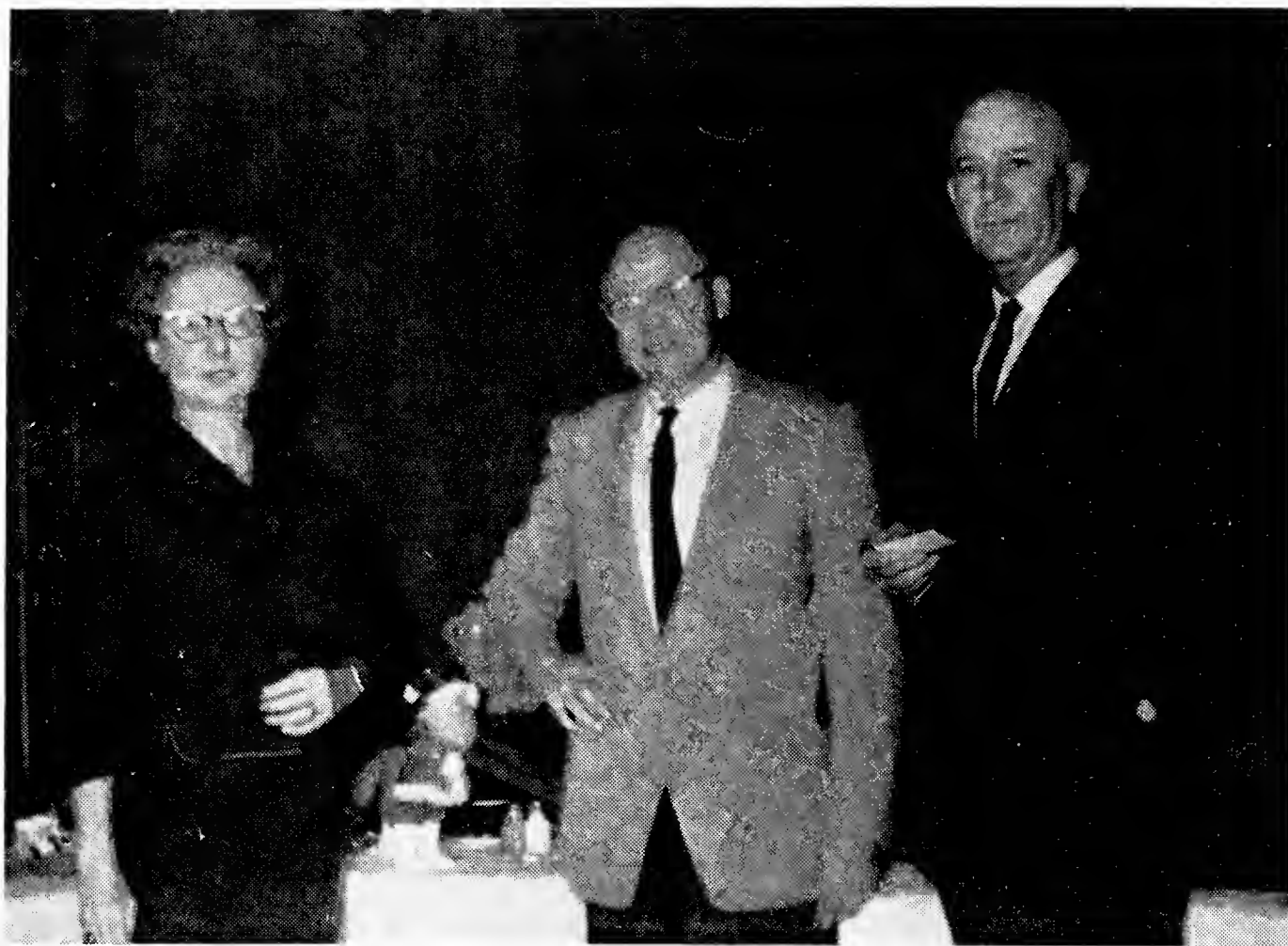
### *Bed Time*

Elsie goes on to tell how her irises are planted. "My irises grow better in beds raised a few inches above ground level, even though our ground is high and drainage should be good. After cultivating the soil in the beds, we added about 3 to 6 inches of good river bottom soil. Part of this was a rather sandy soil and part muck-like and black bottom soil. This brought in lots of weeds but was fertile. Then came the last two summers, with long dry spells. The ground did not hold moisture well and cracked badly. It just dried up to a dust. So last spring I started mulching existing beds with about two inches of sewage sludge. These beds have bloomed and multiplied well, although the addition of this material has resulted in the rhizomes being planted a little deeper than I like. During the early part of the season I felt

they were not multiplying well. However, last fall the plants showed lots of increase and strong, healthy green leaves.

"We made three new beds this year. After rototilling the bed to dig up the sod, I added sewage sludge, superphosphate, 0-20-20, and 10-10-10, tilling after each application. I used about enough of each so that the ground looked as though it had been well frosted before tilling it in. I also put on agricultural lime and gypsum, using about the same amount."

(After reading of all the goodies Elsie lavished on her irises, I've decided mine are in a real poverty pocket.)



Mr. and Mrs. C. R. Minnick receive life memberships from the Greater Kansas City Iris Society. Orsie Poff, president (center), makes the presentation.

In Burbank, Ohio, Harry Hanna is building special concrete-bordered beds. He writes, "Since the last robin round I have finished the fourth bed with concrete surrounding it. Beds are 3' 6" x 24' and the concrete is four inches above the ground. These beds are so successful I hope to add at least four more next summer. Watering, weeding, fertilizing, spraying, etc., are much more easily handled. In these 80 square-foot beds I prepare the soil as follows: 75% garden loam, 25% compost, 2 quarts gypsum, 2 quarts steamed bone meal, 1 pint 5-10-10 fertilizer, 3 tablespoons sulphur, 3 tablespoons trace elements. After mixing this well, I like to soak it with plenty of water and let it lay at least four weeks before planting.

"Early in the spring I apply a light application of 5-10-10 (about 1 pint to 80 square feet). After bloom season is past I apply another pint. I like to spray twice before bloom with DDT and Carco-X. I give remontants a little extra care. In July and August I give them 15 tablespoons fish emulsion

in 5 gallons of water per each 80 square-foot bed. This is applied with a sprinkling can. Last July and August I watered some, and the results were excellent as fall bloom was marvellous.”

#### *Vigil*

Eternal vigilance is the price of pest-free irises. Elsie Zuercher's spray and cleanup program is as follows: "I spray with Orthocide and Endin alternately at about weekly intervals until bloom stalks are well budded. I add a light application of liquid fertilizer with the insecticide. This is applied with a sprayer attached to the garden hose. I try to make sure that all surfaces of the leaves are covered, and that the ground is wet around the clump. We take special care to spray shrubs and trees in the vicinity of iris beds and to cover well the grass edging the beds. My experience has been that most borers are found in plants near the edge of a bed or near shrubs. Endin acts as a systematic poison and the Orthoeide contains both insecticide and fungicide. My foliage has stayed in remarkably good condition with this treatment. I have had leaf spot in only one plant during the last year. I cut this back as soon as I found it and burned the leaves. I was careful to clean shears and hands before working with other plants. I remove old leaves at about 14-day intervals after bloom season, taking off any that come loose with a gentle tug. If they are still tight I leave them until the next cleanup. I cut back only the clumps that show signs of leaf spot or borer, at least until late autumn. After several hard frosts I cut them back to within a few inches of the ground. This helps in spring clean-up when I am usually busy with school work. They also get an application of gypsum and DDT late in the fall. After cleanup, but before applying the gypsum, I work in an application of lime and a balanced fertilizer."

Fred Spahn, Dubuque, Iowa, gives his views. "I have settled on 50% wettable DDT, as it is the least expensive and does as good a job as the more exotic poisons. This is applied with a sprayer attached to the end of the hose and requires about 25 gallons per spraying, the first applied when the temperature hits 70° the first time, or when the foliage is about 6 inches high. I apply two other sprays at weekly intervals. This catches all borers except perhaps one or two on the outside fringe of the patch. A woman in another robin was really sold on the Greenfield systemic rose spray for iris, to such an extent she admitted her letter sounded like a eommercial. She said the manufacturer makes two types, but the system one is the one to get. This is assimilated into the system of the plant and will kill borers after they have chewed their way down into the leaves. Her enthusiasm was contagious, and if I can procure it locally I may give it a try.

"After trying Carco-X, potassium permanganate, sulphur, etc., I have settled on a good sharp knife and Clorox straight from the bottle for soft rot."

#### *High Hopes*

Never do air castles seem closer to earth than when we are setting out new plants. Any irisarian with an ounce of imagination can "see" his newly placed rhizomes in bloom even before he gets the rhizomes covered. But don't go floating off on a cloud before you have the transplanting done properly! Fred Spahn describes his transplanting procedures. "When replanting existing varieties, I usually pick out the five best rhizomes and replant them in a clump by digging a hole and filling in dirt like the spokes of a wheel—a five-spoke wheel with one rhizome astraddle each spoke."



He continues, "I try to replant beds every four years at the longest so the clumps don't get filled with dead rhizomes. I have found that spacing 21" between rows, 3 rows to a bed, with irises 28" apart in the row, works well for me. By spacing diagonally, the closest any iris can be to another is 25". Aisles between beds are 42". This necessitates a little staking along the aisles at times.

"I think some of our irises are over-fertilized. I applied no fertilizer at all in the first five or six years the garden was planted to irises and still follow this plan for the first years irises are planted in new ground. However, after five or six years they deplete something from the soil. Every three years I apply a top dressing of well-rotted cow manure. This is so old there is no odor ten feet away. It contains no straw since it comes from a cement feed lot. I have never used any other fertilizer."

Sometimes newly-acquired rhizomes are so small it is hard to conjure up those air castles. From Woodward, Okla., Annie Glitsch writes, "The rhizome of DARK FURY I got was such a poor one I thought it a waste of time to plant. All I had to do was scratch the surface of the soil and lay it in place. I dipped it in undiluted Clorox before planting it, then almost covered the rhizome with soil. I laid a flat rock on top of it to keep off the heat and hold it down. It was only a short time until new growth started showing." And, we're sure, Annie's hopes went up as the leaves did!

#### *Harvest Holiday*

It's that time of year again. Seed pods are waxing fat and sleek, ready to be picked. Bea Williams, Collier, W. Va., tells how she handles the fresh seed. "I use sulphur in the bags to keep the seeds from molding. I put them in small paper bags. When the seeds are dry, you can fold the top of the bags down and store them. The name of the cross is written on the side of the bag and a tag is in the bag with the seeds. When I shell the seeds, I sprinkle a little sulphur on them. Then I shake up the bag."

Bea goes on to describe her method of handling spuria seeds. "I use a teaspoon of bleach in a pint of water to wet paper towels. Then I put the seeds on the towel, fold, and wrap with foil. They are put in the refrigerator under the ice cube tray. I left them there until February or March, when I took them out and put them on the door of the refrigerator for a month. They were then planted outdoors and came up within a couple of weeks. I placed the foil over the planted seeds to keep the ground from drying."

MayBelle Wright, Bloomington, Minn., writes, "I am convinced that the best way to plant iris seeds is to put each one in a square peat pot (1¾") in a flat with a layer of sand in the bottom of the flat. I had over 90% germination in those planted this way and there was no transplanting shock. On the tenth of July I started seeing increase on them and they look wonderful. Also it is unnecessary to water them every evening as I used to do. Their roots are firmly established within the peat pots and they need water much less often. The sand in the bottom of the flat is to provide a place for the roots that grow through the pot. Another advantage is that there is no need to hurry about transplanting them because they never stop growing, no matter when they are moved. When I wanted to remove them from the flat, I took one side off the flat and used a narrow pancake turner to loosen the little pots. A few pots crumbled, but most held their shape very well. This method should assure first year bloom (one year from

germination), so I feel it justifies the small amount of extra work and the cost of the pots.”

Harriet Segesemann, Franklin Lakes, N. J., adds, “I tried planting in peat pots, but put more seeds in each pot. This year I will try it with the sand under the pots. I could put the pots in flats and under glass for the winter, as I put a glass over the cold frame where I plant seeds.”

We think the peat pot procedure is excellent, but wonder about the consequences. Those of us who plant 5,000 or more seeds a year are going to need lots of pots, flats, and someplace to put them! One word of caution on the peat pots: be certain that the pots are moist when planted. Dry compressed peat is hard; dry peat pots planted in the soil may *stay* dry (and impervious to roots) if conditions are unfavorable.



Mr. and Mrs. Joe Bergin receive life memberships from Region 17 at the spring meeting at Fort Worth. Leon Wolford, area chairman, made the presentation, and President Carney applauds enthusiastically.

### *Border Patrol*

Wilma Greenlee, Chrisman, Ill., voices the common complaints about border irises. “Only a proportionately small tall could be an ideal border iris. So far all borders I have bought that *bloomed* have grown into regular tall. LITTLE REB was the only one I have in the newer borders that bloomed typical to class.” To sum up: over-size or under-vigorous!

Adelaide Peterson, Brentwood, Tenn., questions the stamina of the border

group. "I have used little borders successfully, but I have found that the border runts often do not have, either in themselves or in their offspring, the stamina of their larger sisters. For instance, I cannot get SPUTNIK or PRIMROSE BONNET to grow here for very long. Then I've several little ones from HAPPY BIRTHDAY or PARADISE PINK lines, given to me by local TB hybridizers, that seldom bloom and are not easy to grow.

"Further, I have crossed intermediates with 'runty' TBs, one such cross being LILLIPINKPUT X Douglas 1422A. Of the five seedlings left living, two have bloomed, both dwarfs. One has grown fairly well; the other has since died. Three others have never bloomed nor increased. So from my experience I would say that the runts do lack hardiness and strength."

Crescent Deru, Ogden, Utah, agrees with Adelaide. "We think alike that border runts may not breed stamina. I think (but have nothing to prove it) that these smaller-scaled irises may be due to a combination of recessive genes linked to some of the weaknesses. Actually, big lush foliage, coarseness, grossness of any kind is a fault, and we are selecting the more refined characteristics on purpose. We are doing this by selection, even though we are aided by nature in the combination. I can see that we can establish a 'race', quite distinct, if given enough time."

From Westboro, Mass., Bee Warburton comments, "I have mostly aphylla lines in the border sizes, and many of them bloom early, so qualify as intermediates. I find that the more TB I get into any progeny, the more rot I get, and it is very sadly true that most of the borders don't grow well here at all. Either they rot, or they grow so slowly that they are impossible."

"Most of my borders come from a large progeny of GOLDEN FLASH X YELLOW DRESDEN, which is the cross Tell's LACY LU and others came from and which he recommended to me. For a cross in which almost every plant has beautiful flowers, and out of which it is almost impossible to select an outstanding border, I recommend this one. It is full of lace, in yellows, orchids, pale blends . . . lovely colorings . . . all with open standards and large flowers with clubby stems. This cross should be grown as a family, all together, without individual selection, and let the flowers shade into one another without interference. All together it is beautiful. Taken individually, it is hard to find a flower perfect enough to name."

The natives are restless. Now that we've a goodly number of border irises on the market, we can afford to be more critical. Size we've harped on before, but not vigor. But then you hybridizers should be checking the vigor angle carefully, no matter *what* class of irises you're breeding.

#### *Waiting Game*

Anyone who complains that the iris season is over too soon simply isn't being realistic. After all, it lasts twelve months a year! Record keeping, seed sowing, transplanting, robin-writing, reading and researching—why there's more than enough to fill out the months. Edith Thompson, Pekin, Ind., confides, "Next to seeing irises in bloom, I like to order and trade and then wait for the postman."

Happy mail delivery, all!

From the postman, we'll get back to the Farm . . . .

#### *Rescue Operation*

Some 55 members of the Historical Robins are engaged in fascinating iris research and rescue operations. According to chairman Gerta Beach's recent

progress report, the group has stimulated the planting of iris antiquities in two municipal gardens: one in Ohio under the direction of Mrs. Herbert Shinkle and Mr. Marion Dow, and one in Memphis directed by William Mitchell. Mrs. O. B. Randles in Sherman, Tex., Barney Hobbs in Noblesville, Ind., and Mrs. Otis McMurray in Pittsburg, Kan., have augmented their large private collections of historical irises to stupendous proportions, Gerta notes that about 30 others maintain smaller representative collections. The main rescue operation has been to try to save historical collections which were on the brink of extinction. Mrs. McMurray obtained the Audrey Cottam collection, Barney Hobbs the historical items in the garden of the late Robert Beardsley, and Everett Randles has obtained many of the Sylvan Oxley antiquies. Harriett Segesemann and John Johasz also rescued much valuable material in the Rutgers plantings in New Jersey.

These are just a few of the many accomplishments and contributions of these Historical Robin members. And they need further help. In all the extensive research of literature undertaken, they've not been able to locate a reference, either in American or British iris literature, which gives the first name of M. Lémon. Anybody know? If so, drop a line to *Harriet Segesemann, 380 Crescent Drive, Franklin Lakes, New Jersey 07417.*

Another phase of the Historical division work which needs help, is the search for irises of historical significance. One they are trying especially hard to find is the Lémon variety FRIES MOREL which is basic in the ancestry of many purple irises.

For those interested in knowing more of the early day iris breeders, this Historical Robin group has published nine *Iris Chronicles*, each devoted to a different breeder. They cost, (depending on size) 50¢ or 75¢ each; information can be obtained from Harriet, whose address was given above.

#### *More Help Wanted*

**Where, oh where, can the Spuria irises Golden Gate and Golden State be located?** These two spurias were bred by Jemima Branin back in the 1930's in San Lorenzo, Alameda County, Calif. If anyone knows where they may be growing, Mr. L. G. Stanley would like to acquire new starts of them. Speaking of things historical, we think the report from Mr. Stanley is most interesting, perhaps because we worked on a checklist of spuria irises for the Spuria Society awhile back, and in listing so many varieties we wondered, and were unable to find out, what had become of the irises, and their breeders.

"I have grown the spuria irises nearly fifty years and did some hybridizing twenty years ago. It was my good fortune to meet one of the pioneers who grew and hybridized them when I was a youth. Her name was Mrs. Jemima Branin, who lived at San Lorenzo, California for many years. Mrs. Branin, I believe, was one of the first iris growers to import spurias to this country. She bought her first spurias from Sir Michael Foster in England in the late 1880s and early 1890s. She made her later importations from Peter Burr in Scotland. Many of her good seedlings came from crosses of these imported plants. I had several of Mrs. Branin's good seedlings that were very fine, but lost them when I moved from Alameda County to Santa Cruz County. These are GOLDEN GATE and GOLDEN STATE. I would be very happy if anyone could locate them for me. Before leaving Alameda County

I developed a strain of dwarf spurias which I left with a friend until I was settled again. Now that I am located again I hope to regain some of my dwarf spurias."

We hope he does too! The smaller spurias are our own particular pets! Mr. Stanley's address: 3065 Center St., Soquel, Calif.

#### *More Iris Research*

Believe it or not, because it's an unusual feat for us, we remembered our promise in the April *FL* to give further details on a checklist of Siberian irises being made by Bob Smith of Pleasant Hills, Calif. Here's Bob's report:

"One of my projects has been an extended checklist on the *Sibiricae* section. Granted, many are of antique nature, possibly not even available for purchase, but still historically significant; many doubtless will show up in parentages of modern Siberians. I've worked this out in two sections, similar to the precedent set in an early issue of *The Siberian Iris* by Sarah Tiffney's wonderful Checklist which separates the 28-chromosome group from the 40-chromosome group. I was astounded at the cultivars in this latter group. At last count I had at least 222 varieties by name in the 28-chromosome group, with several English sources yet to be checked. I've tried to go beyond the simple checklist. My records devote an 8½" x 11" sheet to each name, listing the usual pertinent data, and following up by adding descriptive data from as many contemporary sources, such as catalogs issued at, or soon after, the new named variety was introduced or offered for sale. Reference has also been made to catalogs, books or magazines illustrating a particular variety in color and/or black and white. These written descriptions and pictorial reference should prove of infinite historical value."

Bob has well over 60 pages of single-spaced, closely-typed data copied from reference material in the University of California library. All of the full descriptions of the *Sibiricae* section have been copied from Dyke's *Genus Iris*. Bob notes Dykes has a magnificent bibliographical reference for each species, and that gradually he is copying the material from those references which he is able to locate. "Perhaps these two projects are too detailed and complicated to interest many people," Bob says, "but I feel the history of the developmental processes involved warrants such devotion, and will add materially to the appreciation and enjoyment of an iris and evaluating it as it blooms. If it be true that 'beauty is in the eye of the beholder,' how important it is for us to develop and train that 'eye' for even greater beauty."

We could not agree more fully! This is a good example of the type of research going on behind scenes in special interest iris groups.

#### *Photo Notes*

A couple of briefs on matters photographic . . . Dick Rosenfels in Richland, Wash., reports on Agfachroma film. "It's excellent with yellows, pinks, whites, purples, apricots and all the like, and the green of leaves. *But* it photographs the green in an iris flower as brown, messes up the blues as all color films seem to do, and exaggerates reds very delightfully. It's just the ticket for breeders of reds who want to fool the *viewing public!*"

Dorothy Spofford says, "I use Agfachrome exclusively for my slides. I found that filters—a whole battery of them—were a must to get top quality pictures with Kodachrome II and even then you have to get them processed

correctly. I do not 'roll my own,' but my son-in-law who does says that there is one stage in the operation when the difference of a degree or two will affect the color value. Agfachrome is sold with the processing included at cost comparable to the overall cost of Kodachrome II. I do use a light meter and find that the recommended shutter speed of  $\frac{1}{125}$  second gives good color value."

We might add that Dorothy's son-in-law had what we considered a most exciting job with NASA—as an official photographer he was assigned to the recovery area to photograph the return of our astronauts from their journeys into space!

Doris DeHaan in Wayland, Mich., adds to previous reports on camera equipment. "I use an Alpa Camera 35mm. I had my close-up lens along on one photographing trip, but having forgotten my tripod, just used the smitar lens that came with the camera; it takes from about 12 feet to infinity. I used a light meter always. If a dark iris, I open the shutter one stop; if a light iris, I close the camera down one stop. I can't hand-hold the camera with the close-up lens as it blurs the picture. This year we developed our own color film so that within an hour and a half I'd be able to see which exposure I'd had best luck with."

#### *Climate and Crossing*

Does climate influence success in getting crosses to take? It's a question every hybridizer ponders. Charlotte Gantz, New Hope, Pa., brings up the subject with reference to her median iris hybridizing projects. "Earl Rider and I have been wondering whether our climate (miserable as it is for us humans a lot of the time) may not be better than average for crosses . . . unless we just have unusually diligent bees. Out of 236 crosses this year over 100 were good and this allowed for a lot of attempts at selfing and intercrossing species. We have also set seed on BLUE FROST and other supposedly difficult parents. It seems to me that this matter of climate might be one of the things to investigate."

Edwin Rundlett, Staten Island, N.Y., an erstwhile apiculturist, who reluctantly relinquished his bees in consideration of his neighbors' automobiles (bees are at least on a par with birds when it comes to bombing accuracy), makes no comment on Charlotte's and Earl's bee situation. He does have wise words on the climate situation: "I doubt that climate accounts for greater success than some others in getting takes when making iris crosses. Damp pollen usually fails. In arid climates stigmatic fluid quickly dries to a point of uselessness, but presumably breeders in such areas apply their pollen very soon after the blossom they wish to pollinate opens, or, better yet, open it with their fingers to apply the pollen. Assuming the general distribution of common sense, I am inclined to believe that the failures are due chiefly to two causes: 1) winter destruction of the developing pollen, and 2) use of impotent pollen.

"The anthers of an iris flower develop before the standards and falls. An iris variety that insists upon growth in warm spells of late winter (such as those with much *pallida* 'blood') have their top-bloom anthers in a position to get nipped. Haven't you noticed that the best light blue TBs, and many of the white-bearded whites, have little or no pollen? It is hard to believe that this is a genetic fault. I choose to believe that it is an effect of winter weather. Side evidence of this is found in the fact that some varieties,

such as the somewhat winter-tender LUGANO, produce little or no pollen here, but an abundance of it in the warmer parts of Texas. Sometimes, too, the top blooms have no pollen, but blooms low on the stalk do. Top blooms are normally ahead in development at all times, so therefore are frost vulnerable. Some varieties, presumably a bit winter tender, open their bottom bloom first. This would be at the tip of the lowest branch. Why? Mrs. Corey's BAY STATE is such an iris originated in Massachusetts. I pondered a long time as to the cause. If the top bloom were destroyed in embryonic state by cold weather following a warm spell, and the top bloom on the lowest branch were the one normally to develop next, this would explain it."

Bob Schreiner comments, "It is common knowledge in ordinary commercial channels that temperatures, both night and day, will affect the amount of set on seed crops. And this is not forgetting genetic incompatibilities."

Bee Warburton, Westboro, Mass. finds the discussion on climate and fertility an interesting problem. "I have always thought that it was dry and warm air that helped to get best seed sets. I think one very significant factor in all these reports is the percentage factor. So many people make one pollination and then consider the cross an infertile one because it doesn't take. If I want a cross I make pollination after pollination until I'm sure it's either taking or refusing entirely. Many of the crosses I end up with are the one pod out of many, many pollinations. So I wouldn't even listen to anybody's claims of bad luck without knowing what percentage, or how many seeds per pod, did set. I am sure one reason my takes are chancier is due to the destruction of pollen fertility by late freezes. I think heat does tend to spoil takes, but I think it has to be *real* heat, in the 90's. We don't usually have that here in median season."

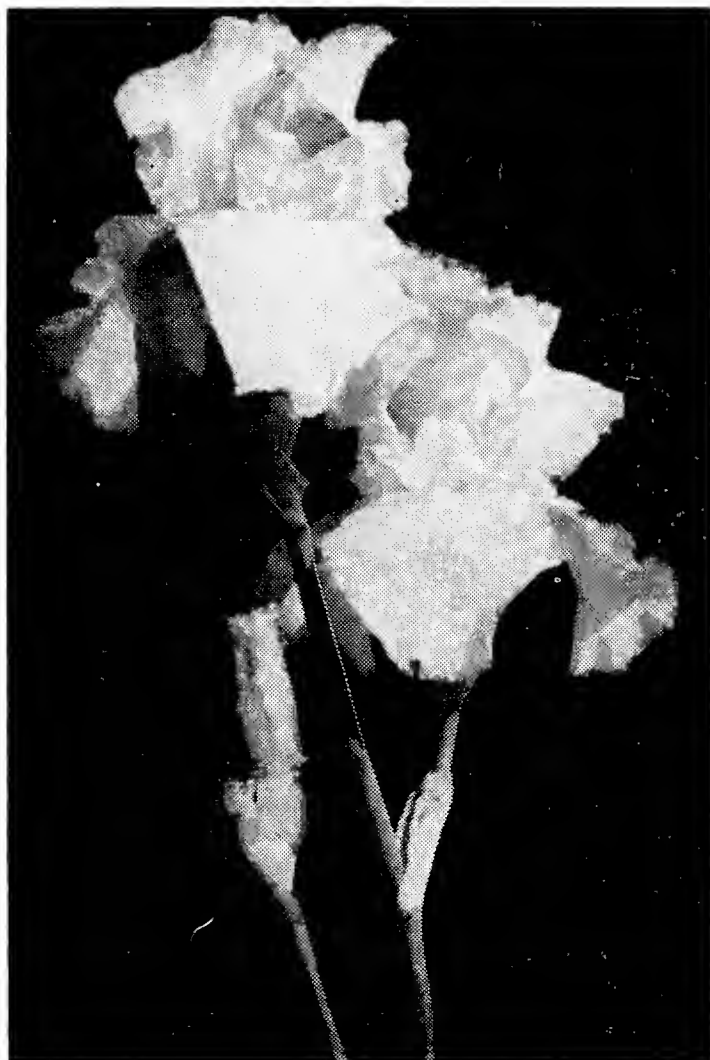
Quite apart from the climatic factors involved, but in line with pollen fertility, and with pollen sterility (involving such things as aborted anthers), we've long felt, especially in TB crosses which are made by legions more breeders who aren't always well versed in basic biology, that too little attention is paid to the fact that a great deal of time and work is lost in not determining a variety's suitability as a stud plant. Granted, amateurs (ourselves included) delight in trying to prove that SNOW FLURRY *does* produce pollen, and that said pollen is sometimes viable, and seedlings are produced. And in reverse, in trying to find the right, very potent pollen which will strike a happy union with a notoriously sterile pod setter. If one checks the record it will be found that some of our best pod parents, (*i.e.*, SNOW FLURRY) are girl irises; and some (*i.e.*, CHIVALRY) are boy irises. That cross of SNOW FLURRY X CHIVALRY has produced so many magnificent irises, and undoubtedly, since these are old irises, there are many newer varieties with similar production records, and it is doubtful whether that Classic Cross has yet been fully explored. We'd like to see much more robin discussion on breeding potentials as pod and pollen parents among newer varieties, and the potential breeding value of irises in many different color classes, and in other characteristics which seem to be transmitted to seedlings.

#### *Hobby or Mania?*

Peg Edwards, Massapequah Park, N. Y., puts this most succinctly: "Any hobby is better than none, but we have the best of all! It partakes of so many. Most hybridizers take color slides; they learn about color and acquire almost a painter's eye for it, (and what a lot do paint and draw!); they

read—lordy, how they read . . . and devour all kinds of byways of reading. As for exercise, we're right in there with the golfers, bowlers, etc., with our spading and digging and toting sacks of fertilizer. We are collectors of antiques, philanthropists with our extra divisions, clubmen and club women . . . .”

. . . and she hasn't listed the half of it!



SOUTHERN COMFORT (Hinkle 1963)



ULTRAPOISE (Noyd) '63

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### HOW TO JOIN AN AIS ROBIN

Applications for Tall Bearded Robins should be sent to the National Program Director. For membership in other divisions, application may go to the National Program Director (advising which divisions you wish to join) or to the chairman of the division in which you wish to enroll. The Irises in General, General Hybridizing and General Medians Divisions are recommended for fairly new irisarians wishing to gain broad general background on those topics. Regional Robin applications may be sent to your own Regional robin representative, the National Director or the division chairman. For names and addresses of National Robin Program personnel please refer to the directory of FLIGHT LINES on the second page.



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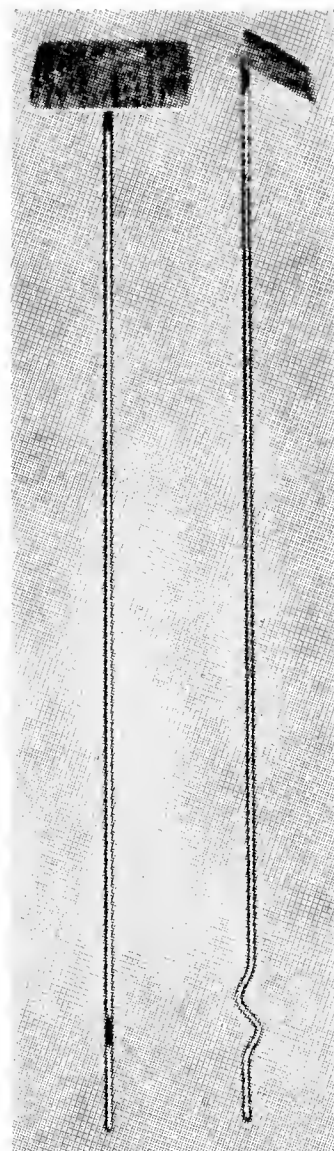
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**AUTUMN BLAZE.** #205-61 (In the process of registration) Smooth golden-tan blend, nearly a self, with red beard. 34" From several generations of brown x pink crosses .....\$20.00

**LOOK TWICE.** A miniature dwarf. 3". Perky, flaring red-violet; bitone effect due to deep thumbprint spot covering most of falls. Beard is white. Balkana x pumila seedling. ....\$ 5.00

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to

LEO HAVEN (Serlena Reynolds).....93 votes

## RUNNERS-UP

ULTRAPOISE .....88 votes

FLUTED HAVEN .....43 votes

CROSS COUNTRY .....19 votes

JAILBIRD .....17 votes



Serlena Reynolds



SKYWATCH (Benson 64)

## 1965 INTRODUCTIONS

**DEBBY RAIRDON** (Kuntz) 34" E-L.  
The closed wavy standards are sub-  
dued yellow with white on the reverse  
side. The round, wavy, horizontal falls  
are pearly white with yellow on the  
reverse side. Very heavy substance.  
(Parentage unknown. The pod parent  
was a good pink.) . . . . . Net 25.00

**GYPSY SENORITA** M-L-34" (N62-2-11)  
Lacy variegata. Lacy bright yellow  
standards with a green line up midrib.  
Falls are brown-red with a lace edge.  
Gold line from end of beard to edge of  
falls. (Organ Music x Apricot Dancer)  
. . . . . Net 25.00

**PLICATA LACE** M-L. 32 or more a very  
lacy plicata done in cream, yellow  
and brown. The petals are edged in  
yellow lace. Well placed flowers;  
(Firecracker x Pink Sensation) x (Fire-  
cracker x Pink Formal) X (Polly Ander-  
son's Lacy Oyster Seedling x My  
Darling. . . . . Net 25.00

**SPRING LOVE** M-L-36" (N60-60-61)  
Long well branched pink cream with  
pink style arms. The haft is rosy tan  
and the beard is coral. Fragrant—  
Vigorous grower—Rippled and slightly  
laced. Seedling (N7-100: Pink Mauve  
Mohr x Midwest Gem x New Horizon)  
x sibling X Revel . . . . . Net 25.00

**WENATCHEE VALLEY** M-L. 30"  
(N62-15-63A) Large iris with frilled  
and lacy pink standards, edged tan.  
Serated styles. Falls flared creamy  
tan with rosy tan haft and tangerine  
beard. Heavy substance. Fragrant.  
(Marilyn C. x Apple Valley)  
. . . . . Net 25.00

**YES SIR** L. VL. (N61-68-62A) 34"  
Fragrant deep yellow-orange self even  
the beard. Slightly ruffled and very  
showy. Average size (Fusilier x  
Aspenglow) . . . . . Net 25.00

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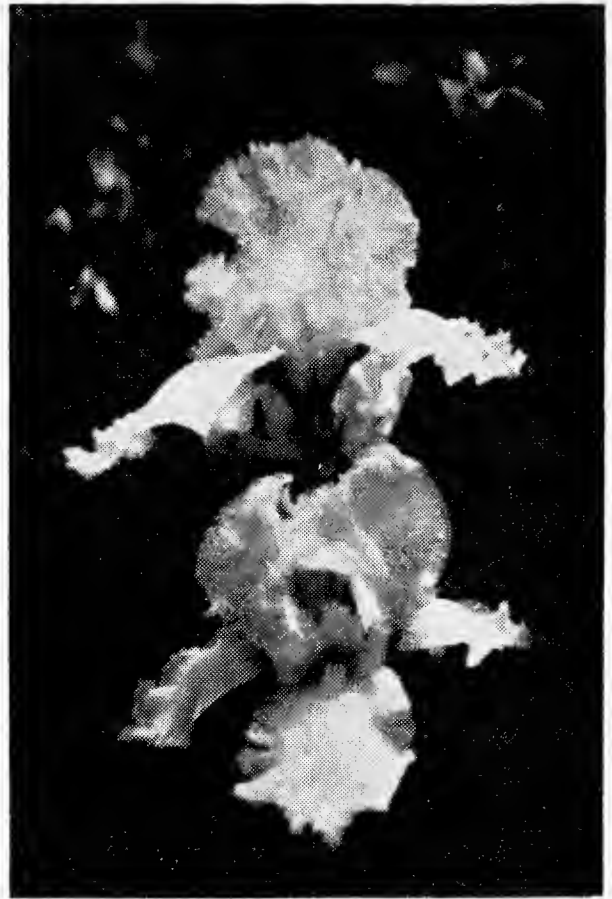
Few to go this year . . . . . \$10.00

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at the Region 17 show.



GOLD CITATION '65  
M. G. Olson

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### **ANNOUNCEMENTS**

**HYBRIDIZERS:** Hybridizers who wish to guest irises at the 1967 convention gardens should note elsewhere in this publication that the convention will be in Denver, and that all guest rhizomes should be sent to RVP Joseph O. Riley, 4284 Hooker St., Denver, Colorado 80211.

**1964 INTRODUCTIONS**

**PENSIVE MOOD** (Dr. L. E. Fraser). First Violet x [(Vesper Shadows x (Sky Ranger x Chivelry)]. This big, smooth, moderately ruffled, very heavily substantanced violet has created much favorable comment. Many experts acclaim it the best in its class. Erect, domed standards and very wide semi-flaring falls, slightly lighter toned around a near-white beard. Excellent stalk and branching. Mid-season to late. Sdlg. #58-3 M. 36" H.C. 1963. \$25.00

**1963 INTRODUCTIONS**

**ANGELIQUE** (Mrs. Ernest E. Batson). Beautifully formed flowers on tall stems. Orchid with violet beard and violet onco-veining. (Snow Flurry x Capitola). Arilberd runner-up, Judges choice (1964) with 28 votes. H.C. 1961, H.M. 1964. \$15.00

**PARTY DOLL** (Dr. L. E. Fraser). H.C. 1961, H.M. 1964. Blue Sapphire x (New Snow x Azure Skies). Pale icy blue, self colored beard, clean, non-fading. Is heavily ruffled and fluted. Good stalks and branching. 2 or 3 buds to each socket. \$15.00

**LOVE LYRIC** (Dr. L. E. Fraser). (Snow Flurry x Cloud Castle) x White Bouquet. H.C. 1962. Wide, beautifully formed, heavily substantanced white. \$15.00

No Catalog. One Rhizome each 1963 Introductions ..... \$32.50  
Any two 1963 Introductions ..... \$25.00

**DR. L. E. FRASER ● 428 Beverly Avenue ● Florence, Alabama**

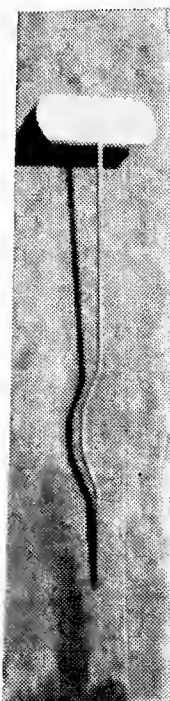
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# **HANDBOOK FOR JUDGES AND SHOW OFFICIALS**

WILLIAM T. BLEDSOE, *Editor*

By the time you receive this *Bulletin*, the revised edition of the *Handbook for Judges and Show Officials* will be off the press, and may be ordered from Clifford Benson, Secretary, American Iris Society, 2237 Tower Grove Blvd., St. Louis, Missouri 63110.

A chapter on judging each section of irises has been written by an authority or team of authorities in each field, officially appointed by each specialty organization.

Contents: Kinds of Judges and Method of Accreditation; Duties and Responsibilities of Judges; American Iris Society Awards; Learning and using Color Classification; Garden Judging of Tall Bearded Irises; Exhibition Judging of Tall Bearded Irises; Medians; Arils and Arilbreds; Spurias; Siberians; Louisianas; Japanese; Bulbous; Presenting of an Iris Show; Judging Iris Arrangements; American Iris Society Show Rules.

The book will contain from 120 to 128 pages of material written by the authorities in each field, and has been gone over so thoroughly by these authorities and their advisers that we feel that the edition as published will represent the current thinking on standards and practices.

Price: \$1.00 to AIS member; \$1.50 to all others.

## **WITH PRIDE, WE PRESENT MARK I (M. K. Torbett) TB-33-M-W1**

When selecting seedlings, Mrs. Torbett insists on weather resistance to wind, rain, and intense sun. A winner on the show bench, spectacular in the garden. Gorgeous white, violet flushed styles. Extra large flowers of heaviest substance are gracefully waved. Standards wide, domed and closed. Wide falls arched, semiflaring. Excellent branching with many well placed buds on strong stalks. Beautiful foliage, dark red at base of leaves. ((NEW SNOW x MT. WASHINGTON) x self)) x #707 MELODRAMA sdlg.) .....\$35.00

## **JAY DARLING (M. K. Torbett)**

TB-33-M ((JASMINE x BLUE BOY) x (AND THOU x DYMIA)) x EMMA Cook Sdlg. #903. The whole flower large pearly oyster white is set off by heavy bright rich blue beards. Standards closed, inside midribs blue. Style arms same. Small patch of green-gold at throat accentuates the arched semiflaring falls. Green-gold buds. ....\$35.00

## **FRENCH TONES (M. K. Torbett)**

Table-M-16. S.lilac-gray, F.yellow .....\$10.00

One to a customer, please

## **TORBETT GARDENS, *Lilac Haven***

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ST. JOSEPH, MO. 64503



HONOR GUARD (61-2) Marvin Olson



SWAHILI (Plough 1964)

### “REGISTRATIONS IN 1964”

The Registrar's report of iris registrations in 1964, being distributed as Section Two of this issue of the *Bulletin*, reflects the increasing activity of our hybridizers. The number of registrations rose to 732, from 679 in 1963. A breakdown by classes of the 1964 registrations follows.

Tall bearded .....	421	Japanese .....	71
Border bearded .....	59	Spuria .....	15
Intermediate bearded .....	25	Siberian .....	16
Miniature tall bearded .....	3	Louisiana .....	14
Standard dwarf bearded .....	48	Pacific Coast class .....	4
Miniature dwarf bearded .....	30	Species—colchicine-treated .....	2
Arils and arilbreds .....	24		<u>732</u>

The pamphlet includes notations of the introduction of 417 varieties, registered in 1964 or in prior years. The 1963 pamphlet listed 373 introductions of irises registered in 1963 or earlier.

# Minutes of Joint RVP-Directors Meeting

Hotel Peabody, Memphis, Tennessee

May 7, 1965

The joint meeting of the RVPs and the Board of Directors was called to order at 8:30 A.M. by President Carney. Present were: First Vice President Fischer, Second Vice President Nelson, Past Presidents Randolph and Rogers, Directors Allen, Bartholomew, Bledsoe, Buxton, Durrance, Gaulter, Hamblen, Schreiner Executive Secretary Benson, and Treasurer Ackerman. Absent: Director Lenz.

Mr. Carney welcomed and introduced the officers, Directors, Regional Vice Presidents or their alternates, and guests. Regions 15 and 21 were represented by alternates—Mrs. Barbara Serdynski and Larry L. Harder, respectively. Regions 8, 10, 16 and 19 were without representation. All other Regions were represented by their RVPS.

Representing AIS Sections were: Mr. Clarke Cosgrove and Mr. Ralph Johnson, Spuria Iris Society; Mr. C. A. Swearngen, Society for Japanese Iris; Mrs. Adelaide Peterson, Median Iris Society; and Mrs. H. L. Edwards, Society for Siberian Irises.

Others in attendance were: Mrs. Helen McCaughey, Historian; and Mr. Thomas E. Jacoby, past BULLETIN Editor.

Reports of the following officers were presented:

Executive Secretary Benson reported on the present membership of the Society by Regions and States, the total being 6,941 as compared with 6,975 one year ago. Region 17 was reported as being the largest Region in membership; Region 18, second; Region 6, third; Region 24, fourth; Region 7, Fifth; Region 4, sixth; Region 14, seventh; Region 15, eighth; Region 22, ninth and Region 9, tenth.

Treasurer Jay C. Ackerman presented a financial report for the six-month period ended March 31, 1965, including a statement of receipts and disbursements and a statement of assets showing the Society to be in sound financial condition.

Additional reports were made by:

Mrs. Walter H. Buxton, chairman of the Awards Committee.

Mrs. J. R. Hamblen, chairman of the Registrations Committee.

Mr. John A. Bartholomew, chairman of the Robins Committee.

Dr. Lee W. Lenz, chairman of the Scientific Committee (read by President Carney).

Dr. Raymond C. Allen, chairman of the National Test Gardens Committee.

Dr. John R. Durrance, chairman of the Regional Test Gardens Committee.

Mrs. Helen McCaughey, Historian.

Mr. William T. Bledsoe, chairman of the committee for Revision of the Judges Handbook and chairman of the Exhibitions Committee.

Mr. Hubert A. Fischer, chairman for Sections and Affiliates.

Mr. Thomas E. Jacoby, past BULLETIN Editor.

Mr. J. Arthur Nelson, BULLETIN Editor and Registrar. Mr. Nelson also gave a comprehensive report on Color Classification.



Mr. Robert Schreiner, chairman of the Slides Committee.

Mr. Larry Gaulter, chairman of Judges Training Program.

Following informal discussion of these reports, the meeting adjourned at 1:30 P.M.

CLIFFORD W. BENSON, *Executive Secretary*

## Minutes of Board of Directors Meeting

Hotel Peabody, Memphis, Tennessee

May 8, 1965

The meeting was called to order at 8:30 P.M. by President Carney with the following in attendance: First Vice President Fischer, Second Vice President Nelson, Past Presidents Randolph and Rogers, Directors Allen, Bartholomew, Bledsoe, Buxton, Durrance, Gaulter, Hamblen, Schreiner, Executive Secretary Benson, and Treasurer Ackerman. Absent: Director Lenz.

The minutes of the meeting in Chicago October 10th and 11th, 1964, published in the January, 1964, BULLETIN, were approved. Also approved were the reports of officers and committee chairmen presented May 7th, 1965, at the joint RVP-Board breakfast.

Dr. Raymond C. Allen, Mr. John A. Bartholomew and Dr. L. F. Randolph were appointed as a steering committee to investigate the possibility of conducting a 1970 semicentennial convention and celebration in Region 32 and its environs, where the AIS had its beginning in January, 1920.

Nominations for the Board of Directors were made as follows: Mrs. Walter A. Buxton, Dr. John R. Durrance and Mr. Hubert A. Fischer, to succeed themselves. Mr. Ira E. Wood, New Providence, New Jersey, was nominated to succeed Dr. Lee W. Lenz, whose term expires in 1965.

The Distinguished Service Medal was awarded to Mr. Claude C. O'Brien, Greensboro, N.C.

Mrs. Walter Colquitt was appointed as an ex-officio member of the Registrations Committee.

Dr. Raymond C. Allen, Mr. Larry Gaulter and Mr. Robert Schreiner were appointed as a committee to study the ethics of guesting irises. Their report will be presented at the Fall Meeting of the Board of Directors, New Orleans, Louisiana.

Mr. William T. Bledsoe's motion was approved as follows:

When judging horticultural specimens on the show bench, a panel of judges may consist of one or more members. Any panel, however, must consist of a majority of AIS accredited judges.

It was voted that effective immediately, reservation of names by hybridizers to the Registrar is discontinued.

It was voted that the fall meeting of the Board be held in New Orleans, Louisiana, on November 6-7, 1965.

CLIFFORD W. BENSON, *Executive Secretary*



# *THE IRIS CLINIC*

“I am in favor of making the national testing program an integral part of registration, and a successful point score ought to be the prerequisite to the granting of a name. The ideal would be to test all named varieties over the next ten years and rescind the registration of all that either fail the testing program or are not submitted for testing. . . . At present we have no method of recognizing and rewarding outstandingly good garden merit. The most obvious cure for this defect is to schedule the testing of such known good performers and publish their scores. Essentially, these irises are, and must remain, the standards of comparison by which the newer plants ought to be measured . . . Nature is not fair nor is she sporting and our plants have to deal with her on her own terms. I see no point in the Society being any less ruthless than Nature when it comes to judging, awarding prizes or granting registration.”

“Much as I would like to agree with Mr. Jake H. Scharff, I can't. Since the important feature of the Symposium is that it is a selection of favorites, varieties which have proved their worth in garden use” does it take thirty years to test the virtues of an iris? Do not the newer ones have merit, if not, why all the efforts of the famous hybridizers, why do they spend a life time trying to improve color, shape of blossom, branching, height and other qualifications. Why the work, worry and persistence of the great Paul Cooks, Greig Laphams, the Wm. Mohrs; all the others that have gone before, and the ones that are still giving of themselves and their talent to task of making the best better in so many ways.

“Would we leave the beautiful roses of today, and go back to the roses of forty years ago. What if an iris does cost \$3.00 to \$5.00, it requires about ten years for a Dykes medal winner to arrive, and they can be bought in that price range. If you buy the best stock of the best iris that you can get, they will prove to be the most desirable in the years to come.

“Should we try to turn the calendar back to the time when the great hybridizers started and start as they did. Why can't we profit by their experiences? One lifetime is not long enough to go all the way. Why persuade the beginner to start with the old reliable, why not the new reliable. So far as I can tell they are all easy to grow, so why not the gorgeous out-of-this-world-blooms. An old-timer with a glowing report may have offspring that are considered better.

“The Symposium is O. K. for most of us. If it sloughs off a few and adds new ones, that is well and good, even if it steps on my toes in doing so, as long as the low ones gets 134 votes, it must be pretty good. All visitors to my garden seem most interested in the newest iris that I have. They know a beautiful iris when they see it, even the beginners.

"I can't say enough for the AIS, officers, editor and staff, who are giving so much, time, effort, and midnight meditation, along with the hybridizers, to the improvement of iris and the BULLETIN.

"The best \$5.00 I have spent since I became lost in the iris world is the one paid for my first year's membership in the AIS. Keep the good work going and we little people may have something in our day to crow about."—MRS. S. THOMAS, Astesia, N. M. 88210.



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# HOW TO REGISTER AND INTRODUCE AN IRIS

These instructions apply to the registration of all classes of irises *except bulbous irises*.

1. Write to our Registrar-Recorder, J. Arthur Nelson, 3131 North 58th St., Omaha, Nebr. 68104, for a registration blank, enclosing check for the registration fee payable to the American Iris Society.

2. The registration fee is \$2.00 for each iris. For each transfer of a name from one iris to another the fee is \$4.00.

3. Select a name which has not been previously registered, which can be submitted for approval when you write for the blank. If you will first look in the Check Lists and the annual reports of the Registrar since 1959 to see if the name has been previously registered, you will save time for yourself and for the Registrar. Please also suggest an alternate name. Mr. Nelson will hold an approved name for a short time to enable you to complete the blank and send it back, but *a name is not registered until the registration blank is filed and approved by him*. A registration certificate will then be sent to you.

4. Names should follow the rules established by the International Horticultural Code, and the following names shall not be admissible:

- a. Names of living persons without the written permission of that person.
- b. Names of persons including forms of address. (That is, JANE DOE, not MRS. JANE DOE.)
- c. Names including numerals or symbols.
- d. Names beginning with the articles "a" and "the" or their equivalents in other languages unless required by linguistic custom.
- e. Abbreviations unless required by linguistic custom.
- f. Latin names or latinized forms. However, the AIS custom of using part of the Latin name of a species, namely, the specific epithet as part of the cultivar name when this seems appropriate, shall be continued.
- g. Use of trademarks or copyrighted names unless previously in common use.
- h. A slight variation of previously registered name.
- i. Names containing more than three words.
- j. Names which exaggerate or may become inaccurate. (e.g., HEAVIEST LACE, TALLEST BLACK.)

5. Previously registered names may be re-used provided (a) the original registration has not been introduced or distributed by name, (b) does not appear by name in later parentage registrations, and (c) the new registrant furnishes the Registrar with a written statement of permission from the previous registrant.

6. Names will not be released as obsolete unless there is proof that no stock now exists and that the iris was never used as a parent.

7. Make parentage records explicit, and include seedling numbers when possible. Color descriptions should be concise, and the designation, conforming to the latest Iris Color Classification of the Committee on Exhibitions, should be included.

8. Classifications of bearded irises will conform to the rules outlined in the January 1958 BULLETIN, pages 9-17. Height and season of bloom are most important. These classifications may be summarized as follows:

- |                                  |  |
|----------------------------------|--|
| 1) Miniature Dwarf Bearded (MDB) | Less than 10"—early blooms.  |
| 2) Standard Dwarf Bearded (SDB)  | 10" to 15".  |
| 3) Intermediates (IB)            | 15" to 18"—hybrids of dwarf $\times$ TB—bloom between dwarfs and TBs.    |
| 4) Miniature Tall Bearded (MTB)  | (Table irises.) 15" to 28"—slender, flexuous stalks, with small flowers. |
| 5) Border (BB)                   | 15" to 28"—shorter irises of TB parentage.                               |

6) Tall bearded (TB)

28" or more.

9. **Introduction.** An introduction is an offering for sale to the public. Catalogs, printed lists, and advertisements in the American Iris Society BULLETIN, are acceptable mediums of introduction. It is a requisite for the awards of the Society above that of High Commendation. *A variety is not eligible for these awards until one year after it has been recorded with Mr. Nelson.* Send him a copy of the catalog, list, or advertisement by first-class mail and he will acknowledge that fact that it has been recorded.

## Iris Slides for Rental

*The American Iris Society maintains numbers of excellent sets of iris slides for rental. Each set contains 100 slides, 35mm size. A list of the names of the irises accompanies each set. Ideal for a program for your iris meetings and garden club meetings, these slides are a fine way to study the new irises. Are you considering, or would you like to see, some new irises? What better way than to rent a set of slides and keep informed on the newer varieties.*

*For that additional program fill-out the following sets are offered:*

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*Requests for slides should be made well in advance for proper scheduling, preferably 30 days or longer. Include a second date if possible. Give the exact date desired so that slides can be sent insured airmail. They are to be returned in the same manner. The rental fee is \$5.00, payable in advance, for each set of 100 slides. Make checks to the American Iris Society and mail with your request to:*

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REGISTRATIONS  
IN 1964

NEW YORK  
BOTANICAL GARDEN

*Compiled by*

MRS. WALTER COLQUITT  
*Registrar-Recorder*



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# HOW TO REGISTER AND INTRODUCE AN IRIS

These instructions apply to the registration of all classes of irises *except bulbous irises*.

1. Write to our Registrar-Recorder, J. Arthur Nelson, 3131 North 58th St., Omaha, Nebr. 68104, for a registration blank, enclosing check for the registration fee payable to the American Iris Society.

2. The registration fee is \$2.00 for each iris. For each transfer of a name from one iris to another the fee is \$4.00.

3. Select a name which has not been previously registered, which can be submitted for approval when you write for the blank. If you will first look in the Check Lists and the annual reports of the Registrar since 1959 to see if the name has been previously registered, you will save time for yourself and for the Registrar. Please also suggest an alternate name. Mr. Nelson will hold an approved name for a short time to enable you to complete the blank and send it back, but *a name is not registered until the registration blank is filed and approved by him*. A registration certificate will then be sent to you.

4. Names should follow the rules established by the International Horticultural Code, and the following names shall not be admissible:

- a. Names of living persons without the written permission of that person.
- b. Names of persons including forms of address. (That is, JANE DOE, not MRS. JANE DOE.)
- c. Names including numerals or symbols.
- d. Names beginning with the articles "a" and "the" or their equivalents in other languages unless required by linguistic custom.
- e. Abbreviations unless required by linguistic custom.
- f. Latin names or latinized forms. However, the AIS custom of using part of the Latin name of a species, namely, the specific epithet as part of the cultivar name when this seems appropriate, shall be continued.
- g. Use of trademarks or copyrighted names unless previously in common use.
- h. A slight variation of a previously registered name.
- i. Names containing more than three words.
- j. Names which exaggerate or may become inaccurate. (e.g., HEAVIEST LACE, TALLEST BLACK.)

5. Previously registered names may be re-used provided (a) the original registration has not been introduced or distributed by name, (b) does not appear by name in later parentage registrations, and (c) the new registrant furnishes the Registrar with a written statement of permission from the previous registrant.

6. Names will not be released as obsolete unless there is proof that no stock now exists and that the iris was never used as a parent.

7. Make parentage records explicit, and include seedling numbers when possible. Color descriptions should be concise, and the designation, conforming to the latest Iris Color Classification of the Committee on Exhibitions, should be included.

8. Classifications of bearded irises will conform to the rules outlined in the January 1958 BULLETIN, pages 9-17. Height and season of bloom are most important. These classifications may be summarized as follows:

- |                                  |  |
|----------------------------------|--|
| 1) Miniature Dwarf Bearded (MDB) | Less than 10"—early blooms.  |
| 2) Standard Dwarf Bearded (SDB)  | 10" to 15".  |
| 3) Intermediates (IB)            | 15" to 18"—hybrids of dwarf $\times$ TB—bloom between dwarfs and TBs.    |
| 4) Miniature Tall Bearded (MTB)  | (Table irises.) 15" to 28"—slender, flexuous stalks, with small flowers. |
| 5) Border (BB)                   | 15" to 28"—shorter irises of TB parentage.                               |
| 6) Tall Bearded (TB)             | 28" or more.   |

9. **Introduction.** An introduction is an offering for sale to the public. Catalogs, printed lists, and advertisements in the American Iris Society BULLETIN, are accept-

able mediums of introduction. It is a requisite for the awards of the Society above that of High Commendation. *A variety is not eligible for these awards until one year after it has been recorded with Mr. Nelson.* Send him a copy of the catalog, list, or advertisement by first-class mail and he will acknowledge that fact that it has been recorded.

## THE REGISTRATION RECORD

The data in each registration record are in the following order:

1. Variety name, in capital letters.
2. Name of originator and year of registration.
3. (Sometimes omitted.) Number by which the seedling was identified by the originator before selection and registration of name.
4. Brief description of the plant:
  - a) Group classification, as TB (a tall bearded iris). Symbols for other bearded classes are included in the list of abbreviations below.
  - b) Height—to tip of terminal bloom on a typical bloomstalk.
  - c) Season of bloom symbol—E for early, EE for extra early, VEE for extremely early, M for midseason, L for late, VL for very late.
  - d) Color symbols (see table of classification of color patterns below).
5. Description of the bloom.
6. Parentage of the variety. The name (or parentage) of the pod parent is stated first—before  $\times$ : Pod Parent  $\times$  Pollen Parent. In the parentages of the pod parent and the pollen parent, the small  $\times$  is used—see ACAPULCO on the facing page.
7. Any award the iris may have received.
8. Name of introducer and year of introduction.

The term Wisley Trials in the record of certain English varieties means that the iris has been placed in the Wisley test garden of the Royal Horticultural Society.

The addresses of originators and introducers may be found on the back pages.

### CLASSIFICATION OF COLOR PATTERNS

<i>Predominating and governing color</i>	<i>Selfs</i>	<i>Plicatas</i>	<i>Bitones</i>	<i>Bicolors</i>	<i>Blends</i>
White . . . . .	W1	W2	W3	W4	W5
Violet . . . . .	V1	V2	V3	V4	V5
Blue . . . . .	B1	B2	B3	B4	B5
Green . . . . .	G1	G2	G3	G4	G5
Yellow . . . . .	Y1	Y2	Y3	Y4	Y5
Orange . . . . .	O1	O2	O3	O4	O5
Red . . . . .	R1	R2	R3	R4	R5
Black (Niger) . .	N1	N2	N3	N4	N5

The background color of the standards determines the color classification. Two color symbols used together designate a mixed color effect, for example, VB for violet blue. Letters not among those in the table that may follow the numeral: P for pale; L, light; D, deep or dark; F, full.

### ABBREVIATIONS

BB	Border bearded iris	MTB	Miniature tall bearded (table) iris
BIS	British Iris Society	R	Registered
F	Falls (sepals) of flower	RE, re	Reblooming (remontant) iris
Gard.	Garden(s)	S	Standards (erect petals)
HC	High Commendation Award	SDB	Standard dwarf bearded iris
IB	Intermediate bearded iris	Sdlg.	Seedling
MDB	Miniature dwarf bearded iris	TB	Tall bearded iris



# Registrations in 1964

## CORRECTIONS IN EARLIER REGISTRATIONS

- CRYSTAL MINT (Alta Brown, R. 1963). Change of classification from Arilbred to IB.
- SIBONEY (F. R. Evans, TB, R. 1963). Correction of spelling (registered as "Sibony").
- SKOOKUM (Noyd, R. 1963). Correction of spelling (registered as "Snookum").
- THE SULTAN (Hite, R. 1963). Change of classification from IB to SDB.
- WEE SCOT (Street, R. 1958). Change of classification from SDB to Arilbred.
- WHITE DOT (Dora Wall, BB, R. 1963). Corrected statement of parentage: ((Snow Flurry × (Spanish Peaks × Daybreak)) × blue sdlg.) × (Snow Flurry × (Shining Waters × Loomis sdlg.))

## THE 1964 REGISTRATIONS

Also the records of introduction of irises registered in previous years. The names of these irises are printed in capitals and small capitals, for example, ALEMbic.

- ACAPULCO (Franke, R. 1964). TB, 40", M-L, Y1D. Dark molten-yellow self, self beard. (Solar Maid × Fusilier) × (Penn Charter × Fusilier). Fleur de Lis 1964.
- AD ASTRA (Babson, R. 1964). Sdlg. N60-8. TB, 38", M-L, Y4W. S., sharp medium yellow; F., white, edged yellow. Sdlg. J167-11 (yellow) × Melodrama.
- AJAX REX (Judy, R. 1964). Sdlg. 5640-1. TB, 32", EM-L, R5. Rose-red self, haft marks on yellow ground, yellow beard. (Cordovan × Molten) × Moulin Rouge.
- ALADDIN'S FIRE (Branch, R. 1964). Sdlg. 6095, TB, 30", E, W2V. White plicata, orchid-pink edges, stippled. From two pink-plicata sdlgs.
- ALASKAN CROWN (Jeannette Nelson, R. 1964). Sdlg. 62-36-1. TB, 38", M-L, W2Y. S., clear white, bright gold edge; F., white, edged gold, yellow hafts, orange beard. Rainbow Gold × Homecoming.
- ALBINO DOLL (Alta Brown, R. 1964). Sdlg. D-253. MDB, 4", EE, W1. White self, white beard. Cretica × Cretica.
- ALEMbic (Jesse Wills, TB, R. 1961). Wills 1964.
- ALITA LEE (Irene Johnson, R. 1964). Sdlg. 4-1963. TB, 36", M, W2V. White with lavender-purple markings. Spanish Peaks × Flying Saucer.
- ALTA SKY (McCaffrey, R. 1964). Sdlg. 30. TB, 40", M, V1. Lavender self, orange beard. Radiation × Blue River.
- AMARILLO GOLD (Gene Simon, R. 1964). Sdlg. S-936-5. TB, 30", M, Y1. Medium yellow, deeper hafts, orange-yellow beard. Moonlight Madonna × Cloth of Gold.
- AMBER ETCHING (Doris Foster, R. 1964). Sdlg. 64-6-5. Arilbred, 34", E-M, O5. S., amber, green infusion, veined darker; F., amber, dotted mahogany-brown, darker signal; amber styles streaked turquoise, bronze beard. (Jallah Effendi × Kalifa Baltis) × Beisan Aga.
- AMETHYST FLOUNCE (M. Knopf, TB, R. 1963). Knopf Gard., Tell, 1964.
- AMETHYST TREASURE (Gladys Saxton, R. 1964). Sdlg. 62A2. SDB, 12", M, V1. Amethyst-purple self. Garnet Treasure × unknown.
- AMIGO'S GUITAR (Plough, TB, R. 1963). Eden Road 1964.
- ANACAPA (Walker, TB, R. 1955). Transferred to spuria Sdlg. S-68-61.
- ANACAPA (Marion Walker, R. 1964). Sdlg. S-68-61. Spuria, 30", M, V3B. S., light blue-violet; F., light blue-violet, overlaid blue-violet. (Wadi Zem Zem × Fairy Lantern) × Fairy Lantern. Schreiner 1964.

- ANCESTOR (May Belle Wright, R. 1964). Sdlg. 62-10. TB, 43", E-VVL, Y1. Lemon-yellow self, white blaze, orange beard. Truly Yours × Lynn Hall.
- ANGEL BUTTERFLY (Corliss, R. 1964). Sdlg. 57S2. Spuria, 40", M, W1. White self, small yellow signal. White Heron × Wadi Zem Zem.
- ANGEL IN PINK (Carstensen, R. 1964). Sdlg. C-4-64. TB, 36", M, W2R. White, stitched pink, yellow beard. Butterhorn × Rosy Veil.
- ANGEL'S SONG (Eva Smith, R. 1964). Sdlg. 64D-5. MDB, 7", EE, B1. Sapphire-blue self. Allah × Little Imp.
- ANN LOUISE (Carlson, TB, R. 1960). Cedar Lake 1963.
- APRICOT FLAME (Rutherford, R. 1964). Sdlg. 58-3D. TB, 30", E, O5. Apricot self. Melody Lane × Party Frills.
- APRICOT LACE (Florence Clark, R. 1964). Sdlg. 5-58-7. BB, 24", L, YO1. Apricot self. Party Dress × Beechleaf.
- APRIL CHARM (Alta Brown, R. 1964). Sdlg. D-367-20. MDB, 5", EE, Y3. S., pale cream; F., green gold, fine cream edge, cream beard. Green Spot × Little Charmer sdlg.
- APRIL CLOUDS (Schortman, TB, R. 1961). Transferred in 1964.
- APRIL CLOUDS (Schortman, R. 1964). Sdlg. 6395. TB, 36", M-L, V2W. S., blue-violet, light center; F., white, bordered blue-violet. (Blue Freckles × Minnie Colquitt) × Rococo.
- APRIL FLIRT (Alta Brown, R. 1964). Sdlg. D-367-8. MDB, 5", EE, W40. S., ivory white; F., dark brown, ivory white edge and beard. Green Spot × Little Charmer sdlg.
- APRIL FROST (Alta Brown, MDB, R. 1963). Brown's Iris Gard. 1964.
- APRIL ROSE (Alta Brown, R. 1964). Sdlg. D-368-8. MDB, 5", EE, V4. S., rose purple; F., rose red, lighter edges, lavender-blue beard. Garnet Treasure × Cretica sdlg.
- APROPOS (Babson, TB, R. 1963). Melrose 1964.
- ARC ABOVE (Fothergill, R. 1964). Sdlg. 61-51. TB, 40", M-L, W4B. S., white; F., azure blue. Aerial × Whole Cloth. Wisley Trials 1961. HC, RHS 1964.
- ARCTIC BEACON (Alta Brown, R. 1964). Sdlg. M-215-3. IB, 22", E, Y3. S., canary yellow; F., slightly deeper, orange beard. Baria × Cotlet.
- ARCTIC BLUE (Alta Brown, IB, R. 1963). Brown's Iris Gard. 1964.
- ARCTIC DREAM (Alta Brown, IB, R. 1963). Brown's Iris Gard. 1964.
- ARCTIC FANCY (Alta Brown, R. 1964). Sdlg. M-506-1. IB, 20", E, W2V. S., white, stitched violet; F., white, stitched violet, wisteria-blue beard. Dale Dennis × Rococo.
- ARCTIC FURY (Cliff Benson, TB, R. 1963). Benson 1964.
- ARCTIC KISS (Alta Brown, R. 1964). Sdlg. M-305-3. IB, 18", E, W4VB. S., white; F., lavender blue, lighter edges, white beard. (Fairy Flax × Drop of Blue) × Whole Cloth.
- ARCTIC MYST (Alta Brown, R. 1964). Sdlg. M-358-4. IB, 20", E, B1. Wisteria-blue self, tan at haft, light-yellow beard. (Snow Elf × blue sib) × Fly-away.
- ARCTIC MYSTERY (Alta Brown, IB, R. 1963). Brown's Iris Gard. 1964.
- ARCTIC ROSE (Alta Brown, IB, R. 1963). Brown's Iris Gard. 1964.
- ARCTIC WINE (Alta Brown, IB, R. 1963). Brown's Iris Gard. 1964.
- ARENAPHYLLA (Hertha van Nes, R. 1964). MDB, 8", EE, V3. S., pink lilac; F., dark reddish lilac. *I. arenaria* × *I. aphylla*.
- ARIL ACCENT (Doris Foster, R. 1964). Sdlg. 64-11-3. Arilbred, 28", E-M, Y5R. Cream-yellow ground, overall rose to maroon veining, gold beard, tangerine styles. (F<sub>2</sub> sdlg. from Kalifa Gulnare and Imam Ahmid) × Beisan Aga.
- ARIZONA CRIMSON (Corliss, R. 1964). Sdlg. 64L1. Louisiana, 34", EE, R1. Cardinal-red self, large gold signal. From sdlg. involving Dorothy K. Williamson, The Khan, Creole Charm, and others.
- ARIZONA OPAL (Corliss, R. 1964). Sdlg. 57L10. Louisiana, 27", E-M, G3. Between carnation green and sung

- green, variable gray tones. Lunar Magic × unknown.
- ARIZONA SKIES (Ralph Johnson, R. 1964). Sdlg. J-59-6. TB, 34", M, W1B. Soft white, violet cast, blue-cast beard. Cliffs of Dover × Frosty.
- ARIZONA SUNRISE (Corliss, R. 1964). Sdlg. 61L2. Louisiana, 30", EE, R5. Rose-opal self, buff reverse, small yellow signal. Porcelain Pink × sdlg. of Kraemer Yellow.
- ARPEGGIO (Chet Tompkins, R. 1964). TB, 42", EM-VL, Y1F. Lemony dandelion-yellow self, self beard. Elysian Gold × Full Voltage. Fleur de Lis 1964.
- ATOMIC GOLD (David Lyon, R. 1964). Sdlg. 58-7-12. TB, 40", E-L, Y1F. Deep yellow self. Gold Cargo × Gold Cup. Robt. Young 1964.
- ATRAKTION (Steiger, R. 1964). Japanese, 32", double, BV1. Blue violet, white center. F<sub>3</sub> Higo-Care strain.
- AUTUMN BLAZE (El Dorado Iris Gard., R. 1964). Sdlg. 205-61. TB, 36", M-L, YO5L. Golden-tan self, gold haft, red beard. From two Sass sdlgs.
- AUTUMN BLUE (Lloyd Austin, R. 1964). Sdlg. O99. TB, 30", M-Re, B3. S., medium blue; F., slightly deeper. Blue Surprise × July Beauty. Rainbow 1964.
- AUTUMN SUN (Eva Smith, R. 1964). Sdlg. 61-852. TB, 33", M, R5Y. Pink and gold blend. Watermelon × Cliff-del sdlg.
- Avis (Varner, TB, R. 1963). Varner 1964.
- AZELLE (McCaffrey, R. 1964). Sdlg. 42. TB, 30", M, Y4. S., green gold; F., green gold throat, fall tips red purple. White Ruffles × Horned Royalty.
- AZLETA (Tim Craig, TB, R. 1963). Craig 1964.
- AZURE PERFECTION (Hazzard, R. 1964). Sdlg. 261. Japanese, 36", LM, double, B3D. Darker shades of blue, dark veins; crested styles. Caroline G. Childs × Azure.
- AZURE STRIPES (Joseph Hoage, R. 1964). Sdlg. 59-84. TB, 35", M, B3. S., blue, F., light blue, dark-blue veining, orange-brown beard. Loomis sdlg. (Blue Vein) × Striped Butterfly. Sunnyhill 1964.
- BABY DOVE (Ellyson, R. 1964). Sdlg. N111-51-28. BB, 27", M, Y5. Golden tan with slight rose overlay. Amandine × (Stardom × Sentinel).
- BALINESEAN (Chet Tompkins, R. 1964). TB, 44", M-L, Y4R. S., golden buff suffused pink; F., deep red. (War Bonnet × Allaglow) × Clarion Call. Fleur de Lis, 1964.
- BALLET PREMIER (Bartholomew, TB, R. 1960). Noyd 1964.
- BANBURY WELCOME (Mrs. L. W. Brummit, R. 1964). Sdlg. 19-3. Pacific Coast, 18", M, V3R. S., raspberry; F., deep raspberry. Amiguita × Sdlg. 4-82-2. AM, BIS 1964.
- BANANA BELT (Kohler, R. 1964). Sdlg. 60-42. TB, 30", M, W5. S., warm white, shaded yellow at base; F., warm white, shaded yellow at haft and beard. ((Snow Flurry × Pink Formal) × (Golden Eagle × Pink Formal)) × Frances Kent.
- BANNERS ON PARADE (Maddocks, R. 1964). Sdlg. M1551. Japanese, 34", E-M, semidouble, W4. S., white, edged fuchsia red; F., fuchsia red. From two sdlgs.
- BARBARA WILCOX (Abercrombie, R. 1964). TB, 38", EM, O1P. Pink self, gold dusted flecking. Pink Talcum × June Meredith.
- BARBARA'S CHOICE (Kitton, R. 1964). Sdlg. 105. Sibirica subsection hybrid, 36", W2V. S., almost white, violet stitching; F., almost white, faint violet stitching. From two Sibirica subsection sdlgs. CC, BIS.
- BARRY (Voris, R. 1964). Sdlg. JB59-2. TB, 38", M, V1. Orchid self, red-tangerine beard. June Bride × Top Flight.
- BARRY MORELL (Carl Carpenter, R. 1964). Sdlg. 59-1. TB, 34", M, R1M. Rose self. Rilla Gabbert × Pathfinder. HC 1963.
- BATTLESONG (F. Amoret Craig, TB, R. 1963). Craig 1964.
- BAYOU SPOTLIGHT (Holleyman, R. 1964). Louisiana, 34", M, V1D. Deep purple self, large white signal.

- (Wheelhorse x Peggy Mac) x (Caddo x Peggy Mac).
- BEACONETTE (Kuesel, TB, R. 1961). Old Brook 1964.
- BEAU BLACK (Plough, TB, R. 1963). Eden Road 1964.
- BEAU ROSE (Patricia V. Craig, TB, R. 1963). Craig 1964.
- BEEBOP (Plough, R. 1964). Sdlg. 61-187-11. IB, 25", M-L, W4B. S., blue-white; F., gentian blue, blended white hafts veined olive, orange beard. Green Spot x Whole Cloth.
- BELISE (Simonet, R. 1964). Spuria, 36", M, V1B. Blue-lavender self. *I. maritima* x *I. carthaliniae*.
- BELLE BOONE HIGGINS (Garrett, R. 1964). TB, 32", M, Y1P. Pale-yellow self, tangerine beard. Limelight x Truly Yours.
- BELOVED BELINDA (Hinkle, TB, R. 1963). Wild & Son 1964.
- BELRAY (Schreiners, R. 1964). Sdlg. R-576-1. TB, 35", EM, B1F. Rich, medium violet-blue self. Sdlg. N-833-1 x ((Harbor Blue x Chivalry) x Cahokia). Schreiner 1964.
- BEN HASSAN (E. S. Fankhauser, R. 1964). Sdlg. A-7-60-D. Arilbred, 30", E, R3. S., wine red, veined darker; F., wine red, overlaid black, gold beard. Sdlg. WO-4 x (Kalifa Gulnare x Beisan Aga).
- BEN IBRIM (E. S. Fankhauser, R. 1964). Sdlg. A-20-60F. Arilbred, 33", E, V5O. S., lavender, veined brown; F., red-brown and lavender, blended veined brown, black signals, brown beard. (Imam Amid x Beisan Aga) x Imam Salah.
- BERCEUSE (Babson, R. 1964). Sdlg. M93-20. TB, 38", M, B4W. S., pale lavender blue; F., white, light-blue beard tipped yellow. Melrose 1964.
- BERMUDA HIGH (Chet Tompkins, R. 1964). TB, 40", ML, R1D. Dark-red self, bronze beard. (Hermit Thrush x (Ahoy x defiance)) x Donnybrook. Fleur de Lis 1964.
- BESSIE B (Wayne McConnell, R. 1964). Sdlg. 61-235. TB, 36", M, O5L. Apricot-pink self, tangerine beard. Mary Randall x Cathedral Bells.
- BETHLEHEM STAR (Doris Foster, R. 1964). Sdlg. 64-5-7. Arilbred, 26", E-M, Y1. S., clear yellow; F., bright yellow, dark-maroon signal, yellow beard. (Jallah Effendi x Kalifa Baltis) x (Imam Salah x Imaret).
- BEULAH LAND (Richard W. Morgan, R. 1964). TB, M, W4V. S., white; F., violet. First Violet x Whole Cloth.
- BIEDERMEIERZEIT (Steiger, R. 1964). Japanese, 32", double, V1D. Dark velvet lilac. F<sub>3</sub> Higo-Care strain.
- BIG CARE (Steiger, R. 1964). Japanese, 44", double, V1D. Velvet-purple self. F<sub>3</sub> Higo-Care strain.
- BIG CHIEF (David Hall, R. 1964). Sdlg. 60-05. TB, 38", L, V5. Mulberry self, orange-brown beard. Briar Rose x Sdlg. 58-28. Cooley 1964.
- BIG JOHN (Schmelzer, TB, R. 1963). Schmelzer 1964.
- BIG MEDICINE (Mrs. Aven Barr, R. 1964). Sdlg. 61-11. TB, 36", M, V1D. Violet self. (Snow Flurry x New Snow) x Paul Cook sdlg.
- BILL NORMAN (Varner, R. 1964). Sdlg. 59-34. TB, 36", EM, W1. White self, medium-yellow beard. (Mary Randall x Techny 5190) x (Cherie x Hall's 4614). HC 1964. Varner 1964.
- BINNIE (Rodley, R. 1964). Sdlg. L15. BB, 23", L, B3. Medium blue with violet thumbspot, turquoise signal at beard tip. Tinkerbelle x blue TB. Nelson South 1964.
- BIRTHDAY PARTY (D. Hansford, R. 1964). Sdlg. B3-53. BB, 22", M, O1P. Shell-pink self. Happy Birthday x Party Dress. HC, BIS.
- BISCO (Tom Craig, R. 1964). Sdlg. 64-14. TB, 38" M-L, O5. S., chestnut; F., chestnut, washed henna, violet blaze. (Embrown x Cobre) x Nuez.
- BLACK CONTRAST (Mildred Brizen-dine, R. 1964). Sdlg. 68-63. SDB, 10", E, V1D. Dark-purple self, white beard. Lilli-White x (Black pumila x Blazon).
- BLACK FLOUNCE (Sass-Carstensen, BB, R. 1960). Nick's Gard. 1964.
- BLACK WYCH (G. Anley, R. 1964). Sdlg. 15-51B. TB, 29", M, V3D. S., dark violet; F., very dark purple. (Black Hills x Ebony Queen) x

- Black Taffeta. HC, BIS 1964. Wisley Trials 1964.
- BLANCO (Tom Craig, TB, R. 1963). Craig 1964.
- BLAUER ORIENT (Steiger, R. 1964). Sibirica, 20", E, B1M. Medium-blue self. Parentage unknown.
- BLAUE STUNDE (Steiger, R. 1964). Japanese, 34", double, VB1. Dark blue-lilac self. F<sub>3</sub> Higo-Care strain.
- BLAZE OF BLUE (Lloyd Austin, R. 1964). Sdlg. 233. TB, 33", M-L, R5. Deep rose, large blue blaze at beard tip. Oriental Glory × Lois Craig.
- BLAZING HEARTH (Fothergill, R. 1964). Sdlg. 1-66. TB, 36", M-L, YO5. Shimmering copper on bright gold, self blend. (Veda Brice × Ethel Miller) × Bingham. Wisley Trials 1962. HC, RHS 1964.
- BLUE ACE (Rosenfels, SDB, R. 1963). Raleigh Hills 1964.
- BLUE BEAUTY (Gertrude Hays, R. 1964). TB, 36", M, B1D. Dark-blue self. Dodge City × blue sdlg.
- BLUEBELL LANE (Caroline DeForest, R. 1964). Sdlg. 64-40-S. TB, 36", M, V5. Medium lavender-violet self, self beard. High Above × Mountain Music.
- BLUE DAMSON HAVEN (Reynolds, TB, R. 1963). Twintrees 1964.
- BLUE EVERBLOOMER (Lloyd Austin, R. 1964). Sdlg. 197. TB, 29", ML, B1V. Light lavender-blue self. Pierre Menard × September Sparkler.
- BLUE FLECKS (John Goett, R. 1964). Sdlg. 9D6. SDB, 10", E, W2BV. S., white, heavy blue-violet markings; S., white, blue-violet markings. Dale Dennis × Knotty Pine.
- BLUE FORMAL (Schortman, TB, R. 1962). Schortman 1964.
- BLUE HONEY (Swearengen, R. 1964). Sdlg. S-412. Japanese, 42", M, double, V1B. Spectrum-violet self, yellow signal patch surrounded by sailor blue halo, two branches. Sky and Water × Frances Horton.
- BLUE LEATHER (Tom Craig, TB, R. 1963). Craig 1964.
- BLUE MILLER (Tom Brown, BB, R. 1963). Sunnyhill 1964.
- BLUE MOUNTAINS (Schreiners, R. 1964). Sdlg. P-658-S. TB, 38", ML, B1M. Medium violet-blue self. First Violet × Blue Linen. Schreiner 1964.
- BLUE NOCTURNE (Payne, Japanese, R. 1959). Payne 1964.
- BLUE NOTE (Dorothy Palmer, R. 1964). Sdlg. 3361B. TB, 36", M, W1B. Blue-white self, blue beard. (Tranquility × White Bouquet) × ((Snow Ballet × Blue Ensign) × Blue Throat).
- BLUE PAPILLON (Bonnie Madsen, R. 1964). Arilbred, 48", EM-L, B2. S., lavender blue; F., lavender blue heavily striped. Butterfly Wings × Mary McClellan.
- BLUE PETTICOATS (Schreiners, R. 1964). Sdlg. S-893-G. TB, 34", E-M, W2V. White-ground plicata with blue-cast lavender edges. Rococo × Dotted Swiss.
- BLUE RIDGE MOUNTAIN (Helen Rogers, R. 1964). Sdlg. 64-8-8. TB, 29", M, B1V. Violet-blue self, violet-blue beard. Parentage unknown.
- BLUE SPARKS (Welch, SDB, R. 1963). Welch 1964.
- BLUE TULIP (Knocke, TB, R. 1962). Tell 1964.
- BLUE WADI (Corliss, R. 1964). Sdlg. 61S3. Spuria, 50", L, B1L. Light French blue, light-yellow signal; fine blue veins cover segments. Blue Corsage × Wadi Zem Zem.
- BLUSHING BEAUTY (Luella Noyd, R. 1964). N61-3-33. TB, 34", EM, W5. S., warm white flushed pink at base; F., white, clear pink at haft, coral beard, serrated edges. (Pink Mauve Mohr × (Midwest Gem × New Horizon)) × Apple Valley. Noyd 1964.
- BLUSHING SUNLIGHT (Bledsoe, R. 1964). Sdlg. 64-38. TB, 40", M-L, O4Y. S., light pink; F., light yellow. (Sweet Refrain × Picture Bouquet) × (Sweet Refrain × Picture Bouquet).
- BORDER BELLE (Alta Brown, R. 1964). Sdlg. 59-44-3. BB, 25", M-L, Y4W. S., light yellow; F., white, ¼" border of yellow lace, yellow beard. Seafair Princess × Seafair Queen.
- BORDER FRILLS (Alta Brown, BB, R. 1963). Brown's Iris Gard. 1964.

- BORDER JOY (Rodley, R. 1964). Sdlg. L8. IB, 19", E, W5V. S., white, flushed grey-lavender; F., grey-white, light-violet halo, orange beard. Tinkerbelle × blue TB. Nelson South 1964.
- BORDER PEACE (Rodley, R. 1964). Sdlg. L12. IB, 19", E, V3. S., palest lavender; F., pale lavender, olive haft venation, deep violet halo below beard. Tinkerbelle × blue TB. Nelson South 1964.
- BOUNTIFUL BEAUTY (Lloyd Austin, R. 1964). Sdlg. 1107. TB, 32", M-RE, V1L. Lilac-pink self. Pink Pinafore × Tournament Queen.
- BRIDAL SWEET (DeForest, TB, R. 1963). Irisnoll 1964.
- BRIGHT HERALD (Jesse Wills, TB, R. 1961). Wills 1964.
- BRINEY (F. Amoret Craig, TB, R. 1963). Craig 1964.
- BRISTOL GEM (Leavitt, R. 1964). Sdlg. B-24, TB, 36", M-L, B1M. Medium-blue self, blue beard. Allegiance × Pacific Panorama.
- BRONZE BANTAM (LeGron, BB, R. 1963). LeGron 1964.
- BRONZE BORDER (McEwen, R. 1964). Sdlg. 58-50-F. BB, 20", M-L, O3F. S., buff, blending to chrome yellow; F., buff at edges lemon-yellow at center, yellow beard. Inca Chief × Centurion.
- BRONZE CORSAGE (Corliss, Spuria, R. 1958). Arizona Mission 1964.
- BROOK SONG (Chet Tompkins, R. 1964). TB, 38", M-VL, B4W. S., deep blue; F., milky tinted, intense blue beard with green base. Silken Sails × ((Silken Sails × Surprise Party) × (Mountain Music × Wide World)). Fleur de Lis 1964.
- BROWN FLARE (Judy, R. 1964). Sdlg. 5712-1. BB, 24", M-L, O3D. S., dark orange yellow; F., strong brown to brownish orange, yellow haft and beard, light-purple blaze. Master Neil × Red Chieftain.
- BROWN RINGS (Alta Brown, R. 1964). Sdlg. 59-66-3. BB, 26", EM, O4V. S., plum brown; F., violet, ½" border of plum brown, amber beard. (Moon Rings × Leading Lady) × self.
- BUCEPHALUS (Corliss, Spuria, R. 1956). Arizona Mission 1964.
- BURGFRAULEIN (Steiger, R., 1964). Japanese, 32", single, W4. White self, with violet edge. F<sub>3</sub> Higo-Care strain.
- BURMA ROSE (Ellyson, TB, R., 1962) transferred to 1964 registration.
- BURMA ROSE (Ellyson, R. 1964). Sdlg. AH-59-05. TB, 30", M, YO5D. Brown self, yellow beard and haft. (Stardom × Sentinel) × General Patton.
- BUTTERCUP BRITE (Kemp, R. 1964). Sdlg. 6115. MDB, 6", E, Y1. Buttercup-yellow self, yellow beard; many buds. Sdlg. of Zantha × yellow dwarf.
- BUTTERFLOWER (Harden, R. 1964). BB, 20", E, Y1F. Golden-yellow self, orange-yellow beard. (Jake × Wabash) × Party Dress. Tell 1964.
- BUTTERFLY HAVEN (Reynolds, TB, R. 1963). Twintrees 1964.
- BUTTERSCOTCH RIPPLE (Hagberg, R. 1964). Sdlg. 60-31. TB, 34", M, YO5. S., golden tan; F., same, yellow blaze around deep-yellow beard. Butterscotch Kiss × sdlg.
- CALICO PRINT (Hazzard, R. 1964). Sdlg. 207. Japanese, 28", EM, single, W4. S., dark lavender, white rib and edges; F., white, short blue-lavender rays from light-yellow signal; white styles. Caroline G. Childs × unknown.
- CAMBRIDGE (Mrs. L. W. Brummitt, R. 1964). Sdlg. 27-2. Sibirica, 36", M, B1. S., turquoise blue; F., same, white and yellow markings at base. White Swirl × Gatineau. Wisley Trial.
- CAMPUS FLIRT (Daling, TB, R. 1963). Eden Road 1964.
- CANADIAN CLIFFS (Hartkopf-Gable, R. 1964). Sdlg. 62-13. TB, 38", M-L, W1. White self. Cliffs of Dover × Canadaway.
- CANARY FRILLS (Reckamp, R. 1964). Sdlg. 60-4. TB, 34", M, Y3. S., cream; F., cream, white, and yellow. Waxing Moon × Orchid Jewel.
- CANDLE BRIGHT (Knowlton, R. 1964). Sdlg. 52-17A. TB, 32", M-L, Y4R. S., near white, flushed clear yellow; F., mahogany red. Extravaganza × Maytime.
- CANDY SWEET (Plough, R. 1964). Sdlg. 58-72-7. BB, 24", M-L. O3P. S., azalea pink; F., lighter, deep around

- beard, deep coral-pink beard. Parentage unknown.
- CARE PINK (Steiger, R. 1964). Japanese, 28", single, V1L. Orchid-pink self. F<sub>3</sub> Higo-Care strain.
- CARE ROYAL (Steiger, R. 1964). Japanese, 36", single, VB1. Dark lilac-blue, white center. F<sub>3</sub> Higo-Care strain.
- CARNIVAL GLASS (Bennett Jones, R. 1964). Sdlg. 575-1. BB, 20", M, YO5. S., brown; F., brown, carmine, some blue. Sdlg. 286 × Perique.
- CARNIVAL HAVEN (Reynolds, TB, R. 1963). Twintrees 1964.
- CARNIVAL OF ROSES (Vallette, R. 1964). Sdlg. K13-F86. TB, 38", M, V5R. Orchid-rose self, tawny hafts and crests, tangerine beard. Crinoline Belle × Pretty Carol.
- CAROLANDS (Corlew, R. 1964). Sdlg. 193-3B. TB, 32", M, O1P. Blended peach-pink, hafts overlaid cornsilk; mandarin red beard. (Party Dress × Native Dancer) × Lynn Hall.
- CAROLINA PEACH (Lolita Powell, R. 1964). Sdlg. 58-8. TB, 34", ML, O1P. Pastel-pink self. Midwest Gem × Ballerina. Tell 1964.
- CAROLINA RUBY (Lolita Powell, R. 1964). Sdlg. 60-8. TB, 36", E-L, R1. Ruby-red self. Bang × unknown.
- CAROLYN MAE (Vallette, TB, R. 1960). Vallette 1964.
- CARVED ALABASTER (Schreiners, R. 1964). Sdlg. R-1123-5. TB, 36", EM, Y3L. S., rich yellow cream; F., lighter, deeper hafts, yellow beard. Patrician × (Pink Formal × Pathfinder). Schreiner 1964.
- CASCO BAY (Willard Rogers, R. 1964). Sdlg. 8601. TB, 38", M, B1M. Medium-blue self. Pierre Menard × Cloud Rift.
- CELESTIAL ORCHID (Rex Brown, TB, R. 1963). Brown's Iris Gard. 1964.
- CELESTIAL SWAN (Collie Terrell, R. 1964). Sdlg. T-60-56. TB, 36", M, W1. Snow-white self, yellow beard tipped white. Swan Ballet × Celestial Snow.
- CENTER OF INTEREST (Maddocks, R. 1964). Sdlg. M1622. Japanese, 40", M-L, double, V1. Red-violet self, blue area around yellow spears. From two sdlgs.
- CHAMPAGNE MUSIC (Fay, R. 1964). Sdlg. 59-31. TB, 36", V1P. Pale blue-orchid over cream, lightening to near white; tangerine-red beard, tipped white. (((New Snow × Pink Cameo) × pink sdlg.) × May Hall) × (((Snow Flurry × Pink Cameo) × pink sdlg.) × May Hall). Moldovan 1964.
- CHARADE (Babson, R. 1964). Sdlg. M74-5. TB, 40", M, VID. Indigo-violet self. Goodness × Ruffled Starlight.
- CHARMING BEAUTY (Rutherford, R. 1964). Sdlg. 62-15. TB, 34", L, O1P. Pink self. (Inspiration × Party Dress) × Helen Louise.
- CHARM OF FINCHES (Hansford, R. 1964). Sdlg. C2-63. Sibirica, 26", M, Y2. S., pale gold; F., gold and black markings. F<sub>1</sub> sdlg. × F<sub>2</sub> sdlg.
- CHARM SCHOOL (Palmer, TB, R. 1963). Palmer 1964.
- CERRY COBBLER (Leavitt, R. 1964). Sdlg. 2102. TB, 38", E-M, R5P. Rose-pink self, tangerine beard. Pretty Carol × Pink Enchantment.
- CERRY HALO (Mahood, MDB, R. 1963). Raleigh Hills 1964.
- CERYL'S CHOICE (Ruth Hunkins, R. 1964). Sdlg. KR7-5. TB, 32", E-M, R3. Rosy bitone, rose-pink beard. Pink Salmon × Pagan Princess.
- CHESTNUT CHEEKS (Lloyd Austin, R. 1964). Sdlg. 0108. TB, 40", EM-Re, Y5. S., golden buff; F., pinkish golden buff, flush of gold around edges. Orchid Flame × Menominee.
- CHICKADEE (B. Jones, MDB, R. 1963). Raleigh Hills 1964.
- CHILTERN GOLD (Patton, IB, R. 1961). Raleigh Hills 1964.
- CHIT CHAT (Hager, IB, R. 1963). Melrose 1964.
- CHRISTIE ANNE (Larry Gaulter, TB, R. 1963). Mission Bell 1964.
- CHRISTMAS TIME (Schreiners, R. 1964). Sdlg. T-43-A. TB, 41", M, W1. Pure-white self, red-tangerine beard. White sport of May Hall × Arctic Flame.
- CHUMASCH CHIEF (Marion Walker, R. 1964). Sdlg. S-122-61. Spuria, 40", E, O5D. Deep chocolate-brown self.

- Grace Perry Nies × Nies-51S25. Schreiner 1964.
- CIELO (Tom Craig, TB, R. 1963). Craig 1964.
- CIENFUEGOS (Patricia V. Craig, TB, R. 1963). Craig 1964.
- CINDERELLA'S COACH (Jennings, R. 1964). Sdlg. 63-45. TB, 36", L, YO1. Golden-orange self. (Golden Sunshine × Yellow Organdy) × Queen's Lace.
- CIRCLE D (Caroline DeForest, R. 1964). Sdlg. 63-10. TB, 38", M, W2B. S., white, blue plicata border; F., white, medium-blue border. DeForest 31A × Rococo.
- CITY OF PORTERVILLE (Schortman, TB, R. 1963). Schortman 1964.
- CLAIRE'S JOY (Alta Brown, MDB, R. 1963). Brown's Iris Gard. 1964.
- CLARET MAHOGANY (Lloyd Austin, TB, R. 1963). Rainbow 1964.
- CLARION ISLAND (Ann and C. Blocher, R. 1964). Sdlg. B-40. TB, 32", EM-L, B1L. Light-blue self. Faye 53-76 × Fay 52-08.
- COAL DUST (Walker Ferguson, R. 1964). Sdlg. 63-5. Spuria, 36", E, BVID. Very dark, shows some purple at sunset. (Monteagle × Sdlg. 58-11) × Sdlg. 61-7.
- COGO (Tom Craig, R. 1964). Sdlg. 64-17. TB, 38", E-L. V5. Lobelia to aconite. Mary McClellan × sdlg. involving Blue Violet, Headland, and Narain.
- COLLEGE QUEEN (David Hall, R. 1964). Sdlg. 59-53. TB, 36", M, O1P. Light-pink self, tangerine beard. From two sdlgs. Cooley 1964.
- COLOR SPREE (G. A. Carlson, R. 1964). Sdlg. G60-26-D. TB, 38", M-L, V5. S., blended plum, violet, brown; F., pansy-red violet, brown hafts and border, light-blue blaze below blue-tipped beard. Granada sib × Granada.
- COME LOOK (Swearengen, R. 1964). Sdlg. S-58. Japanese, 40", M-L, double, V1. Blue-violet halo at yellow signals, deepening to dark violet, self styles, blackish-violet veining; stamens terminate in petalettes. (Frances Horton × Imperial Robe) × (Imperial Robe × Fashion Model).
- CONFECTION (Babson, R. 1964). Sdlg. M98-18. TB, 32", M, V1. Deep-lilac self. Commentary × ((Sdlg. E61-3 × Cahokia) × Storm Warning).
- COOL CLASSIQUE (Wayne McConnell, R. 1964). Sdlg. 61-18A. TB, 34", M, W1B. Ice-white self, white beard. Blue Shimmer × New Snow.
- COOL CRYSTAL (Gene Simon, R. 1964). Sdlg. S-961-7. TB, 29", E-M, W1B. Blue-white self, bluish beard. Snow Flurry × Chivalry.
- COOL HEAD (Tim Craig, R. 1964). Sdlg. M2. TB, 38", E-M, W4V. S., oyster white; F., blue violet. Mary McClellan × Whole Cloth.
- COPPER DOLL (Carstensen, TB, R. 1963). Nick's Gard. 1964.
- CORALAIRE (Roy Brizendine, R. 1964). Sdlg. B-60-59. TB, 35", M, O1P. Medium-pink self, wide coral beard. (Happy Birthday × Muhlestein's (49-11-B × Raspberry Ice Cream)) × May Hall × (Muhlestein's 49-11-B × Raspberry Ice Cream).
- CORAL BUTTE (Plough, R. 1964). Sdlg. 60-64-8. TB, 30", EM-L. YO1, Rich coral, tangerine-orange self, Saturn red beard. Lorna Lynn × (Cloud Parade × Pink Enchantment).
- CORAL ELEGANCE (Bledsoe, TB, R. 1963). Bledsoe 1964.
- CORALENE (Caroline DeForest, R. 1964). Sdlg. 62-50-S. TB, 36", M, O1P. Medium-pink self, coral-pink beard. Heartbeat × (Sdlg. 53-5D × Frost and Flame).
- CORSAGE OF PHARAOH (Corliss, Spuria, R. 1959). Arizona Mission 1964.
- COUNTRY ROAD (Sparger, R. 1964). TB, 36", M, Y1F. Bright-yellow self, white blaze, yellow beard. Country Cream × Riviera.
- COUNTRY SQUIRE (Gaulter, R. 1964). Sdlg. 63-45. TB, 38", EM, W2V. White-ground plicata, medium-purple stitching, purple beard. Latest Love × Rococo.
- COURTSHIP (Cliff Benson, TB, R. 1963). Benson 1964.
- COURT WHITE (Kitton, R. 1964). Sibirica, hybrid, W1. White self. From two Sibirica sdlgs.



- CRADLE CAPERS (Alta Brown, R. 1964). Sdlg. D-393. MDB, 5", EE, Y4O. S., bright yellow; F., yellow, dark brown thumbprint, ivory beard. Cradle Days × Cute Capers.
- CRAFTSMAN (Knopf, TB, R. 1963). Knopf Gard., Tell 1964.
- CREAM QUEEN (McCaffrey, R. 1964). Sdlg. 33. TB, 40", M, Y1P. Cream self, orange beard. Spanish Peaks × Mulberry Rose.
- CREAM RUFFLES (Reath, R. 1964). MDB, 8", EE, Y1P. Cream-yellow self, yellow haft marks. Baria × Nylon Ruffles.
- CREAM SUPREME (Welch, MDB, R. 1963). Welch 1964.
- CREDO (Babson, R. 1964). Sdlg. M-50-4. TB, 38", M-L, R1D. Maroon-red self. (Inca Chief × Innuendo) × Black Taffeta.
- CREME DE MENTHE (Wolff-Hildenbrandt, R. 1964). Sdlg. 62-97-15. BB, 20", L, W1G. Greenish-white self, mint-green hafts and throat, beard white to orange. L'lita × Perfect Love.
- CRESTING WAVES (Payne, Japanese, R. 1960). Payne 1964.
- CRIMSON LACE (Lloyd Austin, R. 1964). Sdlg. 228. TB, 31", L, R3. S., rosy amber, F., deep crimson, yellow veins at throat. Zulu Warrior × Ruffled Apache. Rainbow 1964.
- CRIMSON REPEATER (Lloyd Austin, R. 1964). Sdlg. 1103. TB, 44", EM-Re, R3. S., light crimson; F., bright crimson. Firebright × Autumn Delight. Rainbow 1964.
- CRINGLEBECK (Mrs. A. O. McWilliam, R. 1964). Sdlg. 586-1. TB, 38", M-L, B1P. Pale-blue self. ((Helen McGregor × Great Lakes) × Lady Ilse) × Sarah Elizabeth.
- CRINKLED GEM (Robert Schreiner, TB R. 1956). Released for sdlg. R-1116-3.
- CRINKLED GEM (Schreiners, R. 1964). Sdlg. R-1116-3. TB, 34", M, V1L. Light lavender-orchid self. ((F315-C × sib) × (Casa Morena × F315-C) × (I-108-1 × I-108-3) × (((Chantilly × Midwest Gem) × Spanish Peaks) × D. Hall white sdlg.)). Schreiner 1964.
- CRINOLINE (Schreiners, R. 1964). Sdlg. T-1080-A. TB, 37", EM, W2R. S., rich raspberry-rose, heavily plicata marked; F., same rose shade, ¾ with sharp plicata markings. Kimberley × Memphis Lass.
- CROWN DERBY (Richard W. Morgan, R. 1964). TB, M, V1F. Deep-violet self, matching beard. First Violet × Whole Cloth.
- CRYSTAL BLAZE (N. Rudolph, R. 1964). Sdlg. 63-31. TB, 33", M, W5V. S., white with lilac flush; F., white, very light lilac flush; red beard. (Fay 56-06 × 59-31) × Sdlg. 61-43.
- CRYSTAL BLUE (Schreiners, R. 1964). Sdlg. S-573-C. TB, 37", L, B1L. Frosty glacial-blue self, deeper in borders. Galilee × (((Pierre Menard × (Blue Rhythm × Chivalry)) × Harbor Blue)). Schreiner 1964.
- CRYSTAL MINT (Alta Brown, IB, R. 1963). Brown's Iris Gard. 1964.
- CRYSTAL RIVER (Plough, TB, R. 1963). Eden Road 1964.
- CUMBERLAND GOLD (Motsch, R. 1964). SDB, 12", E, Y4. S., gold, F., gold, overlaid light tan. ((Sunset Serenade × Bryee Canyon) × Carpathia) × Carpathia.
- DAINTY DALE (Vallette, R. 1964). SDB, 12", VE, V3. S., flesh pink, edged orchid pink, wire edging of rose; F., orchid rose, white hafts dotted rose, white beard tipped lemon. Dale Dennis × unknown.
- DAINTY GEM (Rutherford, R. 1964). Sdlg. 62-8B. TB, 32", M, O5. True apricot-pink self. (Happy Dreams × Helen Louise) × Apricot Glory.
- DAISY CHAIN (Greenlee, R. 1964). Sdlg. 64-2. SDB, E, W1G. Clean white, milk, green and white, deep medium-blue beard. (Pixie × Mourning Dove) × self.
- DALLAS (Voris, R. 1964). TB, 36", M, Y3. S., bright yellow; F., white with yellow border, yellow beard. Tea Time × (Happy Birthday × (Pagan Princess × Heritage)).
- DAME VIOLET (Swearengen, R. 1964). Sdlg. 41. Japanese, 35", E-M, double, V3. Spectrum violet around yellow signals, dark violet at edges, darker self veins, self styles. Two branches.

- (Red Titan x Lilac Pageant) x Frances Horton.
- DAMSON BEAUTY (Schmelzer, TB, R. 1958). Schmelzer 1964.
- DANCETTE (Framke, R. 1964). TB, 30", E-L, Y1. Pure gilt-yellow self, fiery red beard. Apricot Dancer x Cutie Pie.
- DANCING PALOMINO (Voris, R. 1964). Sdlg. (MVC-50) 64-O. TB, 36", M, Y1P. Ivory cream-white self, peach centers, red-orange beard. Fiftieth State x Marian V. Croft.
- DANCING RILL (Schreiners, R. 1964). Sdlg. R967-2. TB, 35", M, Y50. S., blended sunset rose and sunburst gold; F., more golden yellow, not as deep as S. ((Copper Medallion x Watchfire) x Inca Chief) x Spellbound. Schreiner 1964.
- DANCING WAVES (Payne, Japanese, R. 1962). Payne 1964.
- DARK AMETHYST (Gene Simon, R. 1964). Sdlg. S-129-1. Arilbred, 22", L, V1D. Purple self, texture veining red purple. New Snow x Capitola.
- DARK SPANGLES (Rundlett, SDB, R. 1963). Old Brook 1964.
- DARLING DAUGHTER (Geo. Warner, R. 1964). Sdlg. 58-107. TB, 34", M, B4W. S., pale blue; F., white, green cast around violet beard, crest, and styles. Blue Sapphire x Joan Crawford.
- DAUGHTER MARLENE (C. & K. Smith, TB, R. 1960). Smith 1964.
- DAVID DOEBLER (Harvey Burns, R. 1964). Sdlg. 64-26. TB, 36", M-L, O1P. Shell-pink self, white in center of F and S., pale-blue flush. ((Pagan Princess x New Horizon) x Frost and Flame) x Whirlaway.
- DAWN HAVEN (Reynolds, TB, R. 1963). Twintrees 1964.
- DAZZLING DEBUTANTE (Payne, Japanese, R. 1962). Payne 1964.
- DAZZLING FRILLS (Rutherford, R. 1964). Sdlg. 59-22. TB, 32", E, Y1F. Deep-yellow self. (Hit Parade x Moontide) x Cherry Flip.
- DEAR BOB (Hinkle, TB, R. 1962). Wild & Son 1964.
- DEBBY RAIRDON (Kuntz, R. 1964). Sdlg. 59-2. TB, 36", M-L, W5Y. White self, yellow reverse, yellow edges. Parentage unknown.
- DEBONAIR PRINCE (Payne, Japanese, R. 1962). Payne 1964.
- DEBRA KATHLEEN (Hilda Fail, TB, R. 1961). Noyd, Fail 1964.
- DECEMBER GARNET (Lloyd Austin, R. 1964). Sdlg. 126. TB, 36", M-Re, R1D. Deep-carmine self. Savage x Gold Hill.
- DEEP DAWN (Tompkins, TB, R. 1963). Fleur de Lis 1964.
- DELICIOUS (Plough, R. 1964). Sdlg. 59-115-58. TB, 35", M-L, V1. Amethyst-violet self, saffron-yellow beard. Lavendula x Orchid Isle.
- DESEREE (Mrs. Edward Miller, R. 1964). Sdlg. 61-A. TB, 36", M, V1. Deep-orchid self. Spanish Peaks x Top Favorite.
- DIAMOND CUT (Neugebauer, R. 1964). Sdlg. 17. Louisiana, 38", M, V1F. Strong-violet self. Creole Can Can x Twilight Mist.
- DILLY DILLY (Warburton, R. 1964). Sdlg. 30G-1. IB, 20", E, B1L. Light-blue self. Blue Whisper x Blue Denim.
- DISTANT HILLS (James Marsh, R. 1964). Sdlg. 62-30. TB, 33", VE, B1M. Dark medium-blue self, lighter at beard. (Galilee x Celestial Blue) x Allegiance.
- DIVINE MELODY (Eva Smith, R. 1964). Sdlg. 61-316. TB, 36", M, Y1P. Ivory-cream self, gold hafts, orange beard. Limelight x (Limelight x Cliff-dell sdlg.) x Apricot Dancer.
- DIVINE SONG (Schmelzer, TB, R. 1963). Schmelzer 1964).
- DOGE OF VENICE (Jeannette Nelson, R. 1964). Sdlg. 16-14-2. TB, 34", M-L, V1D. Doge purple self, small violet blaze, brown beard, darker expanding lines on falls. Western Welcome x Black Taffeta.
- DOLL TYPE (Hager, IB, R. 1963). Melrose 1964.
- DON MAXIMO (Steiger, R. 1964). Japanese, 28", single, BV. Blue-violet self, white center. F., Higo-Care strain.
- DON RICARDO (Rosenzweig, R. 1964). Sdlg. O-5. Oncobred, 18", E, V3. S., bishop's violet; F., royal pur-

- ple, veined light purple on white ground near black signal, greyish-purple beard. Par-Pall × Ib-Mac.
- DOODLE BUG (McHugh, R. 1964). Sdlg. 6131-A2. MTB, 22", M, Y2R. Light yellow-ground plicata, fancy-marked pink. Majorette × Dotted Swiss.
- DOROTHY GEE (Robert Little, R. 1964). Sdlg. L-61-18. TB, 37", M, O3P. Falls darker pink than S., tangerine beard. Paradise Pink × Pink Enchantment.
- DOROTHY WALKER (Fletcher, R. 1964). Sdlg. MW-HF 1. Pacific Coast hybrid, 7", M, W1Y. Creamy-white self. Parentage unknown.
- Do TELL (Baker, TB, R. 1960). Baker 1964.
- DOUBLE MAJESTY (Raymond Smith, R. 1964). Sdlg. B41BR. TB, 36", Re, V2. Strong reddish-purple fancy plicata, yellow beard. Muhlestein's (Joseph's Mantle × Echo Valley) × Rundlett E-O4-R.
- DRAGON LADY (Opal Brown, R. 1964). Sdlg. 4-5E3. TB, 38, M, Y5. S., pale greenish buff, F., same, amber haft, bronze beard. Emerald Fountain × ((Esquire × Altar Light) × Blue Miller sib)
- DREAMING SPIRES (Mrs. L. W. Brummitt, R. 1964). Sdlg. 19-6. Sibirica, 36", M, V3VB. S., lavender; F., deep royal blue. White Swirl × Tycoon.
- DREAM MAKER (Earl Roberts, IB, R. 1963). Roberts 1964.
- DREAM SONG (Eva Smith, R. 1964). Sdlg. 61-136. TB, 34", M, W4. S., white; F., white, gold border and haft, tangerine beard. Coralynn × Reckamp sdlg.
- DREAM STREET (Framke, R. 1964). TB, 39", M-L, V1. Bengal-rose self, red beard. (Marsha Kay × Mary Randall) × (Mary Randall × Cameo Coral).
- DREAM STUFF (Mahood, MDB, R. 1963). Raleigh Hills 1964.
- DREAM WHIP (Wolff-Hildenbrandt, R. 1964). Sdlg. 62-117-60. BB, 26", L, W1G. Green-white self. Perfect Love × Pretty Carol.
- DRESDEN CANDLEGLOW (Reath, R. 1964). Sdlg. BA-15-62. IB, 20", E, Y1. Yellow self, white blaze below yellow-tipped beard. Baria × Yellow Dresden.
- DR. RAYMOND T. STAMM (Voris, TB, R. 1963). Voris 1964.
- EARLY FLAME (Tom Craig, TB, R, 1963). Craig 1964.
- EARLY REDBIRD (Judy, R, 1964). Sdlg. 5628-1. TB, 30", EM, R1D. Currant-red self, undertone of capsicum red, orange beard. Pacemaker × Moulin Rouge.
- EASTER BEST (Eva Smith, SDB, R, 1963). Smith's Iris Gard. 1964.
- EASTER RAINBOW (Rutherford, R., 1964). Sdlg. 59-36. TB, 34", M, Y5O. S., gold and pink; F., pink and gold. ((Overture × Afar) × Party Frills) × pink sdlg.
- EASTER SUNSET (Rutherford, R. 1964). Sdlg. 58-15D. TB, 32", M, O3P. S., glowing apricot pink; F., deep apricot pink. ((Hit Parade × Pink Formal) × Pink Fluff) × Helen Louise.
- EASTGATE (Colin Fankhauser, R. 1964). Sdlg. C-2-58-C. TB, 36", LM, B1M. Medium blue self, yellow beard. Pierre Menard × Elizabeth of England. Errey Bros. 1964.
- EASY TO LOVE (Ollman, R. 1964). Sdlg. 163. TB, 34", M-L, W2V. S., flushed purple; F., cream-white, stippled and veined purple, chartreuse beard tipped blue. Yucca Flat × (Dancing Deb × (Belle Burnette × (Elsa Sass × Green Shadows))).
- EBONY EMBERS (Mildred Brizendine, R. 1964). Sdlg. MB-39-60. IB, 17", EM, N1. Black self, bronze beard. Sable Night × Black Baby.
- EDNA WEED (Weed-Fuhrman, R. 1964). Sdlg. 11-A. TB, 34", E-M-Re, V1. Vivid lavender self, tangerine beard. Heathercrest × Heritage.
- ELFIN ANTIQUE (Earl Roberts, IB, R. 1963). Roberts 1964.
- ELFIN SMOKY (Earl Roberts, IB, R. 1963). Roberts 1964.
- EL GRANDE AZUL (Tolman, R. 1964). Sdlg. 56-237-1. TB, 35", M,

- B1M. Medium blue self, subtle shadings, slightly deeper on lower F. (Snow Flurry x Blue Valley) x (Cloud Castle x Chivalry).
- ELIXIR (Hager, Spuria, R. 1963). Melrose 1964.
- ELLEN Q (Wm. Peck, R. 1964). Sdlg. D-102-K. BB, 27", M, Y4W. S., yellow; F., white, yellow center. Star Shine x Whispers.
- EMILY SAUNDERS (Peach, R. 1964). Sdlg. 61-27-1. BB, 24", M, V5M. Orchid-pink self, yellow beard. Lady of Shalott x Mary Randall.
- EMMA HERRON (DuBose, R. 1964). Sdlg. 1176. TB, 38", M, O1P. S., peach pink; F., pink buff and peach, white blaze at tangerine beard. Hidden Fire x Glittering Amber. Melrose 1964.
- ENTERPRISE (C. & K. Smith, TB, R. 1960). Smith 1964.
- EPIC (Babson, R. 1964). Sdlg. 135-6. TB, 36", M, B1M. Medium powder-blue self, orchid highlights. Sdlg. K97 x Perfumed Sapphire.
- ERNIE OF SYRACUSE (Voris, R. 1964). Sdlg. FFWh62-1. TB, 38", M, Y1P. Cream-ivory self, deeper border, orange beard. Whirlaway x Frost and Flame.
- ESSAY (Hager, Spuria, R. 1963). Melrose 1964.
- ETERNAL YOUTH (Schmelzer, TB, R. Schmelzer 1964).
- EVE (Hinkle, TB, R. 1951). Transferred to Sdlg. T-5-1.
- EVE (Hinkle, R. 1964). Sdlg. T-5-1. TB, 36", M, B1. Flax-blue self, cream to yellow beard. (Symphony x Demetria) x Helen Keller.
- EVENING EPISODE (Maddocks, R. 1964). Sdlg. M1624. Japanese, 36", M-L, double, V1M. Medium lavender self, blue around yellow spear. From two sdlgs.
- EXOTIC BUFF (Rex Brown, R. 1964). Sdlg. 58-59-11. TB, 30", M-L, O5. Apricot-buff self, infused with pale lavender, Saturn red beard. Yesteryear x Mary Randall.
- EXOTIC FIRE (Lloyd Austin, R. 1964). Sdlg. 1100. TB, 40", M-Re, R3. Carmine-red self. Firebright x Autumn Flame. Rainbow 1962.
- EYE SHADOW (Earl Roberts, SDB, R. 1962). Roberts 1964.
- FADIAH (Patricia V. Craig, R. 1964). Sdlg. PR-98. TB, 29", EM, R3. S., tapestry red; F., tapestry red blended maroon. (Savage x Molten) x ((Savage x Molten) x Bang).
- FAIR AND WARM (Plough, TB, R. 1963). Eden Road 1964.
- FAIR ATHENS (Nicholas Moore, R. 1964). Sdlg. 42. TB, 38", M, Y1L. Light yellow self. Apollonic x (Chantilly x Benton Ophelia).
- FAIRY DREAM (Eva Smith, R. 1964). Sdlg. 64D-6. MDB, 7", E, B3. S., sapphire blue; F., sapphire with deeper spot. Allah x Little Imp.
- FAIRY MUSIC (Carleton MacLean, R. 1964). Sdlg. M58-7. TB, 38", E, V5. Orchid-red self. Radiation x Cassebeer 655.
- FAIRY ROSE (Schreiners, R. 1964). Sdlg. R118-8. TB, 38", M, RV1L. Rich rose-lavender self. Amethyst Flame x Pretty Carol. Schreiner 1964.
- FALL BEACH PLUM (G. P. Brown, R. 1964). TB, 29", Re, YO4. S., red-brown; F., plum color; 4 branches. Summer Inspiration x Fall Serenade.
- FALL CHEERFULNESS (G. P. Brown, Re-TB, R. 1963). Brown's Everblooming Gard. 1964.
- FALL DRAGON (G. P. Brown, Re-TB, R. 1963). Brown's Everblooming Gard. 1964.
- FALL LUNALITE (G. P. Brown, Re-TB, R. 1963). Brown's Everblooming Gard. 1964.
- FALL WHITE SPOT (G. P. Brown, R. 1964). TB, 29", Re, Y1. Light yellow self, white blaze. September Buttercup x Nuchawauka.
- FALL YELLOW GIANT (G. P. Brown, Re-TB, R. 1963). Brown's Everblooming Gard. 1964.
- FANCY CAPER (Warburton, IB, R. 1963). Old Brook Gard., Plough 1964.
- FANNIE R (Van de Water, MDB, R. 1960). Old Brook 1964.

- FAREZ (Tom Craig, R. 1964). Sdlg. 64-27. TB, 38", M, W2V. S., white patterned campanula violet; F., white bordered deep lobelia violet. Riptide × (Vengeance × Full Circle).
- FASHION AND FANCY (Payne, R. 1964). Sdlg. 991. Japanese, 41", LM, 9 petals, VID. Royal-purple self. Debonair Prince × Sdlg. 792 (Hisakata × Sdlg. 547).
- FASHION FETE (Payne, Japanese, R. 1960). Payne 1964.
- FAST TRACK (Plough, TB, R. 1963). Eden Road 1964.
- FAZIZA (Frances A. Craig, R. 1964). Sdlg. FA64-97. TB, 30", M, R3. S., hematite red; F., port wine blended burnt sienna. Savage × ((Savage × Molten) × Bang).
- FESTROBE (Steiger, R. 1964). Japanese, 24", single, W4. S., white; F., red with white center. F<sub>3</sub> Higo-Care strain.
- FEZA (Patricia V. Craig, R. 1964). Sdlg. P64-1. TB, 36", E-M, O3P. S., vanda; F., nymphaea, strong pink bicolor. (Mount Washington × Flora Zenor) × Happy Birthday) × Goodun.
- FIJIAN SEAS (Spinkston, R. 1964). Arilbred, 40", EM, B1. Light blue self, light yellow beard. Cascadian × Hoogsan. Tell 1964.
- FINAL FLING (Horace Wright, R. 1964). Sdlg. 6127. TB, 36", M-Re, VIP. Pale mauve self. Lady Moon × Gibson Girl.
- FIRE RUBY (Muhlestein, R. 1964). Sdlg. 82. TB, 36", M-L, R3. Between Afghan red and Harvard crimson, F. purer red. Defiance × Bang. Tell 1964.
- FIRST SNOWFLAKES (Schmelzer, R. 1964). Sdlg. C-1-3-2. TB, 40", E-L, W1. Snow white self. Celestial Snow × Arctic Flame.
- FIRST VOYAGE (Marion Walker, R. 1964). Sdlg. S-90-16. Spuria, 40", M, B1V. Medium blue-violet self, large golden-yellow signal. Morningtide × Unknown.
- FIVE O'CLOCK SHADOW (Kallenbach, R. 1964). Sdlg. 57-5. TB, 36", M, B1L. Light blue self, dark purple-blue beard. (Blue Rhythm × Sea Lark) × Randolph sdlg.
- FLAMENCO DANCER (Schreiners, R. 1964). Sdlg. R410-1. TB, 37", M, R1D. Vibrant red, copper cast. Unknown × Trim. Schreiner 1964.
- FLAME SPOT (Alta Brown, SDB, R. 1963). Brown's Iris Gard. 1964.
- FLAMING DAWN (Guenther, R. 1964). Sdlg. G-14-1. SDB, 11", ME, R3. S., rose; F., red edged rose, yellow beard. ((TB pink sdlg. × Nana) × sib) × Garnet Treasure.
- FLAMING PEARL (Branch, R. 1964). Sdlg. 6004. TB, 34", EM, W2V. White plicata, pink stippling at edges, tangerine beard. From two pink plicata sdlgs. involving Dream Dust, D. Hall sdlgs, Harriett Thoreau.
- FLASHBACK (Chet Tompkins, R. 1964). TB, 36", M-L, Y1D. Dark yellow, brown beard. ((Top Dollar × Allaglow × Golden Blaze)) × Olympic Torch. Fleur de Lis 1964.
- FLEET ADMIRAL (Chet Tompkins, R. 1964). TB, 42", M-VL, B1V. Violet-blue self, brilliant blue-violet beard. Mountain Music × Flagg Ship. HC 1963. Fleur de Lis 1964.
- FLIGHT TIME (Opal Brown, R. 1964). Sdlg. 2-15A20. TB, 38", M-L, W4V. S., white; F., campanula violet, narrow light-violet edge. (Night 'n Day × Melodrama) × Bright Cloud.
- FLORADORA FLOUNCE (Gibson, TB, R. 1959). Cooley 1964.
- FLORAL ART (Plough, TB, R. 1963). Eden Road 1964.
- FLOUNCED FANTASIA (Lloyd Austin, R. 1964). Sdlg. 225. TB, 34", ML, W2B. S., pale lavender-white; F., white, blue plicata stitching, bright purple flounces blending to lavender white. Spooned Fantom × (Plumed Delight × Horned Rosyred).
- FLOUNCED FRIVOLITE (Austin, TB, R. 1963). Rainbow 1964.
- FLOWER GIRL (Alma Norton, R. 1964). Sdlg. 61-1. BB, 17", M, V3. S., Pastel lilac, deeper at base; F., near mineral violet, pale yellow beard tipped white. Melodrama × Steel Haven. HC 1964.
- FLOWER OF ATHENS (Richard Morgan, TB, R. 1963). Morgan 1964.

- FLURRY OF NEPAL (Danielson, Arilbred, R. 1963). Mount Clare Gard. 1964.
- FLUTED GLORY (Noyd, R. 1964). Sdlg. N8-10YOT. TB, 31", EM, Y1. Bright yellow self, yellow beard. Bell Ringer × (Twilight Sky × June Bride). Noyd 1964.
- FLUTED GOLD (Schortman, R. 1964). Sdlg. 2112. TB, 36", M, Y1F. Solid gold self, no markings. (Nomohr × pink sdlg.) × Curls of Gold.
- FLUTED PEARL (Mrs. E. Miller, R. 1964). Sdlg. 6401. TB, 36", M, W1. Pearly white self. Celestial Snow × Top Favorite.
- FOLDEROL (Hager, BB, R. 1963). Melrose 1964.
- FOREIGN AFFAIR (J. Nelson, TB, R. 1963). Eden Road 1964.
- FOREST FLURRY (Harvey Burns, R. 1964). Sdlg. 63-17. TB, 38", E-M, B1. Moorish blue self, darker beard. ((Black Forest × Storm King) × Spanish Peaks) × Forest Maid.
- FOREST MOON (Ghio, TB, R. 1963). Ghio 1964.
- FORMAL FASHION (Collie Terrell, R. 1964). Sdlg. T60-28. TB, 36", M, VID. Dark purple near black, self beard. Allegiance × Midnight Shadows.
- FOUNTAIN BLUE (Hamblen, R. 1964). Sdlg. H8-97. TB, 36", LM, BV1D. Deep hyacinth blue-violet self. (Silver Chalice × South Pacific) × Galilee.
- FOX ISLAND (Willard Rogers, R. 1964). Sdlg. 59-E-8. TB, 36", M, W2R. White-ground maroon plicata. Tiffanja × (Ebony Echo × Rich Raiment).
- FRANCES HORTON (Swearengen, Japanese, R. 1963). Swearengen 1964.
- FRIENDLY VICTOR (Hazzard, Japanese, R. 1963). Hazzard 1964.
- FRONTIER MARSHALL (Schreiners, R. 1964). Sdlg. T-349-C. TB, 36", EM, R1D. Uniform crimson lake red self, bronzy-cast beard. (Trim × Tall Chief) × Gypsy Jewels.
- FRUEHLICHT (von Martin, R. 1964). TB, 36", E-M, Y1. Yellow self. (Mohr Beauty × Firecracker) × (Zantha × Goldbeater).
- FRUIT SALAD (Kallenbach, R. 1964). Sdlg. 25, TB, 38", LM, R4V, S., pink; F., blue-toned purple-pink edging, red-tangerine beard. (Pink Cameo × Pink Formal sdlg.) X Pink Sensation.
- FUNTIME (Adelaide Peterson, R. 1964). Sdlg. A-3-F. SDB, 13", EM, Y1F. Bright yellow-gold self, slightly darker tone on F., white to yellow beard. Karachi × Welch H503.
- GADGET (Hager, IB, R. 1963). Melrose 1964.
- GAILY GOLDEN (Adelaide Peterson, IB, R. 1963). Peterson 1964.
- GALLANT BEAUTY (Schmelzer, TB, R. 1961). Schmelzer 1964.
- GARDEN ENCHANTRESS (Payne, Japanese, R. 1960). Payne 1964.
- GARISH GOWN (Alpahr, TB, R. 1963). Alpahr 1964.
- GARTENFREUDE (Steiger, R. 1964). Japanese, 20", double, W2. White, violet veins, pale violet styles. F<sub>3</sub> Higo-Care strain.
- GATES AJAR (Plough, R. 1964). Sdlg. 59-97-1. Arilbred, 28", M, Y2. S., buff yellow veined light brown; F., buff yellow, dark brown veining radiating from beard, some purple splashes, mustard beard, straw-yellow styles. Imam Adib × Blue Gate.
- GAY JEWEL (Mildred Brizendine, R. 1964). Sdlg. MB-10-61. MDB, 8", E, Y4. S., yellow; F., dark brown, lavender-blue beard. Zing sib × Cook's 1546.
- GAY LIGHTS (Schreiners, R. 1964). Sdlg. R-955-A. TB, 35", ML, Y5. S., blended copper-bronze; F., lighter, rich molten-yellow without orange. ((Watchfire × Argus Pheasant) × Inca Chief) × Spellbound.
- GAY SONG (Gene Simon, R. 1964). Sdlg. S-963-4. BB, 27", M-L, Y4W. S., clear yellow; F., clear white, ½" yellow border. Summer Sun × Pinnacle.
- GAY TEMPTRESS (Payne, Japanese, R. 1962). Payne 1964.
- GAY TIME (Shoop, TB, R. 1963). Shoop 1964. HC 1963.
- GAY TRACERY (J. M. Gibson, R. 1964). Sdlg. 45-OPE. TB, 34", M, W2V. S., mulberry rose; F., mulberry,

- copper edge. Wild Ginger × Florida Flounce.
- GAY WHISPER (Shoop, R. 1964). Sdlg. B60-14-3. TB, 36", M, Y4W. S., light yellow, flushed pink; F., white, tangerine beard. Spanish Affair × Hamblen H5-35.
- GEE GEE (Guenther, TB, R. 1961). Rio Vista Gard. 1964.
- GEISHA PARASOL (Maddocks, R. 1964). Sdlg. M1631. Japanese, 40", M-L, double, V5. Mottled, striped to solid of rose, fuchsia, blue, and mauve, silver edging on all petals. From two sdlg.
- GEISTERREITER (Steiger, R. 1964). Japanese, 34", double, VID. Dark velvet-lilac self. F<sub>3</sub> Higo-Care strain.
- GENTLE KNIGHT (McEwen, R. 1964). Sdlg. 57-36-0. BB, 28", M-L, W1. White self, pale Indian-yellow beard, no haft markings. Tranquility × Chivalry.
- GEORGE SPECHT (H. Castle Fletcher, R. 1964). Sdlg. 59-13A. TB, 36", M-L, B1V. Brilliant violet-blue self. (New Snow × Harbor Blue) × Gilston Guitar. Third place Florence 1964.
- GERTRUDE WISTER (C. & K. Smith, TB, R. 1961). HC 1962. Smith 1964.
- GETREUER KURIER (van Nes, R. 1964). SDB, 12", EE, BVID. Dark blue-violet self. Mattherhorn × *I. pumila*.
- GILSTON GARBO (H. Castle Fletcher, R. 1964). Sdlg. 58-82A. TB, 34", M-L, O1P. Pink self. Betty Goad × Happy Birthday. Wisley Trials.
- GILSTON GRACE (H. Castle Fletcher, R. 1964). Sdlg. 61-126a. TB, 34", M-L, VID. Orchid purple, raspberry-red beard. Dawn Flight × Lovely Letty.
- GINGER SNAP (Schreiners, R. 1964). Sdlg. S-776-G. TB, 38", EM, O5D. Rich ginger-brown self, light-brown beard. Brass Accents × Dark Chocolate.
- GLACIER GOLD (Jesse Wills, TB, R. 1961). Wills 1964.
- GLISTNER (Mrs. Fran Smith, R. 1964). TB, 33", M-L, O5. Copper self, bright orange beard. Gold Ruffles × Glistening Copper.
- GLITTER AND GAYETY (Payne, Japanese, R. 1962). Payne 1964.
- GLORIOUS TWO-TIMER (Lloyd Austin, R. 1964). Sdlg. 199. TB, 34", M-Re, O4R. S., Light buff-orange; F., scarlet red. Mishawaka × Joseph's Mantle. Rainbow 1964.
- GOLDAMMER (van Nes, R. 1964). MDB, 5", EE, Y1. Canary-yellow self, white beard. *I. chamaeiris* × *I. pumila*.
- GOLD BULLION (Lloyd Austin, R. 1964). Sdlg. 159. TB, 38", ML-Re, Y1L. Bright light-yellow self. Sally Ann × Green Hope. Rainbow 1964.
- GOLD BUTTONS (Hamblen, R. 1964). Sdlg. H8-113-2. SDB, 13", EM, Y1F. Golden-yellow self, orange beard. Fashion Lady × Butterscotch Kiss. HC 1963. Mission Bell 1964.
- GOLD CORSAGE (Corliss, Spuria, R. 1957). Arizona Mission 1964.
- GOLDEN BATH (Corliss, Spuria, R. 1957). Arizona Mission 1964.
- GOLDEN BEAR (Corliss, Spuria, R. 1955). Arizona Mission 1964.
- GOLDEN CHORD (Hamblen, R. 1964). Sdlg. H9-85. TB, 32", LM, Y1L. Aureolin-yellow self, deeper toned beard. ((Desert Song × (Vatican Purple × Cherie)) × Pretty Carol) × Monique × (Valimar sib × Glittering Amber sib).
- GOLDEN FILIGREE (J. M. Gibson, R. 1964). Sdlg. 51-OPD. TB, 38", M, O2. S. burnt orange; F., burnt orange on white ground. Henna Stitches × Wild Ginger.
- GOLDEN JEWEL (Gladys Saxton, R. 1964). Sdlg. 62A3. SDB, 12", M, Y1. Golden-yellow self. Garnet Treasure × unknown.
- GOLDEN OPPORTUNITY (Bledsoe, R. 1964). Sdlg. 62-36. TB, 37", M-L, Y1M. Medium yellow self. (Carmela × Queen's Lace) × (Spellbound × Bronze Bell).
- GOLDEN RIOT (Eva Smith, TB, R. 1963). Smith's Iris Gard. 1964.
- GOLDEN SHOULDERS (Bledsoe, TB, R. 1963). Bledsoe 1964.
- GOLDEN SNOW (Dorothy Palmer, R. 1964). Sdlg. 18-62B. TB, 35", M, W1. White self, deep gold band at haft,

- matching beard. Sunswept × Patrician.
- GOLDING** (J. D. Taylor, R. 1964). Sdlg. D12/3. MDB, 5", E, Y1M. Medium yellow self. Chamaeiris hybrid × Carpathia. HC, Wisley 1964.
- GOLD LIGHTNING** (G. Mayberry, TB, R. 1963). Tell 1964.
- GOLD 'N WHITE** (Fass, TB, R. 1963). Old Brook 1964.
- GOLD TOP HAVEN** (Reynolds, TB, R. 1963). Twintrees 1964.
- GOLDWATER** (Holleyman, R. 1964). Louisiana, 34", M, GY5. Light green-yellow, green throat, orange-yellow signal. Sdlg. 59-6 × Sam Redburn's sdlg.
- GOODUN** (Tom Craig, R. 1964). Sdlg. 64-1. TB, 36", E-Re, O5. Apricot self. (Bigun × ((Mount Washington × Flora Zenor) × Sdlg. H-45-50) × Beaucatcher.
- GRAEFIN CLEMENTINE** (van Nes, R. 1964). MDB, 9", EE, W4Y. S., white; F., light yellow, white beard. Baria × Fairy Flax.
- GRALSBURG** (Hanselmayer, R. 1964). TB, 36", M, OY5. Apricot-yellow self, tangerine beard. Party Dress × Pink Sensation.
- GRAMERCY** (Jesse Wills, R. 1964). Sdlg. 147-61. TB, 34", M, B3. S., light blue; F., slightly darker blue. Cumberland × Homage.
- GRAND ALLIANCE** (Plough, R. 1964). Sdlg. 60-80-8. TB, 34", EM-L, V3D. S., spectrum violet; F., slightly darker, beard brown to blue with brown tips. Polka Time × Allegiance.
- GRAND ATLANTIC** (Willard Rogers, R. 1964). Sdlg. 46203. SDB, 11", B3. S., dark blue; F., medium blue, blue beard. (Snow Flurry × Aphylla Geneva S-2) × Blue Denim.
- GRAND-DAUGHTER** (G. Hays, R. 1964). TB, 30", M, W2V. S., white, purple border; F., white, purple border, yellow beard. Blue Shimmer × lavender sdlg.
- GRANDIFLORA** (Opal Brown, R. 1964). Sdlg. 2-20C2. TB, 30", M, Y5P. S., creamy buff, trace of pink; F., near white, bright yellow band, gold hafts. Sdlg. L-9B-13 × Full Dress.
- GRAY TREASURE** (Corliss, Spuria, R. 1956). Arizona Mission 1964.
- GREEN APPLE** (G. Saxton, R. 1964). Sdlg. 60A. TB, 30", EM, G1. Apple-green self. Carabella × unknown.
- GREEN FLARE** (Vallette, BB, R. 1963). Vallette 1964.
- GREEN FROST** (Alta Brown, R. 1964). Sdlg. M-78-1. SDB, 11", E, Y4G. S., greenish ivory; F., uranium green, greenish beard. Green Spot × unknown.
- GREEN MAGIC** (Alta Brown, R. 1964). Sdlg. M-377-1. Arilbred, 24", E. G1. Smooth uranium-green self, onco shape. (Snow Flurry × Sea o' Blue) × Bali Agha.
- GREEN UNICORN** (Lloyd Austin, TB, R. 1963). Rainbow 1964.
- GRINGO** (Keppel, TB, R. 1963). Keppel 1964.
- GROSSE PARADE** (Steiger, R. 1964). Japanese 36", double, W2. White, violet veins, dark violet styles. F<sub>3</sub> Higo-Care Strain.
- GROSVENOR** (C. & K. Smith, TB, R. 1960). Smith 1964.
- GUARDIAN ANGEL** (Moldovan, R. 1964). Sdlg. 64-4. TB, 34", M, W1G. S., white, green mid-ribs; F., white, vivid pink beard, no markings. Arctic Flame × One Desire.
- HAPPY HOLIDAY** (Schortman, TB, R. 1961). HC 1962. Schortman 1964.
- HAPPY JANE** (Lucy Delany, R. 1964). TB, 36", ML, Y1P. Ruffled cream, creamy yellow flush in S. and hafts, gold beard. Jane Phillips × Happy Birthday.
- HARMONY HOUSE** (James Marsh, R. 1964). Sdlg. 62-17. TB, 35", E, O3. S., light pink; F., apricot, deep red beard. Sdlg. 59-17 (Hall sdlg. × Fay sdlg.) × Sdlg. 60-17.
- HARPETH WATERS** (Jesse Wills, R. 1964). Sdlg. 45-63. TB, 37", M, B3. S., light blue; F., medium blue. From long line of blue sdlgs.
- HASSANEMISCO** (JoAnne Tufts, R. 1964). Sdlg. D27. SDB, 12", E-EM, V3. S., deep purplish-red; F., strong reddish-purple, white line from end of yellow beard. Darmerine × Hanselmayer #19.



- HAWAIIAN HOLIDAY (Tom Brown, R. 1964). Sdlg. 3-13E1. TB, 32", E-M, W2BV. S., white, banded and blended blue-violet; F., white, 1/2" border blue-violet, blue-tipped beard. (Happy Meeting x Full Circle) x Rococo.
- HEARST CASTLE (Irene Johnson, R. 1964). Sdlg. 8-1961. TB, 38", M, VIL. S., light purple; F., same with white blaze. Snow Flurry x Brunhilde.
- HEARTBREAKER (David Hall, R. 1964). Sdlg. 59-30. TB, 36", M, O1P. Light-pink self pink beard. Sdlg. 38-57 x Sdlg. 57-40. Cooley 1964.
- HEART OF BROWN (Corliss, Spuria, R. 1959). Arizona Mission 1964.
- HEART OF NIGHT (Terrell, TB, R. 1963). Melrose 1964.
- HEART OF PHARAOH (Corliss, Spuria, R. 1959). Arizona Mission 1964.
- HEATHER PATERSON (Mary L. Housley, R. 1964). Sdlg. VS-175. TB, 30", M-ML, V5. S., light purplish-pink; F., blended rosy-tan, reddish-orange beard. June's Sister x Mary Randall.
- HEAVENLY PINK (Rex Brown, TB, R. 1963). Brown's Iris Gard. 1964.
- HEAVEN ON EARTH (C. & K. Smith, TB, R. 1960). HC 1962. Smith 1964.
- HEIDI (Wm. Peck, TB, R. 1963). Old Brook 1964.
- HELEN MARIE (Lamoreaux, R. 1964). TB, 32", E, O1P. Peach-pink self, tangerine beard. June Meredith x Pink Formal.
- HELLO DOLLY (O. T. Baker, R. 1964). Sdlg. 60-31. TB, 32", M-L, V1. Strong lavender self, slight brown at hafts, self veining entire length of F. Orange Frills x Wayward Wind.
- HIAWATHA (Hartkopf, R. 1964). Sdlg. 61-30. TB, 36", M, O5D. Garnet-brown self. Red Chieftain x Caldron.
- HIDDEN CHARM (C. Schirmer, R. 1964). Sdlg. 118. TB, 36", M, O5. S., tan and rose blend; F., rose and tan blend, yellow throat. Colonial Dream x D. Hall 51-19.
- HIGH COUNTRY (Edward Christensen, TB, R. 1963). Eden Road 1964.
- HIGH FLIER (C. Schirmer, R. 1964). Sdlg. 54N. TB, 38", E-M, Y5O. Yellow and tan blend, peach on yellow-tan fall. Tammy x Gala.
- HIGH LIFE (Schreiners, R. 1964). Sdlg. 157-1. TB, 36", L, Y2R. Large burgundy-red plicata. Karachi x Lucy Lee. Schreiner 1964.
- HIMMELSTUERMER (Steiger, R. 1964). Japanese, 28", double, V1. Lilac, big white center. F<sub>3</sub> Higo-Care strain.
- HOFBALLETT (Steiger, R. 1964). Japanese, 28", single, W1. White, small pink edge. F<sub>3</sub> Higo-Care strain.
- HOFDAME (von Martin, R. 1964). TB, 36", M-L, V3. S., olive-grey; F., violet. Zarinmutter x Sky Crystal.
- HOLIDAY CHEER (Doris Foster, R. 1964). Sdlg. 63-3-1. Arilbred, 21", EM, R3. S., rose lavender, veined red; F., maroon red, darker blaze, bronze beard, gold styles rose-tipped. ((Kalifa Gulnare x Imam Ahmid) x (Imam Ahmid x Kalifa Gulnare)) x (Kalifa Gulnare x Beisan Aga).
- HOLIDAY MOOD (Eva Smith, TB, R. 1963). Smith's Iris Gard. 1964.
- HONOR GUARD (Olson, R. 1964). Sdlg. 61-2. TB, 36", M, W4B. S., white; F., bluebird blue. First Violet x Whole Cloth. HC 1964.
- HORNED DRAGONFLY (Lloyd Austin, R. 1964). Sdlg. 28. TB, 36", M-L, horned, V5. S., orchid; F., orchid washed rose, dark rose-orchid striping, orchid horns. Sierra Sunset x Horned Mystery.
- HORNED PHARAOH (Corliss, R. 1964). Sdlg. 60S19. Spuria, 44", M, B1. Sea-blue self, large brown patch, horns appear at top of buds. Blue sdlg. x brown sdlg. Arizona Mission 1964.
- HOSANNA (Terrell, TB, R. 1963). Melrose 1964.
- HOT SHOT (Tim Craig, R. 1964). Sdlg. TR-20. BB, 20", EM, R5. Self between Arabian red and garnet red. From two sdlgs.
- HULA DOLL (Alta Brown, MDB, R. 1963). Brown's Iris Gard. 1964.
- ICE BOUND (Clifford Benson, R. 1964). Sdlg. 64-35. TB, 36", M, W1.

- Chaste white self, white beard. (Henry Shaw x ((Jane Phillips x (Spanish Peaks x Cloudless Sky)) x Starlift)) x Van Cliburn.
- ICH LIEBE DICH (Myrtle Wolff, R. 1964). Sdlg. 62-162-2. BB, 19", M-L, Y1. Empire yellow self, lighter below self beard. Yellow Dresden x Maid of Honor.
- I GO KUM (Swearengen, R. 1964). Sdlg. 250. Japanese, 34", M, double, V1. Violet at deep chrome-yellow signals, deepening through blue violet to Rosyln blue. Frances Horton x Sky and Water.
- IKE BABY (McCaffrey, R. 1964). Sdlg. 30. TB, 40", M, O1P. Pink self, orange beard. Radiation x Blue River.
- ILLIANA (Greenlee, R. 1964). Sdlg. 60-210. IB, 20", E, V3. S., light grey-orchid; F., darker grey orchid. Char-Maize x Pearl Shell.
- ILONKA (Steiger, R. 1964). Japanese, 28", double, BV1D. Dark blue-lavender. F<sub>3</sub> Higo-Care strain.
- IMMACULATE GLITTER (Payne, Japanese, R. 1963). Payne 1964.
- IMPERIAL BALLERINA (W. A. Payne, R. 1964). Sdlg. 1066. Japanese, 38", E, double, V1. Pale amparo purple self. (Princess Aurora x Imperial Robe) x Prima Ballerina.
- IMPERIAL IMP (Payne, Japanese, R. 1962). Payne 1964.
- IMPISH VIXEN (El Dorado Gard., BB, R. 1963). El Dorado 1963.
- INDEED (Hager, IB, R. 1963). Melrose 1964.
- INDIAN SPRING (Edward Christensen, R. 1964). Sdlg. 61-E-4-B. TB, 35", M, V1D. Dark magenta self, light at hafts, red-tangerine beard. Fortune's Gift x (Pink Cameo x Inca Chief) x (Alexia sdlg. x Annette).
- INNSBRUCK (Ann and Clarence Blocher, R. 1964). TB, 32", M, B1M. Medium blue self. Galilee x Allegiance.
- INTOXICATION (C. Schirmer, R. 1964). Sdlg. 4W. TB, 36", LM, O1P. Pink self, pink beard. One Desire x (Radiation x Breathless).
- INVERTHORN (Cynthia James, R. 1964). Sdlg. 410-27. TB, 40", M, B1. French blue, whitish-green flush below yellow beard. Cliffs of Dover x Chivalry.
- IRENE'S DREAM (JoAnne Tufts, R. 1964). Sdlg. D21. MDB, 6", VE, V1R. Reddish-purple self, purplish-red spot on F., violet beard. Parentage unknown.
- IRISDALE (Knowlton, R. 1964). Sdlg. 57-3A. TB, 36", M, W2V. S., deep blue-purple; F., white, narrow border blue-purple. Purple and white plicata. Bright Contrast x Bazaar.
- IRISH DREAM (Hinkle, R. 1964). Sdlg. T-23-4. TB, 36", M, Y1P. Light lemon-cream self including beard. Lasata x (Le Beau sdlg. x Yesteryear sdlg.).
- IVORY LACE (Rex Brown, TB, R. 1963). Brown's Iris Gard. 1964.
- IVORY PALACES (Carlson, TB, R. 1962). Cedar Lake 1963.
- IVY GREEN (Hinkle, R. 1964). Sdlg. T-22-1. TB, 32", M, W1G. White self, green influence, white beard tipped cream. Dear Bob x Brave Viking.
- JABOT (Knopf, TB, R. 1963). Knopf, Tell 1964.
- JACK POT (Tim Craig, R. 1964). Sdlg. 2-3. BB, 28", M-L, W4V. S., oyster white; F., deep rich blue-violet. Mary McClellan x Whole Cloth.
- JADE (Abell, Arilbred, R. 1961). Court of Iris 1963.
- JANIE MAAS (Bacon, TB, R. 1963). Pine Shadows 1964.
- JAPANESE WHITE (Kitton, R. 1964). Sibirica hybrid. W1, White self. From two Sibirica sdlgs.
- JASPER GEM (Welch, MDB, R. 1963). Welch 1964.
- JAVA DOVE (Plough, TB, R. 1963). Eden Road 1964.
- JAZZY (Tim Craig, R. 1964). Sdlg. SR-3. TB, 34", ML-Re, V5P. S., pale pastel; F., pale lavender, rich rose-violet wash in center blending to defined veining. Riptide x Striped Butterfly.
- JEFFERSONIAN (C. E. Lebo, Jr., R. 1964). TB, 36", V1D. Black-purple self, white haft markings. Masked Ball x Dark Mood.

- JEFFREY SCOTT BURNS (Harvey Burns, R. 1964). Sdlg. 62-1. TB, 36", M-L, O1Y. Nasturtium-orange self, red beard. ((Saluskin x Fuchsia) x Morning Flush) x orange sdlg.
- JERRY RUBIN (Nes, R. 1964). SDB, 14", EE, V3D. S., purple wine-red; F., darker gold-orange beard. Jerry x *I. pumila*.
- JERSEY FANTASY (Charles Gray, R. 1964). Sdlg. 668-4. TB, 34", E, V1. Orchid self, flaming tangerine beard. (Pink Cameo x Happy Birthday) x Rosedale.
- JERSEY GEM (Charles Gray, R. 1964). Sdlg. 59-4-1. TB, 30", M-L, O1P. Flush-pink self, creamy beard, white hafts fading into F. & S. Betty Jane x June Meredith.
- JET FIRE (Chet Tompkins, R. 1964). TB, 44", M-VL, R2W. S., wine red, interior white; F., white, edged vivid wine-red, bronze beard. (Starkist x Tropicana) x Rimfire. Fleur de Lis 1964.
- JEWEL HAVEN (Reynolds, TB, R. 1963). Twintrees 1964.
- JEWELLED BEAUTY (Payne, Japanese, R. 1961). Payne 1964.
- JEWEL TREE (Fred DeForest, R. 1964). Sdlg. 61-54. TB, 34", M, W4. S., pale opaline changing to white; F., overlay sapphire blue, ruby-red beard. Sdlg. 53-10B x Silver Peak.
- JILBY (Gaulter, R. 1964). Sdlg. 62-31. TB, 36", M, V3. Deep orchid to light purple self, burnt-orange beard. Mademoiselle x Claudia Rene.
- JODDY (Rodley, R. 1964). Sdlg. L14. BB, 18", L, V1. French lavender self, gold veins on F. in half-circle around tangerine beard. Tinkerbelle x blue TB. Nelson South 1964.
- JORETTA (Carlson, Sibirica, R. 1963). Tell 1964.
- JOY BRINGER (Mildred Brizendine, R. 1964). Sdlg. MB-5-62. SDB, 12", E, W1. White self with chartreuse halo. (Snow Flurry x Cook's 1546) x Green Spot.
- JOYFUL GREETING (W. A. Payne, R. 1964). Sdlg. 1065. Japanese, 42", E, single, V3. S., Rood's violet, light edging; F., light under ground, blended halo and veins of spectrum violet. Debonair Prince x (Miss Simplicity x Imperial Robe).
- JOYOUS TROUBADOR (W. A. Payne, R. 1964). Sdlg. 851. Japanese; 42", E, single, W2B. S., white, narrow border of Roslyn blue; F., white, center heavily veined and bordered Roslyn blue. (Sdlg. 87 x Sdlg. 30) x Magic Spark.
- JUGENDLIEBE (Steiger, R. 1964). Japanese, 28", double, W2. White, red-lilac veins, white styles. F<sub>3</sub> Higo-Care strain.
- JULIE MARIE (Les Peterson, R. 1964). Sdlg. 58-7. BB, 15", E-M, Y5. S., pale olive-buff; F., same, darker area at hafts. (Pink Lace x Premier Peach) x (Ruffled Bouquet x (Happy Days x Depute Nomblot)).
- JULY SUNSHINE (G. P. Brown, R. 1964). TB, 30", Re, Y1P. Pale yellow self, few veins, yellow beard. From two sdlgs. of Fall Primrose.
- JUMBO ROSE (Lloyd Austin, R. 1964). Sdlg. 216. TB, 38", M, R1. Bright carmine-rose self, manganese-violet blaze. San Pasqual x Horned Royalty. Rainbow 1964.
- KAREN MADDOCK (Longley, R. 1964). Sdlg. 60-2-1. TB, 36", M-L, O5P. S., pink with buff tinge; F., lighter, white blaze, tangerine beard. Loomis V20 x Mary Randall.
- KATHY'S CHOICE (Hunkins, R. 1964). Sdlg. CR8-7. TB, 34", M, Y5L. S., lemon-yellow to cream; F., peach with pink undertone, deeper edges. Paradise Pink x Watermelon.
- KILOWATT LAKE (Bacon, TB, R. 1963). Pine Shadows 1964.
- KINDLY SKY (Tompkins, Arilbred, R. 1963). Fleur de Lis 1964.
- KING CALCASIEU (Holleyman, R. 1964). Sdlg. 60-39. Louisiana, 30", M, V1D. Deep reddish-purple self, darker edges, yellow-green signal patch. Marquis de Lafayette selfed.
- KINGDOM (Fay, TB, R. 1963). Moldovan 1964.
- KING OF SOHO (Steiger, R. 1964). Japanese, 30", single, RV1D. Dark

- red-violet, white center. F<sub>3</sub> Higo-Care strain.
- KIP (Orpha Salsman, MDB, R. 1961). Raleigh Hills 1964.
- KISSABLE (Neubert, R. 1964). Sdlg. 11-61-A. TB, 34", E-M, Y4W. S., deep yellow; F., white, yellow border, no haft markings. Star Shine × Palomino.
- KONINI GIRL (Lucy Delany, R. 1964). SDB, 10", EM, V1. Rosy orchid-purple small crimson spot, bronzy haft, lavender beard. Tinkerbelle × unknown.
- KOWHAI GOLD (Lucy Delany, R. 1964). IB, 23", EM, Y1. Clear gold self, orange beard. SDB chamaeiris sdlg. × June Sunlight.
- KREUZRITTER (Steiger, R. 1964). Japanese, 28", double, VIP. Pale blue-red self. F<sub>3</sub> Higo-Care strain.
- KRISTINA (M. Suiter, TB, R. 1959). Tell 1964.
- KURIOSUM (Steiger, R. 1964). TB, 32", E, BV1. Blue-violet self. F<sub>2</sub> September Sparkler × July Beauty mutation through X-rays.
- LA BONITA (Schmelzer, R. 1964). Sdlg. 26-3-4. BB, 24", M, W1. Snow-white self. Lime Joy × Dale Dennis.
- LACED CHARM (Mayberry, TB, R. 1963). Tell 1964.
- LACE VALENTINE (Warburton, R. 1964). Sdlg. 80-1. BB, 24", E-M, O1P. Light yellowish-pink self. Golden Flash × Yellow Dresden.
- LACY SURPRISE (Noyd R. 1964). Sdlg. N62-93-3. TB, 33", M-L, V5. S., orchid, green line at midrib; F., gold, overlaid light orchid, tan near lower edge. (Lucky Lady × My Darling) × Pin Up Girl. Noyd 1964.
- LADY BURTON (Corliss, Spuria, R. 1956). Arizona Mission 1964.
- LADY CORDELIA (Buchmann, R. 1964). Sdlg. S-1. Louisiana, 20", LM, O3P. S., pink; F., lighter pink; large, triangular yellow signal. Louise Austin × unknown.
- LADY MARTHA (Buchmann, R. 1964). Sdlg. 502A. Louisiana, 42", M, Y1. Yellow self, green center. Barbara Elaine Taylor × unregistered yellow.
- LADY MARY (Buchmann, R. 1964). Sdlg. 502B. Louisiana, 60", M, Y1. Yellow self, yellow center. Barbara Elaine Taylor × unregistered yellow.
- LAHARA (Sundt, R. 1964). Arilbred, 30", E-M, W4Y. S., white; F., chrome yellow. Imam Ahmid × Imam Salah. Tell 1964.
- LA LINDA (El Dorado Iris Gard., R. 1964). Sdlg. 68-62. TB, 34", M-L, Y3. S., empire yellow; F., sulfur yellow, border empire yellow. Sass sdlg. 53-413 × Butterhorn.
- LALITHA MALLETT (Edinger, R. 1964). Sdlg. 34-59A. TB, 38", M, W2V. S., white, marked blue-violet; F., stark white edged blue-violet. Aldura × New Hope. Tell 1964.
- LATE RETURNS (Horace Wright, R. 1964). Sdlg. 6129. TB, 30", M-Re, B1L. Light-blue self. Lady Moon × Gibson Girl.
- LATE SHOW (Horace Wright, R. 1964). Sdlg. 6301. BB, 22", E-M-Re, B1P. Pale purple-blue self. Mount Washington × Martie Everest.
- LAUGHTER (Helen Stevens, R. 1964). Sdlg. K63-16. SDB, 12", M, Y1L. Yellow self, light blue beard. Knotty Pine × Brassie.
- LAURA'S CHOICE (Eva Smith, TB, R. 1963). Smith's Iris Gard. 1964.
- LAVENDER SPARKLE (Schreiners, R. 1964). Sdlg. S-844-A. TB, 37", EM, W2V. S., pure white, lilac-rose margin, F., white, same lilac-rose edging, pink plicata. (Bright Contrast × Flying Saucer) × (Bright Contrast × Harlequin).
- LAVENDER SWIRLS (Edward Christensen, R. 1964). Sdlg. 1B9-34. TB, 36", M, V3. S., afterglow lavender; F., heliotrope red, white beard deepening to yellow. Violet Victory × Melodrama.
- LAWRENCE EDWARD (C. E. Lebo, R. 1964). TB, 38", M, V3. S., violet; F., deep royal purple. Sable × Indian Hills.
- LEAVE ME SIGHING (Maddock, Japanese, R. 1963). HC 1963. Melrose 1964.
- LEMON PUFF (Dunbar, R. 1964). Sdlg. 61-7. MDB, 7", EM, Y4. S., lemon yellow; F., white, lemon yellow hafts and styles, creamy white beard. Pigmy Gold × Picture Yellow.

- LENNA M (Earl Roberts, R. 1964). Sdlg. 64R13. SDB, 10", E, O1P. S., pink; F., pink, deeper beige spot, white pink border, white beard tipped red. (TB orchid sdlg. x Barium Gold) x Zickler sdlg.: ((Twilight Sky x white pumila) x (Desert Song x white pumila)).
- LEOPARD SPOTS (Hansford, R. 1964). Sdlg. C1-63. Sibirica, 26", L, Y2. S., pale chrome-yellow; F., medium yellow with black spots. F<sub>1</sub> sdlg. x F<sub>2</sub> sdlg.
- LE SABRE (Plough, R. 1964). Sdlg. 60-5-2. IB, 27", EM, G4V. S., uranium green; F., dauphin's violet, grayed blended border, brownish hafts, orange beard, Mixed Emotions x Progenitor.
- LHASA (Plough, R. 1964). Sdlg. 59-6-22. TB, 36", EM-L, W2V. S., white, bordered and sanded lobelia blue; F., white, edged and dotted lobelia blue; styles deeper, light orange beard tipped blue. Azurite x Sdlg. 57-19-22 (sib to Saigon).
- LICHTELFE (van Nes, IB, R. 1962). Warburton 1964.
- LIGHT BRIGADE (Fay, R. 1964). Sdlg. 62-22. TB, 33", E, O5. Bright orange-apricot self, golden glow, reddish-orange beard. Chinese Coral x Prairie Blaze.
- LILAC CHAMPAGNE (Hamblen, R. 1964). Sdlg. H59-66. TB, 38", LM, Y4BV. S., Parium yellow; F., lobelia blue-violet, light yellow beard. Mollie Emms x Whole Cloth. HC 1963.
- LILAC RUFFLES (Nathan Rudolph, R. 1964). Sdlg. 62-88. TB, 32", L, V3. S., lilac; F., lilac, deeper edging, yellow beard. Dancing Bride x sib to Dancing Bride (59-84).
- LILTING LAUGHTER (Vallette, R. 1964). Sdlg. K10-F112. TB, 36", E-M, W1Y. Cool white self, yellow hafts, styles, crest. Docey Do x Nashoba.
- LINDA ANN (C. E. Lebo, R. 1964). TB, 36", EM, B4. S., light blue; F., violet, blue at edges, white hafts, lemon yellow beard. Heroique x Inspiration.
- LITTLE BIT BLUE (Plough, R. 1964). Sdlg. 61-211-14. IB, 22", M-L, B3. S., gentian blue; F., near gentian blue, purple-cast blended spot pattern of campanula violet, light orange beard. Striped Butterfly x Sdlg. 59-159-14 (light blue sib to Saucy Flossie).
- LITTLE CLOUD (Hinkle, R. 1964). Sdlg. S-19-2. BB, 19", M, W1. White self, including beard. Involving Curl'd Cloud sdlgs. x Regina Maria sdlgs.
- LITTLE DARLING (Frank Foster, R. 1964). Sdlg. FF100. TB, 30", EM, W4V. S., snow white; F., magenta purple, white edge. (Cape Cod x Pretender) x purple white amoena sdlg.
- LITTLE DEMON (C. & K. Smith, BB, R. 1962). Smith 1964.
- LITTLE GRACKLE (Rundlett, SDB, R. 1963). Old Brook 1964.
- LITTLE LANE (Plough, SDB, R. 1963). Plough 1964.
- LITTLE LULU (Helen Rogers, R. 1964). Sdlg. 64-7-7. SDB, 13", M-RE, W4. S., white; F., white tinted green, pale-blue bud, yellow beard tipped white. Parentage unknown.
- LITTLE LYNN (Marilyn Sheaff, BB, R. 1961). Sheaff 1964.
- LITTLE PET (Erica Gamlin, R. 1964). MDB, 6", E, W4. S., creamy white; F., lime yellow, creamy beard. Dream Child x Blazon.
- LITTLE SHEBA (Abell, Arilbred, R. 1962). Court of Iris 1963.
- LOMBARD HAVEN (Reynolds, TB, R. 1963). Twintrees 1964.
- LOOK TWICE (El Dorado Iris Gard., R. 1964). Sdlg. D2-63. MDB, 3", V3R. Red-violet bitone, very white fuzzy beard, edges lighter. Balkana x pumila sdlg.
- LORASON (Knopf, Arilbred, R. 1963). Knopf Gard., Tell 1964.
- LOUISIANA SAMBO (Neugebauer, R. 1964). Sdlg. 15. Louisiana, 38", M, Y1F. Brilliant yellow self, 11 blooms per spike. Wheelhorse x Violet Ray. H.C. 1964.
- LOVELY LIGHT (Chet Tompkins, R. 1964). TB. 36", M-VL, O1F. Deep orange self, coral-red beard. Apricot sib to Herald Angel x ((Marie Fischer sib x (Top Flight x Mary Randall))). Fleur de Lis 1964.
- LOYALTY (C. & K. Smith, TB, R. 1957). Smith 1964.

- LUSTIGE WITWE (Steiger, R. 1964). Japanese, 28", double, W2B. White, fine blue design, red-violet styles. F<sub>3</sub> Higo-Care strain.
- LYDIA JANE (Marion Walker, R. 1964). Sdlg. S-124-61. Spuria, 42", M, W4Y. S., white, light yellow midrib; F., medium yellow blend, ruffled white edge. Morningtide × unknown.
- MABEL LUCILLE (Lamoreaux, R. 1964). TB, 34", L, Y4. S., deep cream; F., cream, light-rose flush. Truly Yours × Mary Randall.
- MAD MAID (J. M. Gibson, R. 1964). Sdlg. 21-OPLB. TB, 38", M, W2V. S., mulberry copper; F., mulberry copper on white ground. Sdlg. 8-7PLA × Wild Ginger.
- MAGIC CIRCLE (Schreiners, R. 1964). Sdlg. T-1404. TB, 34", E, W2B. S., white, touch of blue plicating at edges; F., white, small margin of blue plicating. Sib to Rococo × ((Caroline Jane × Belle Meade) × Dotted Swiss).
- MAGIC RUBY (Payne, Japanese, R. 1962). Payne 1964.
- MAGIC SECRET (Sarro, R. 1964). Sdlg. S-64-1. SDB, 13", EM, V3. S., orchid; F., orchid, texture veined in violet, lavender beard. Emma Frances × (Happy Birthday × red-violet pumila).
- MAGMA (Crandall, R. 1964). Arilbred, 36", M, R1D. Dark mahogany-red self, onco form; slight white veins at haft. Red TB sdlg. × Kalifa Hirfa.
- MAGNOLIA TIME (Cora M. Pickard, R. 1964). Sdlg. 59-34. TB, 36", L, W1. Warm white self. ((Cahokia × Meiss 177c) × Cliffs of Dover) × Swan Ballet. HC 1964.
- MAHALO (Ghio, R. 1964). Sdlg. 61-23K. TB, 36", M, B3. S., light blue; F., blue grape, edged light blue. Melodrama × Twilight Sonata. HC 1964.
- MALACCA STRAITS (D. Johnson, TB, R. 1963). Eden Road 1964.
- MAMA MIA (Mahood, SDB, R. 1963). Raleigh Hills 1964.
- MAN OF WAR (Richard W. Morgan, R. 1964). TB, M, W4V. S., white; F., violet. First Violet × Whole Cloth.
- MANYARA SEE (van Nes, R. 1964). SDB, 12", EE, B3. S., Light blue; F., darker, light-blue beard. *I. aphylla* × unknown.
- MARICOPA (Keppel, TB, R. 1963). Keppel 1964.
- MARIE HUNTER (Corliss, Spuria, R. 1958). Arizona Mission 1964.
- MARINKA (Dorothy Dennis, SDB, R. 1963). Raleigh Hills 1964.
- MARIONETTE (Opal Brown, R. 1964). Sdlg. 2-17A10. TB, 32", M, B3. S., wisteria blue; F., campanula violet. Melodrama × ((Chivalry × Esquire) × Altar Light).
- MARJORIE TALLCHIEF (Corliss, Spuria, R. 1957). Arizona Mission 1964.
- MARK I (Marcella Torbett, R. 1964). Sdlg. 1002. TB, 33", M, W1. Cool white, styles tinted violet, violet line at tip of beard. (((New Snow × Mount Washington) × Swan Ballet) × self) × Melodrama sdlg.
- MARMOT (Simonson, R. 1964). Sdlg. 1003. MDB, 5", E, V1. S., lavender; F., lavender, darker at blue beard tipped white. Welch H504: Sulina × Cook 1546 × unknown.
- MAROON CAPER (Warburton, IB, R. 1963). Raleigh Hills, Old Brook 1964.
- MAROON GIANT (Hazzard, R. 1964). Sdlg. 255. Japanese, 30", M, double, R1D. Dark maroon-red, darker veins, bright yellow signal, purple style-arms, petaloids. Caroline G. Childs × Mahogany.
- MARQUESAN SKIES (Ann and Clarence Blocher, R. 1964). Sdlg. 111. TB, 34", M, B1. Deep gentian-blue self. Galilee × Allegiance.
- MARVALON (Schreiners, R. 1964). Sdlg. T-544-A. TB, 49", E, B4V. S., light blue; F., dark, velvety blue-black, dull old gold to bluish bronze beard. N-364-1 (involved dark sdlg. breeding) × R-103-1 (M1052-2: blue sdlg. × Whole Cloth).
- MARY CROOKSTON (Usher, R. 1964). Sdlg. 28-30. BB, 15", M, W1Y. Ivory-white self, yellowish area around beard. Helen McGregory × Maisie Lowe.
- MARY MAG (Granger, Louisiana, R. 1962). Granger 1964.

- MARY'S BOUQUET (Gene Simon, R. 1964). Sdlg. S-129-4. Arilbred, 30", E-M, B1V. Soft, light violet-blue self; texture veining a darker shade. New Snow × Capitola.
- MARY SUNSHINE (Corliss, R. 1964). Sdlg. 64S23. Spuria, 37", E, Y1. Lemon-yellow self, good branching. Wadi Zem Zem × Gold Beacon.
- MASCARA (Clifford Benson, R. 1964). Sdlg. 62-7. TB, 36", M, BN1D. S., deep blue-black; F., deep, sooty blue-black. (((Gulf Stream × (Vatican Purple × Cook 11348)) × Storm Warning) × ((Black Hills × (Black Hills × Vatican Purple)) × Cook 11348)).
- MASTER RICHARD (Bernt, R. 1964). Sdlg. 357. TB, 36", M, Y1. Yellow self, lighter around yellow beard. Amethyst Flame × Glittering Amber.
- MAY CAROL (Vallette, TB, R. 1960). Vallette 1964.
- MAY MELODY (Hamblen, R. 1964). Sdlg. H9-24A. TB, 36", E-L, Y4W. S., yellow, flushed pink; F., white, yellow border, tangerine-persimmon beard. (Yellow sib to Valimar × June's Sister) × Cotlet. HC 1963.
- MAYOBER (Rundlett, TB, R. 1959). Old Brook 1964.
- MAY ORCHID (Opal Brown, TB, R. 1963). Sunnyhill 1964.
- MAY TROLL (Goett, R. 1964). Sdlg. 7D2. SDB, 10", V4Y. S., lavender; F., buff, light beard. Sdlg. × Knotty Pine.
- MEADOWLARK HILLS (O. T. Baker, R. 1964). Sdlg. 58-18. TB, 30", EM-L, B3. S., sea blue; F., deep blue. Wayward Wind × Cook 42-51.
- MEADOW MIST (Ghio, TB, R. 1962). Ghio 1964.
- MEADOW SNOW (H. Fischer, TB, R. 1963). Tell 1964.
- MEDA GRACE (McClanahan, R. 1964). Sdlg. 63-56. TB, 36", M, O1. Cadmium orange, red beard. Sdlg. 58-7 × Orange Frills.
- MEDANO (Steiger, R. 1964). Japanese, 28", double, BV1. Blue-lavender self. F<sub>3</sub> Higo-Care strain.
- MEIN FRAU (Charles Morgan, R. 1964). Sdlg. 51-5. TB, 43", M, V1M. Medium-violet self, white beard, tipped blue. Snow Flurry × Spanish Peaks.
- MERRY HEART (Fred DeForest, R. 1964). Sdlg. 61-92. TB, 36", M, W1. White self, tangerine beard. Mary Hall × Dawn Star.
- MERRY RIPPLE (Schreiners, R. 1964). Sdlg. R-221-B. TB, 40", E, W2B. White ground, azure-blue plicata. Rococo × Caroline Jane. Schreiner 1964.
- MESABI (Bakke-Messer, TB, R. 1963). Foss Iris Gard. 1964.
- MEXICAN DANCER (Eva Smith, SDB, R. 1963). Smith's Iris Gard. 1964.
- MIDNIGHT MUSIC (Doris Foster, R. 1964). Sdlg. 62-8-1. TB, 40", M, B1D. Navy blue self, black haft, navy beard. Black Hills × Mary McClellan.
- MIDNIGHT VIOLET (Swearengen, R. 1964). Sdlg. S-66. Japanese, 40", M-L, double, V1D. Dark-violet self, distinct purple veins, yellow signals, branched. Frances Horton × (Lilac Pageant × Lilac Fairy).
- MIDWEST IDYLL (W. A. Payne, R. 1964). Sdlg. 1153. Japanese, 42", M, single, V2. S., prune-purple edged white; F., milk white, lightly veined prune purple. No halo. The Great Mogul × Debonair Prince.
- MIDWEST MAGIC (Gaskill, R. 1964). Sdlg. 62-17. TB, 38", EM, W1. Pure white self, red beard. D. Hall 56-10: (Silverstone × Frost and Flame) × D. Hall 58-20: sib to Brilliant Star. HC 1964.
- MIDWEST MORNING (Gaskill, R. 1964). Sdlg. 62-23. TB, 36", M-L. R1P. Light-pink self, red beard tipped white. From two D. Hall line-bred pink sdlg. HC 1964.
- MIDWEST SPLENDOR (Payne, Japanese, R. 1962). Payne 1964.
- MIGHTY MO (Roderick, R. 1964). Sdlg. 60-1. TB, 30", ML, V1. Aster-violet self. Snow Goddess × Big Game.
- MIGHTY WHITE (Swearengen, Japanese, R. 1963). Swearengen 1964.
- MILESTONE (Plough, R. 1964). Sdlg. 60-89-14. TB, 35", EM-L, Y4V. S., rich butterscotch-gold; F., dahlia purple, electric-blue blaze below In-

- dian-yellow beard, styles gold with lavender midrib. Rainbow Gold × Whole Cloth.
- MILISSKA (Richard W. Morgan, TB, R. 1962). Morgan 1964.
- MOMAUQUIN (R. Stephenson, TB, R. 1960). Old Brook 1964.
- MING DYNASTY (Fay, R. 1964). Sdlg. 62-1. TB, 36", EM, Y1F. Golden-yellow self, gold beard, no markings. Fay 60-14 (pollen parent of Kingdom) × Elleray.
- MINN APRICOT (Hartkopf, TB, R. 1963). Foss Iris Gard. 1964.
- MINSTREL GIRL (Carstensen, TB, R. 1963). Nick's Gard. 1964.
- MINUET IN BLUE (Hazzard, R. 1964). Sdlg. 238. Japanese, 28", M, double, B3L. Medium-blue violet, dark veins, yellow signal; erect dark-blue style-arms. Caroline G. Childs × Sky and Water.
- MINUTE WALTZ (Moldovan, R. 1964). Sdlg. 64-8. TB, 33", M, W1R. S., white, deep pink spot at base of rib; F., white, pink hafts, pink beard. Esther Fay × One Desire.
- MISS PEACH (Tim Craig, TB, R. 1963). Craig 1964.
- MISS RUFFLES (May B. Wright, R. 1964). Sdlg. 62-36. BB, 19", M-VVL, B3. S., gentian blue; F., cream overlaid gentian, blue beard tipped orange, self styles. Lula Marguerite × Chivalry.
- MITSOU (Ziepke, R. 1964). Sibirica, 34", E, V1L. Light lavender-pink self. *I. sibirica alba* × Towanda Red-flare.
- MOCKINGBIRD LANE (O. T. Baker, R. 1964). Sdlg. 61-34. TB, 32", EM-L, Y5V. S., chartreuse, lavender infusion; F., medium lavender blending to chartreuse at edges. (Wayward Wind × Sable Night) × Lulu Marguerite.
- MODERN TREND (Jeannette Nelson, TB, R. 1963). Eden Road 1964.
- MOON BLAZE (Adelaide Peterson, SDB, R. 1963). Peterson 1964.
- MOONBRIGHT (Keppel, R. 1964). Sdlg. 60-23A. SDB, 13", E, Y3. S., light yellow; F., rich yellow, light-yellow border, blue-white beard. Cloud Fluff × Garnet Treasure.
- MOON RANGER (Lloyd Austin, R. 1964). Sdlg. 23. TB, 36", E, Y1. Clear yellow, chocolate veining at haft, upturned bearded horns, spoon-like endings. Happy Birthday × Horned Rosyred.
- MOON SPINNER (Molly Price, SDB, R. 1963). Old Brook Gard., Cassebeer 1964.
- MOONSPOT (Doris Foster, R. 1964). Sdlg. 64-19-2. Arilbred, 28", E, W4Y. S., white; F., clear yellow, large dark-maroon signal, gold styles and beard. Kalifa Baltis × (Imam Salah × Imaret).
- MORGENTAU (Steiger, R. 1964). Japanese, 36", single, BV1L. Light blue-lavender. F<sub>3</sub> Higo-Care strain.
- MO ROON (Carleton MacLean, R. 1964). Sdlg. M59-12. TB, 36", M, V1D. Deep blue-purple self. Pirate King × Top Hat.
- MOUNTAIN HIGH (Moldovan, R. 1964). Sdlg. 64-21. TB, 38", EM, V1. Lavender self, laced, yellow beard. Rippling Waters × Sterling Silver.
- MOUNT EDEN (Ghio, R. 1964). 60-135J. TB, 36", E-M, W4B. S., white, blue tint; F., medium amethyst-blue, pale-yellow beard. (Frosted Starlight × Rehobeth) × Whole Cloth.
- MOUNT HOPE (Yunker, TB, R. 1961). Yunker 1964.
- MOUNT REPOSE (E. & A. Watkins, TB, R. 1960). Fairmount 1964.
- MR. CONSERVATIVE (Voris, R. 1964). Sdlg. VI64-9. TB, 36", M-L, V1. Violet self, wavy edges. First Violet × Whirlaway.
- MULBERRY LANE (Eva Smith, TB, R. 1963). Smith's Iris Gard. 1964.
- MULBERRY NOCTURNE (Vallette, R. 1964). Sdlg. J2-F70. TB, 36", M, V5. Odd smoky-mulberry self, coppery beside the yellow beard. Anna Adams × Nelson Brown sdlg.: (Distance × (Aline × yellow 40-chromosome *reichenbachii*)).
- MULBERRY PIE (Swearengen, R. 1964). Sdlg. S-43. Japanese, 40", L, double, V2. Pale-lavender ground penciled mulberry purple, purple



- styles terminate in delicate petaloids, yellow signals. Frances Horton × (Lilac Pageant × Lilac Fairy).
- MUSTARD CREAM (Plough, R. 1964). Sdlg. 60-52-25. BB, 25", EM-L, Y3. S., straw yellow; F., centered mustard yellow; ½" border blended cream rim of sippy straw yellow; white beard tipped yellow. Green Quest × Sdlg. 53-96-2 (involving Butterfly Wings, Pink Lace, Gold Ruffles, and sib to Riviera).
- MY HEAVENLY DREAM (Worley, R. 1964). Japanese, 36", RV1. Rose red veined deeper, pink edges blending to fuchsia rose, yellow signals. From a Marhigo seed.
- NAMANGA (van Nes, R. 1964). SDB, 14", EE, V1D. Dark-purple self, violet beard. Matterhorn × *I. pumila*.
- NANCY HUSTLER (Hustler, R. 1964). Sdlg. 24-10. BB, 20", M, O1P. S., coral pink; F., paler, deeper coral edges, tangerine beard. Palomino × Courtier.
- NAN WOLF (Corliss, Spuria, R. 1960). Arizona Mission 1964.
- NATCHEZ TRACE (Jesse Wills, R. 1964). Sdlg. 80-62. TB, 35", M-L, R3. S., red; F., brown red, light edge. Orenda × ((Orelia × Heart's Desire) × (red sdlg. × Carnton)).
- NATIVE DAUGHTER (Noyd, R. 1964). Sdlg. N59-16-25. BB, E-L, O1P. Medium-pink self, coral beard. Golden Flash × Garden Gold. Noyd 1964.
- NATIVE PRINCESS (Stambach, R. 1964). Sdlg. 2-26-8. Pacific Coast hybrid, 7", L, Y2R. S., sandy-buff veins of burgundy; F., deep burgundy at hafts, lighter toward buff edges. Claremont Indian × Amiguita.
- NAVY FLIRT (Tutmark, R. 1964). Sdlg. 22-2. MDB, 5", EE, V1B. Deep violet-blue self, deeper falls, white beard. Balkana × A. Brown sdlg.: (April Morn × unknown).
- NEBRASKA CENTENNIAL (Wolff-Hildenbrandt, R. 1964). Sdlg. 62-161-5. BB, 23", M, YO5. Antique-bronze self, bronze beard. Yellow Dresden × Edenite.
- NEOPHYTE (Hager, Spuria, R. 1963). Melrose 1964.
- NEW DAY (DeForest, TB, R. 1963). Irisnoll 1964.
- NICOLE CAROLINE (Errey Bros., R. 1964). Sdlg. X-100. TB, 36", M, O1P. Soft salmon-pink self, ruffled and laced. Cloudcap × Happy Birthday. Errey Bros. 1964.
- NIGHT BLIZZARD (Payne, Japanese, R. 1963). Payne 1964.
- NIGHT MUSIC (Cora M. Pickard, R. 1964). Sdlg. 58-23. TB, 36", M, V1B. Dark blue-grape self. (Sable × Black Hills) × ((Night Spot × Pierre Menard) × (Night Spot × Dusky Night)). HC 1964.
- NIGHT SONG (Luihn, R. 1964). Sdlg. 61-22. TB, 38", M-L, V1D. Dark violet-black self, self beard. Dark Fury × Black Taffeta.
- NIGHT TRAIN (Varner, R. 1964). Sdlg. 320. BB, 27", EM, V1N. S., deep purple-black; F., black. Storm Warning × Dark Stranger.
- NIGHT WINGS (Framke, R. 1964). TB, 39", M-VL, V1D. Blackish-violet self, dark-bronze beard. Black Hills × Tompkins 59-78: (Brigadoon × Mountain Music). Fleur de Lis 1964.
- NINA BURNS (Harvey Burns, R. 1964). Sdlg. 63-26. TB, 38", M-L, Y1. Empire-yellow self. (Chamois × Whirlaway) × Casa Morena.
- NINA'S DELIGHT (Ghio, TB, R. 1962). Ghio 1964.
- NINETEEN-FOURTEEN (Voris, TB, R. 1962). Voris 1964.
- NINETY-NINE (Swearengen, R. 1964). Sdlg. S-49. Japanese, 33", L, 9 petals, W2V. Hyacinth violet on white, heavier edges; fine violet veining, peppered violet overlay on white near yellow signals. Frances Horton × Imperial Robe.
- NIPMUC (Tufts, R. 1964). Sdlg. A49-2. SDB, 12", E, V1. Medium-violet self, reddish-violet spot on F.; violet beard tipped gold. Great Lakes × (April Morn × Carpathia sdlg.).
- NIPPON Miss (Payne, Japanese, R. 1962). Payne 1964.
- NITTANY (Maxwell Hunter, TB, R. 1963). Palette Gard. 1964.
- NOMO (Nave, R. 1964). Arilbred, 36", E-M, W1B. Blue-white self. Snow Flurry × *I. nigricans*. Tell 1964.

- NORMA AVERETT (Muhlestein, R. 1964). Sdlg. 92. BB, 28", M-L, O5P. S., peach pink; F., same lighter in center, pinkish-tan border. Native Dancer × June's Sister. HC 1963. Tell 1964.
- NORTHERN AIRE (R. Goodrick, R. 1964). Sdlg. 60-3. TB, 33", M, B1L. Light-blue self, yellow beard tipped blue. ((New Snow × Party Dress) × Fay sdlg.) × Blue Sapphire.
- NUEZ (Tom Craig, TB, R. 1963). Craig 1964.
- NUMAZU (Hazzard, R. 1964). Sdlg. 113. Japanese, 30", EM, single, W1. White self, medium-yellow signal, short yellow rays. Caroline G. Childs × Gold Bound.
- NYLON LACE (Schmelzer, TB, R. 1957). Changed to Sdlg. 33-C-2.
- NYLON LACE (Schmelzer, R. 1964). Sdlg. 33-C-2. TB, 38", E-L, W1. Snow-white self. Piety × Whir of Lace.
- OAK BROOK (Ann and Clarence Blocher, R. 1964). Sdlg. 84. TB, 30", L, B1V. Lavender-blue self, white blush on F. (Arctic Flame sib × Bluebird Blue) × sib) × Arctic Flame sib × Bluebird Blue.
- OLIVE LANGDON (Bledsoe, R. 1964). Sdlg. 63-61. TB, 36", M, O5. Buff-peach-pink self, lighter area in F. (First Curtain × Mary Randall) × Lynn Hall.
- OLYMPIC JEWEL (Fran Smith, R. 1964). Sdlg. 3-WPB-2. TB, 38", M-ML, W4V, S., white; F., amethyst violet. (Picture Bouquet × (Cahokia × Dolly Varden)) × Whole Cloth.
- ONEIDA CHIEF (M. Brownell, TB, R. 1961). Sunnyhill 1964.
- OPAL MELODY (Spinkston, R. 1964). TB, W1Y. Large white, deep golden center, near-tangerine beard. ((Courtier × Radiation) × Melody Lane) × Opal Brown sdlg.
- OPRETTEN STAR (Steiger, R. 1964). Japanese, 36", double, W2. White, red-violet veins, white edge, red styles. F<sub>3</sub> Higo-Care strain.
- ORANGE CAPER (Warburton, SDB, R. 1963). Plough 1964.
- ORANGE CHARIOT (Fay, TB, R. 1962). Moldovan 1964.
- ORANGE FLOUNCE (Lloyd Austin, TB, R. 1963). Rainbow 1964.
- ORANGE MAJESTY (Fay, R. 1964). Sdlg. 64-12. TB, 34", L, O1F. Orange self, large coral-red beard. From two sibs to Orange Chariot and Radiant Light.
- ORCHID ELF (Alta Brown, MDB, R. 1963). Brown's Iris Gard. 1964.
- ORGAN MUSIC (Noyd, R. 1964). Sdlg. N59-102-1. TB, 40", M-L, Y3. S., yellow, light-green veins; F., deep yellow serrated veined green, fall reverse green. Lucky Lady × My Darling. Noyd 1964.
- ORIENTAL BABY (Guenther, IB, R. 1963). Rio Vista Gard. 1964.
- ORIENTAL HARMONY (Swearengen, R. 1964). Sdlg. 34. Japanese, 34", M, double, V3. Light-violet halo around signals, deepening to royal purple, white styles tipped royal purple, short white veins. Frances Horton × Imperial Robe.
- ORIENTAL ORGANDY (Hazzard, R. 1964). Sdlg. 124. Japanese, 36", LM, single, B5. Blue and white and violet, dark-violet veins, yellow signal, white edges, violet styles. Caroline G. Childs × unknown.
- ORIENTAL SNOW (Wolff-Hildenbrandt, R. 1964). Sdlg. 62-135-11. BB, 25", L, W1. Warm-white self, bearded and flat form. Swan Princess × Perfect Love.
- ORO FINO (Tim Craig, TB, R. 1963). Craig 1964.
- OUR FLAG (Ensminger, R. 1964). Sdlg. 61-31. TB, 38", VVL, V1D. Aconite-violet self. Vatican Purple × (Pierre Menard × Sable Night).
- OVERSEAS HAVEN (Reynolds, TB, R. 1963). Twintrees 1964.
- PAINTED DOLL (D. J. Boen, TB, R. 1957). Tell, Vallette 1964.
- PAINTED ROSE (Earl Roberts, R. 1964). Sdlg. 61-R45. MTB, 22", L, Y4. S., golden yellow; F., yellow overlaid rosy-pink, edged yellow, yellow beard. Kaleidoscope × Wild Canary.

- PAINTED WINGS (Goodman, TB, R. 1962). Goodman 1964.
- PALISADES (Plough, TB, R. 1963). Eden Road 1964.
- PAMELA ANN (Goett, R. 1964). Sdlg. 7E1. SDB, 11", E, Y3. S., very light yellow; F., medium to dark yellow, wide haft. Golden Fair × Lilli-Bright. HC 1964.
- PAMELA KAY HILDENBRANDT (Wolff-Hildenbrandt, R. 1964). Sdlg. 62-11-7. BB, 23", M, V1. Pale sea-lavender-violet self, white to cream beard. Because × Yellow Dresden.
- PAPAGO TEX (Ralph Johnson, R. 1964). Sdlg. J-59-1. TB, 32", M, W2V. S., fancy blend of violet and white; F., violet ground, clear white markings, fancy. Victorian Veil × White Peacock.
- PARADEPFERD (von Martin, R. 1964). TB, 44", E-M, Y3. S., light yellow; F., light yellow and white, yellow beard. Snow Flurry × (Zantha × Pink Formal).
- PARADOX (C. & K. Smith, TB, R. 1960). Smith 1964.
- PARIS FASHION (Moldovan, R. 1964). Sdlg. 64-12. TB, 34", E, O1P. Deep-pink self, jagged green-white area on F., pink beard. Esther Fay × One Desire.
- PARISIAN BLUE (Schreiners, R. 1964). Sdlg. T-799-H. TB, 39", M-L, B1L. Rich light-blue self, very broad flower. Sylvan Stream × Melissa.
- PARISIAN PINK (Framke, R. 1964). TB, 38", M-L, O3. S., oriental pink; F., rosebloom pink overlaid dusty watermelon-pink, pink beard. ((Ivory Petals × Char-Maize) × Tell's pink 51-11C) × Clarion Call. Fleur de Lis 1964.
- PASTEL CHARM (B. Dunbar, R. 1964). Sdlg. 61-2B. SDB, 13", EM, W4. S., blue white; F., pastel red-plum blend, chartreuse hafts and border, pale orchid styles, white beard. (Lilliput × Pigmy Gold) × Welch K-521.
- PEACE PATROL (Gerhard Carlson, TB, R. 1963). Eden Road 1964.
- PEACE TOKEN (Meitzler, TB, R. 1959). Meitzler 1964.
- PEARL QUEEN (Vallette, TB, R. 1959). Vallette 1964.
- PEASANT'S PRIDE (Neugebauer, R. 1964). Sdlg. 14. Louisiana, 36", M, Y1. Greenish-yellow self. Violet Ray × Wheelhorse.
- PEEBLES (James Tucker, R. 1964). Sdlg. 955B. BB, 26", M-L, B3. S., light blue, flushed deeper blue; F., white, heavily pebbled blue. South Pacific × Wide World. Southern Meadows 1964.
- PEEK A BOO (Opal Brown, R. 1964). Sdlg. 4-4A16. TB, 30", E-M, W1V. S., white, violet style-arms and crest; F., white, creamy-yellow beard. Tea Apron × (Cedarcrest sib × Memphis Lass).
- PEG WINTER (Corliss, R. 1964). Sdlg. 64S17. Spuria, 36", M, V1. Victoria-violet self, large brown spot on F. Parentage lost.
- PELLA (Richard W. Morgan, TB, R. 1962). Morgan 1964.
- PENN (McCaffrey, R. 1964). Sdlg. 18. TB, 34", M, Y1F. Laced gold self, bright yellow beard. Damascas × Rocket.
- PENSIVE MOOD (Fraser, TB, R. 1963). Fraser 1964.
- PEPITA (Schreiners, R. 1964). Sdlg. T-1797-A. SDB, 14", E, B3D. Deep blue-flax self, intense blue blaze on F.; light blue-white beard. Fair Flax × Tinkerbell.
- PERKY MISS (Fran Smith, R. 1964). Sdlg. LB9. TB, 30", M, B1P. Pale-blue self. New Snow × (Snow Flurry × Hoogsan).
- PERSIAN GOLD (David Lyon, R. 1964). Sdlg. 58-7-5. TB, 34", M, Y1F. Deep golden-yellow self, deeper beard. Gold Cargo × Gold Cup.
- PERSIAN MARKET (Doris Foster, R. 1964). Sdlg. 63-1-1. Arilbred, 33", E, V4R. S., lavender, veined violet; F., rose, small black signal, rose and gold styles, bronze beard. From sdlgs. involving Kalifa Gunare and Imam Ahmid. HC 1963.
- PERSUASIVE DAWN (Dora Wall, TB, R. 1963). El Dorado Gard. 1964.

- PETITE SIREN (Dorothy Palmer, R. 1964). Sdlg. 5760A. BB, 20", LM, VII. Light-violet self, pinkish beard, wide hafts, laced. ((Gold Ruffles x Cherie) x Branch 52-12) x Riviera.
- PFINGSTFEST (Hanselmayer, R. 1964). TB, 36", M, O5L. Light-apricot self, orange-red beard. Pink Sensation x Paradise Pink.
- PHANTOM CANYON (Ellyson, R. 1964). Sdlg. XIII-51-42. TB, 29", M, B5. Bluish-grey self, pale-lemon beard. Amandine x (Stardom x Bliss-Sentinel).
- PHARAOH (Corliss, Spuria, F. 1955). Arizona Mission 1964.
- PICKWICK GREEN (Jolly, TB, R. 1963). Jolly 1964.
- PINK PONG (Plough, R. 1964). Sdlg. 60-57-17. IB, 26", EM, V3. S., pastel lavender, blended greenish veining; F., dauphin's violet, inconspicuous beard tipped orange. Kiss Me Kate x Pastel Gem.
- PINKETTE (Vallette, BB, R. 1958). Vallette 1964.
- PINK LILACS (Vallette, R. 1964). Sdlg. K-11-F84. TB, 36", EM, V5. Rosy-lilac self, blue-white beard tipped lemon. Mission Rose x Pretty Carol.
- PINK POPCORN (Kohler, R. 1964). Sdlg. 60-8A. TB, 34", M, O1P. Medium-pink self, light-tangerine beard. ((Cloudcap x Chantilly) x June Bride) x Happy Birthday.
- PINK PRIDE (Alta Brown, IB, R. 1963). Brown's Iris Gard. 1964.
- PINK TASSEL (Lloyd Austin, R. 1964). Sdlg. 218. TB, 40", M, R3. S., light rose pink; F., deep rose, frilled rose-pink bearded spoons. Sierra Sunset x (Pink Formal x Unicorn).
- PINK TIGER (El Dorado Gard., R. 1964). Sdlg. 88-61B. TB, 33", M-L, V5P. S., dusky pink; F., dusky pink veined dark rose, heavy red beard. From Sass sdlgs. involving Step Up, Black Forest, and sdlgs.
- PINOCCHIO (Reath, R. 1964). Sdlg. A-22-64. SDB, 12", E, Y1. Lime-yellow self, yellow-brown haft marks. Baria x Nylon Ruffles.
- PIONA (J. D. Taylor, R. 1964). Sdlg. D-45-3. IB, 19", EM, V1D. Deep-violet self, gold beard. Alfred Edwin x ((Clean Sailing x Sulina) x sib). Wisley Trials 1964.
- PIRATE TREASURE (James Marsh, R. 1964). Sdlg. 61-52. TB, 32", VL, Y1F. Buttercup-yellow self, tangerine beard, no haft markings. Sdlg. 58-9: sib to Prairie Blaze x Tarn Hows.
- PIROUETTE (Cassebeer, Sibirica, R. 1963). Cassebeer 1964.
- PLATINUM GOLD (Earl Roberts, R. 1964). SDB, 11", E, Y4W. S., deep lemon-yellow, white reverse; F., white, deep-lemon spot at white beard, lemon edge and reverse. (Orchid TB sdlg. x Barium Gold) x Zickler's: ((Twilight Sky x white pumila) x (Desert Song x white pumila)).
- PLEASANT JOURNEY (Mrs. R. A. Rich, R. 1964). Sdlg. K59-1B. Japanese, 36", E-M, single, V2, S., violet purple; F., deep violet, subdued white veins radiate from yellow signals. Marhigo sdlg. x Maddock's sdlg.
- PLUM PUDDING (Goodrick, R. 1964). Sdlg. 58-27. BB, 27", M-L, O5V. S., blended dark-brown and purple-plum; F., darker, dark-brown border, red-purple blaze below brassy beard. (Sunray x Susitna Sunset) x Dark Chocolate.
- POMO CHIEF (M. Knopf, R. 1964). Sdlg. 61-1-E, Arilbred, 36", M, Y5. S., greenish cream; F., greenish tan, purple veins, brown beard. New Hope x Jallah Effendi.
- PORT ROYAL (Gaulter, R. 1964). Sdlg. 63-75. TB, 38", E-M, W2B. White ground, royal-blue stitched edges. Latest Love x Rococo.
- PRAIRIE BLAZE (J. Marsh, TB, R. 1960). Moldovan 1964.
- PRAIRIE CLOVER (Schreiners, R. 1964). TB, 38", L. R5L. Rich clover-rose self, copper hafts, coppery cast on edge of petals. Amethyst Flame x Opal Beauty.
- PRECIOUS CHILD (George Rees, R. 1964). MTB, 28", M, W2. White plicata, ruffled heliotrope border. Madam Chereau x small purple-edged plicata.
- PRECIOUS FAN (Mary Housley, R. 1964). Sdlg. VU-168. TB, 32", M-ML, V5. S., seashell pink; F., orchid pink,

- tangerine beard. June's Sister × Loomis sdlg.: (pink sdlg. × New Horizons).
- PRETTY DELPHINE (Nicholas Moore, R. 1964). Sdlg. 100. TB, 36", M, O5D. S., red-brown; F., red-brown blend, blue and white below beard. Antique × (Cordovan × (Helios × Juliet)).
- PRETTY PHYLLIS (Mary Housley, R. 1964). Sdlg. Q-153-F. IB, 15", E-EM, V1. Red-purple self. Little Rosy Wings × unknown.
- PRETTY POISE (Shoop, R. 1964). Sdlg. B60-15-1. TB, 36", M, O1P. Bright pink self, pink beard. One Desire × B57-6 series. HC 1964.
- PRIDE OF SUMMER (Lloyd Austin, R. 1964). Sdlg. 17. TB, 32", E-Re, V1. Wine-rose self, whitish hafts lined in brown. Savage × Autumn Delight. Rainbow 1964.
- PRIMA BALLERINA (Payne, Japanese, R. 1957). Payne 1964.
- PRIMROSE BUTTERFLY (Corliss, Spuria, R. 1958). Arizona Mission 1964.
- PRIMROSE CORSAGE (Corliss, R. 1964). Sdlg. 59S38A1. Spuria, 48", M, Y1F. Chrome-yellow self. Russet Flame × Wadi Zem Zem.
- PRINCE INDIGO (Schreiners, R. 1964). Sdlg. R-631-1. TB, 38", L, V1D. Pansy-violet self, violet-cast beard. First Violet × King's Choice. Schreiner 1964.
- PROPER LEMON (Warburton, IB, R. 1963). Raleigh Hills, Old Brook 1964.
- PUEBLO (Tim Craig, R. 1964). Sdlg. TR-25. BB, 22", M-L, R5O. S., light brown-red; F., copper brown edged with wild cherry center. From two sdlgs.
- PUGET POLKA (Mize-Ruggles, R. 1964). Sibirica, 24", M, B2W. S., light blue, dotted dark blue; F., ivory, dotted light blue, light-blue style-arms, light-yellow signal. Parentage unknown.
- PURELY ORNAMENTAL (Maddocks, R. 1964). Sdlg. M1581. Japanese, 36", M-L, double, V1. Silvery lavender, veined violet to edges; tips splashed rose purple. From two sdlgs.
- PURPLE MAGNOLIA (C. James, R. 1964). Sdlg. 305-4. TB, 36", L, V1. Magnolia-purple self, tan beard. Party Dress × Pink Formal.
- QUAINT ELF (Gene Simon, R. 1964). Sdlg. S-617-1. BB, 19", L, B1F. Deep-blue self, bright-blue beard. Black Forest × (Blue Shimmer × Cahokia).
- QUEEN'S FAVOR (Palmer, TB, R. 1963). Palmer 1964.
- QUIET SKY (Paul Cook, TB, R. 1957). Transferred to Sdlg. 10259.
- QUIET SKY (Paul Cook, R. 1964). Sdlg. 10259. TB, 36", M, W1V. S., pure white; F., white, precise dark-blue edge around entire fall. Sib to Prettyfield × Emma Cook. Cook 1964.
- RADEGUND (van Nes, R. 1964). MDB, 3", EE, B1. Azure-blue self, light-blue beard. April Morn × *I. pumila*.
- RADIANT APOGEE (J. M. Gibson, R. 1964). Sdlg. 50-OPN. TB, 38", M, W2Y. S., orange yellow; F., white ground, light orange-yellow markings. Henna Stitches × Wild Ginger.
- RAGE (Frances Craig, R. 1964). Sdlg. Fr64-1. BB, 25", EM-Re, R4. S., maroon red; F., Brazil-brown blazed violet. Cobre × ((Savage × Molten) × Port).
- RAGNITZ (van Nes, R. 1964). MDB, 3", EE, B1L. Light-blue self, white beard. *I. pumila* hybrid 503 × self.
- RAINBOW VALLEY (Plough, R. 1964). Sdlg. 59-254-86. TB, 36", EM-L, Y5V. S., warm buff, pink glow; F., light-orchid paling lighter, 1/4" border same color as S.; yellow-organge beard. (Butterscotch Kiss × Queen's Lace) × sib to Rainbow Gold.
- RAINY DAY (Tim Craig, R. 1964). Sdlg. 2-2BL. BB, 25", E-M-L. B1V. Clear violet-blue self. Steeplechase × Whole Cloth.
- RANGI (R. Harrison, R. 1964). Sdlg. 112C. TB, 40", M, YO5. Light-brown self, reddish tinge. Sdlg. 18J: (Radiant × Bryce Canyon) × Cordovan.
- RASPBERRY RAPTURE (J. M. Gibson, R. 1964). Sdlg. 43-2C. TB, 32", M, V1L. Orchid-pink self, tangerine

- beard. Fantasy × Pink Formal. Cooley 1964.
- RAUCHTOPAS (Steiger, R. 1964). Japanese, 38", single, V5D. Dark smoky-lilac self. F<sub>3</sub> Higo-Care strain.
- RAX (van Nes, R. 1964). MDB, 7", EE, W4G. S., white; F., greenish, white beard. Die Braut × *I. pumila* hybrid 503.
- RAYMOND BURNS (Harvey Burns, R. 1964). Sdlg. 61-44. TB, 38", M, B1. Cornflower-blue self. Spanish Peaks × (Black Forest × Storm King).
- RAYS OF BLUE (Marion Rodley, R. 1964). Sdlg. L13. IB, 17", E, B3. S., pale blue; F., pale blue, deeper blue halo, blue venations, orange beard tipped blue. Tinkerbelle × blue TB. Nelson South 1964.
- RED ADMIRAL (Tim Craig, R. 1964). Sdlg. 2-5R. BB, 16", M-L, R1. Rich rose self; cherry red delicate cool blaze. Ruth Couffer × Cordial.
- REDGAUNTLET (Jesse Wills, R. 1964). Sdlg. 79-62. TB, 37", M-L, R1. Dark-red self. ((Orelia × Heart's Desire) × Chickamauga) × (((Prairie Sunset × Lancaster) × Bryce Canyon) × Rose Garland))) × (Rose Garland × (Devoir × Well Content)).
- RED HOT (Tim Craig, R. 1964). Sdlg. TR19. BB, 23", EM, R5. Self between Arabian and garnet red. From two sdlgs.
- RED STEP (Muhlestein, R. 1964). Sdlg. 61-4. Spuria, 30", M, OY5. Reddish brown, S. showing more rosy-red than falls. Montagle × Bronze Butterfly. Tell 1964.
- RED STOPPER (Kuesel, R. 1964). Sdlg. R-62-21. TB, 38", LM, R1D. Red self, yellow beard, inconspicuous haft markings. Quechee × Great Day.
- REGAL VELVET (Tom Craig, R. 1964). Sdlg. 64-3. TB, 34", E-L-RE, V3. S., French lilac to cyclamen; F., plum to cyclamen. (Richness × (Desert Rose × Savage)) × (Adam × (Port × (Savage × Molten))).
- REGINA COELI (Leo Dick, R. 1964). Sdlg. LAD-B-OII-1960. TB, 36", EM, B1D. Dark-blue self. Starlift × Rehobeth.
- REGINA ROSYL (Leo Dick, R. 1964). Sdlg. LAD-B-OI-1960. TB, 38", EM, R5. Appleblossom-pink self, pink beard and styles. Cathedral Bells × June Meredith.
- REIGNING BEAUTY (Payne, Japanese, R. 1959). Payne 1964.
- RENAISSANCE (Cassebeer, R. 1964). Sdlg. 736. TB, 33", Re, YO5. Golden-tan blend with brown-bronzy overlay, self, blended beard. (Copper Gold × Argus Pheasant) × Darien.
- REPLICATA (Raymond Smith, R. 1964). Sdlg. BS154AR. TB, 32", Re, Y2. Brilliant yellow-ground plicata, yellow beard. Gibson Girl × August Gold.
- RESTLESS WIND (O. T. Baker, R. 1964). Sdlg. 58-28B. TB, 30", EM-L, B3. S., grey; F., deep blue, brown beard. Wayward Wind × Sable Night.
- RETA FRY (Collie Terrell, R. 1964). Sdlg. T60-79-6. TB, M, Y1. Large yellow self, 3 buds at each placement. From involved line of Sass sdlgs.
- RICH ACRES (Greenlee, R. 1964). MDB, 4", EE, VID. Dark red-purple self, self beard. (Carpathia × self) × Austrian-rose *pumila*.
- RICHARD W. BURNS (Harvey Burns, R. 1964). Sdlg. 64-22. TB, 36", M-L, V5. Purple self washed chartreuse. ((Snow Flurry × Chivalry) × Ice Cavern) × (Breath of Spring × Frost and Flame).
- RICHMOND GOLD (Robert Little, R. 1964). Sdlg. L-58-13. TB, 36", M, Y1F. Gold self, orange beard. Golden Sunshine × Garden Gold.
- RICHNESS (Tom Craig, TB, R. 1963). Craig 1964.
- RIFFLES (Frances Craig, TB, R. 1963). Craig 1964.
- RIGHT WHITE (Swearengen, Japanese, R. 1963). Swearengen 1964.
- RIO ROSO (Corlew, R. 1964). Sdlg. 193-2A. TB, 36", M, V5. S., campanula violet; F., lighter, flushed tan, violet at edges, tangerine-orange beard. (Party Dress × Native Dancer) × Lynn Hall.
- RIPPLED GOLD (Doris Foster, R. 1964). Sdlg. 62-2-13. TB, 30", M-L, Y1F. Bright yellow self, white blaze

- at gold beard. Nomohr × Generous. HC 1964.
- ROBERT SMITHWOOD (M. Sheaff, TB, R. 1962). Sheaff 1964.
- ROEMER KELCH (Steiger, R. 1964). Japanese, 46", MK, single, V1. Lilac red with white edge. F<sub>3</sub> Higo-Care strain.
- RONALD CARROLL (C. L. McDonald, R. 1964). Sdlg. 64. *I. tenax*, (California species), 11", L, W1. White self, yellow markings at haft, broad flower parts for species. *I. tenax* selfed.
- ROSA LADY (Steiger, R. 1964). Japanese, 32", single, W2. White, pink edge. F<sub>3</sub> Higo-Care strain.
- ROSEANNE (Plough, R. 1964). Sdlg. 59-69-38. TB, 34", EM-L. V1L. Orchid purple with a pink glow, self, Saturn red beard. Fleeta × Spring Festival.
- ROSIE O'TEE (James Tucker, R. 1964). Sdlg. 948A. BB, 24", EM, V1. Bengal-rose self. Mary Randall selfed. Southern Meadows 1964.
- ROSY TREASURE (Alta Brown, R. 1964). Sdlg. M-80-10. SDB, 12", E, V3. S., rose amethyst; F., deeper velvety-rose, lighter edges, wisteria-blue beard. Garnet Treasure × Pink Formal.
- ROYAL LAIRE (Roy Brizendine, R. 1964). Sdlg. B-37-61. TB, 33", M-L, Y5. Between moderate and strong orange-yellow self, self beard. (Ola Kala × Cascade Splendor) × Golden-aire.
- ROYAL DAMSEL (Lloyd Austin, R. 1964). Sdlg. 210. TB, 33", M, V1D. Violet-crimson self. Bang × Lois Craig.
- ROYAL EFFENDI (Rex Brown, R. 1964). Sdlg. 58-9-3. Arilbred, 32", M, R1. Dark-maroon self, bronze beard, onco form. Jallah Effendi × Beech-leaf.
- ROYAL GOLD (Hamblen, R. 1964). Sdlg. H60-63. TB, 36", E-L, Y1D. Intense buttercup-yellow self, green mid-ribs, orange beard. (Bright Forecast × Glittering Amber) × (Golden Valley × Crosby Sdlg. 56-23: (Gold Torch × Tobacco Road × Golden Spike)). HC 1963.
- ROYAL HEIRESS (Robert Reinhardt, R. 1964). Sdlg. 64-53. TB, 36", M, V1D. Reddish blue plum, henna beard, ruffled, laced. Sdlg. 61-23: (55-40 × Song of Songs) × Sdlg. 57-46: (Oyster Pearl × Song of Songs) × Sdlg. 61-10: ((May Hall × 52-13) × Ruffled Heiress).
- ROYAL MAJESTY (Moldovan, R. 1964). Sdlg. 64-1. TB, 35", EM, O3. Pink self bordered golden orange, intense red beard. Flaming Heart × One Desire.
- ROYAL ORBIT (Tom Craig, BB, R. 1963). Craig 1964.
- ROYAL TAPESTRY (Schreiners, TB, R. 1963). Schreiner 1964.
- ROYAL TARA (Bess Harbour, R. 1964). Sdlg. 59-E. TB, 35", M-L, G1. Uranium-green self, violet-blue beard. (Charmed Land × Char-Maize) × Mary McClellan.
- ROZINE (Tim Craig, TB, R. 1963). Craig 1964.
- RUBY ROCK (Street, R. 1964). Sdlg. B-159A. SDB, 12", M-L, V1D. Red-purple self. Red Rockette × (Blazon × S-20-3) × (Fior del Monda × Andromache)).
- RUBY TREASURE (Gladys Saxton, R. 1964). Sdlg. 62A1. SDB. 12", M, R1. Ruby-red self. Garnet Treasure × unknown.
- RUFFLED GOLDSTRIKE (Reath, R. 1964). Sdlg. A-24-64. SDB, 14", E, Y3. S., yellow; F., yellow, old gold overlay, yellow beard tipped white. Nylon Loveliness × unknown.
- RUFFLED HYACINTH (Swearengen, R. 1964). Sdlg. S-40. Japanese, 37", M, double, V3. Bluish-violet halo around signals deepens to blue-violet, small amount of white veining, branched. Frances Horton × Imperial Robe.
- RUFFLED PHARAOH (Corliss, Spuria, R. 1958). Arizona Mission 1964.
- RUFFLED SATIN (Joe Saia, R. 1964). Sdlg. 61-2-2. TB, 36", EM, W1. White self, thick orange-yellow beard. Snow Goddess × Frost and Flame.
- RUFFLED SWAN (W. A. Payne, R. 1964). Sdlg. 838. Japanese, 38", E, double, W1. Pure white self. Sdlg.

- 612: (Pillar of Fire x Magic Ruby) x Reigning Beauty.
- RUTH BROWN (Fothergill, R. 1964). Sdlg. 1-93. TB, 32", L-VL, R5O. Old rose suffused on amber yellow. Pandean x Benton Cordelia. HM, Florence Competition 1964.
- RYE WHISKEY (Johnson-Mullen, R. 1964). Sdlg. 54-1. TB, 30", M, Y5. Carmel and honey blend. Escapade x Tally Ho.
- SAILOR'S CHOICE (Porreca, R. 1964). Sdlg. 365. TB, 36", M, B3. S., medium blue; F., dark blue, blue beard. Black Onyx x Demetria.
- SANDOU (Ivan Craig, TB, R. 1963). Craig 1964.
- SAPPHIRAMA (Clyde Cochran, R. 1964). Sdlg. 577-63. TB, 38", E, V3. S., pale violet; F., deep lilac. Blue Sapphire x Melodrama.
- SAPPHIRE DREAM (Eva Smith, R. 1964). Sdlg. 61-23C. TB, 36", M, B1. Sapphire-blue self. Blue Sapphire x unknown.
- SARAH ASHCROFT (E. & A. Watkins, TB, R. 1962). Fairmount 1964.
- SARAH AVERELL (C. & K. Smith, TB, R. 1960). HC 1961. Smith 1964.
- SARITA (Mary Housley, R. 1964). Sdlg. QH-2. MDB, 5", E-EE, V1D. Roseine-purple self. Durrance sdlg. x unknown.
- SASHAY (Plough, TB, R. 1963). Eden Road 1964.
- SCARLET ADVENTURE (Lloyd Austin, R. 1964). Sdlg. 212. TB,, 36", M, R1D. Scarlet-red self. Big Time x Ball Gown.
- SCARLET BEAUTY (Lloyd Austin, R. 1964). Sdlg. 211. TB, 30", E-Re, R3. S., coppery red; F., velvety scarlet. Technicolor x Tabasco. Rainbow 1964.
- SCHLOSS RANNA (van Nes, R. 1964). MDB, 4", EE, B3. S., azure-blue; F., violet, azure-blue edges, white beard. April Morn x April Morn.
- SCOT CREAM (Warburton, R. 1964). Sdlg. 7E353. SDB, 10", E, W5Y. S., blended ivory-white; F., greenish yellow, lavender-blue beard. Dessert x (sib of Truce: blue pumila x Frost Glint).
- SEA (Tim Craig, R. 1964). Sdlg. TR-3-7. TB, 32", E-M, V1D. Blue-purple self. Bob's Blue x Kalifa Gulnarie.
- SEAFAIR BALLET (Rex Brown, R. 1964). Sdlg. 59-50-2. TB, 48", M-L, W1. Pure-white self, white beard. Swan Ballet x Seafair Princess.
- SEAFAIR PARADE (Rex Brown, TB, R. 1963). Brown's Iris Gard. 1964.
- SEAIR (Plough, R. 1964). Sdlg. 59-289-32. TB, 40", EM-L, W5V. S., base cobalt violet to white at top; F., same color radiates down side leaving warm-white center, orange beard tipped white. (First Flight x sib to Easter Valley) x Ruffled Skies.
- SEA SHADOWS (Mrs. L. W. Brummitt, R. 1964). Sdlg. 19-1. Sibirica, 36", M, B3. S., medium blue; F., mixed shades of blue, turquoise style-arms. White Swirl x Tycoon.
- SEA'S TREASURE (D. Lyon, TB, R. 1963). Robert Young 1964.
- SEEMANN (Steiger, R. 1964). Japanese, 32", single, VB1. Lilac-blue self. F<sub>3</sub> Higo-Care strain.
- SEE ME (Carlson, MDB, 4", R. 1963). Correction of classification.
- SENATOR BROWN (McEwen, R. 1964). Sdlg. 58-50-A. BB, 25", M-ML, O3D. S., fawn; F., fawn and buff, chrome-yellow styles, buff beard. Inca Chief x Centurion.
- SENTINEL (Cynthia James, R. 1964). Sdlg. 138-6. TB, 40", E-Re, W1. Tailored white, lemon beard. Caroline Burr x Oregon Sunshine.
- SERENITY (Goett, SDB, R. 1963). Goett 1964.
- SHADOW GAY (Bacon, TB, R. 1963). Pine Shadows 1964.
- SHAKESPEARE CLIFF (Maurice Peach, R. 1964). Sdlg. 61-J-2. TB, 40", L, W1. S., chalk white; F., white, deep golden beard. Cliffs of Dover x Fletcher's: (Arabi Pasha x sib).
- SHELLY LYNN (Carstensen, R. 1964). Sdlg. C-15-62. TB, 34", M, V1. Orchid self, tan haft, red beard. Parentage unknown.



- SHEREENE (Knopf, R. 1964). Sdlg. 62-4. TB, 36", M, Y5. S., light buff, lavender influence; F., light buff. Lady Ruffles × Mission Trails.
- SHILOH BELLE (David Rawlins, R., 1964). Sdlg. 57-6-2. TB, 34", M, O1P. Pink self, no haft markings. Ballerina × Spring Romance.
- SHILOH HILLS (David Rawlins, R. 1964). Sdlg. 61-6-1. TB, 30", M, W1Y. Warm-white self, trace of yellow at hafts. Snow Flurry × Illinois.
- SHIRLEY ANN (Cynthia James, R. 1964). Sdlg. 34-11. TB, 40", E-Re, Y1. Canary-yellow self, darker beard. Oklahoma City × Sally Ann.
- SIGNATURE (Corlew, R. 1964). Sdlg. 101-2A. TB, 38", BM, O3P. S., Pale pink, lighter edges; F., white, flushed pale pink, cream beard tipped orange. Snow Gold × Ballerina.
- SILVER SURF (Payne, Japanese, R. 1961). Payne 1964.
- SILVER TRAIL (Opal L. Brown, R. 1964). Sdlg. 3-105. TB, 33", M, B1M. Medium-blue self, fine silver edge, self beard. J. Scharff Sdlg. 57-34-1 × Winter Olympics.
- SILVER WEBB (Frederick Gadd, R. 1964). Sdlg. 6A-42. Arilbred, 38", E, B1P. Pale-blue self, black beard and signal. (Jane Phillips × Spanish Peaks sdlg.) × Capitola.
- SINGING SPRITE (W. A. Payne, R. 1964). Sdlg. 853. Japanese, 36", M, double, V3. Bradley's violet with dusky-violet halo. Sdlg. 724 (Sdlg. 118F3 × Prima Ballerina F<sub>4</sub>) × Sdlg. 631 (Miss Simplicity × Imperial Robe).
- SINGING THE BLUES (Ida St. Helens, R. 1964). Sdlg. 5401. TB, 38", M, B1. Gentian-blue self. Blue Empress × (Shining Waters × Great Lakes).
- SIOUX MAIDEN (Rudser, R. 1964). Sdlg. 60-2. TB, 36", EM, B1L. French-blue self. Yellow Organdy × Gussie. Foss Gard. 1964.
- SIR GORDON (Flora McGee, Arilbred, R. 1962). Tell 1964.
- SKYDIVA (Frederick Knocke, R. 1964). Sdlg. K-31. TB, 31", M, W4B. S., white; F., white, blue blush on edges, yellow beard tipped white. Whole Cloth × Cross Country.
- SKYWATCH (Cliff Benson, TB, R. 1963). Benson 1964.
- SLUMBER TIME (Guenther, R. 1964). Sdlg. H-34-3. IB, 17", ML, B1N. Bluish-black self, brownish beard tipped blue. Black Taffeta × (Snow Flurry × Cook's 1546 pumila).
- SMALL RIPPLE (Hamblen, R. 1964). Sdlg. H8-117. IB, 22", E, W1. Cool-white self, pale-yellow beard. Crispy × Frilly Fringes. HC 1963. Mission Bell 1964.
- SMILING QUEEN (Rex Brown, R. 1964). Sdlg. 58-49-20. TB, 36", M-L, Y1L. Light-yellow self, lighter area in center of F., cream beard. Riveria × Queen's Choice.
- SMOKY AMETHYST (C. E. Lebo, Jr., R. 1964). TB, 36", M, V5. Smoky orchid, deeper amethyst flush on F., brown and yellow haft markings, orange beard. Syringa × Chantilly.
- SMOKY MOUNTAIN (Eva Smith, TB, R. 1963). Smith's Iris Gard. 1964.
- SNOW AND AMBER (Constance Dougherty, R. 1964). BB, 25", M, Y4W. S., honey yellow; F., white, narrow yellow edge. (Courtier × Hit Parade) × (Chantilly × Snow Flurry).
- SNOW CAPPED (Ida St. Helens, R. 1964). Sdlg. 3901. TB, 34", M, W1. White self, no markings. Star Shine × Cliffs of Dover.
- SNOW FLARE (Grace Carlson, Sibirica, R. 1963). Tell 1964.
- SOLAR FLARE (Fred Crandall, R. 1964). Sdlg. 62-7. TB, 36", M, Y5. Buff shaded yellow self. (Golden Stairs × Pretty Quadroon sdlg.) × Bang. HC 1964.
- SOLENT SUN (J. D. Taylor, R. 1964). Sdlg. D.63-1. IB, 25", M, Y1P. Pale-yellow self. Serin × ((Sylvia Murray × Sky Song) × Welch H.503) × Green Spot.
- SOMBRERO BLANCO (Tolman, R. 1964). Sdlg. 61-15-1. TB, 34", M, W4. S., white flushed lightly blue; F., medium purple. Melodrama × (First Violet × Whole Cloth).
- SOMMERNACHT (Steiger, R. 1964). Japanese, 24", double, BV1L. Blue-violet self. F<sub>3</sub> Higo-Care strain.

- SOMMERWOLKEN (Steiger, R. 1964). Japanese, 30", W1. Pure white self. F<sub>3</sub> Higo-Care strain.
- SONIC BLUE (Edward Christensen, R. 1964). Sdlg. 8B4-2. TB, 38", M-L, B1L. Pastel-blue self, orange-yellow beard tipped lighter. Biscay Bay × Celestial Blue.
- SONI CE (Les Peterson, R. 1964). Sdlg. 63-7A. Arilbred, 20", E-M, B3. S., Pale sea-lavender, wisteria blue; F., same with some purple flush, purple beard. Imam Ahmid × Bali Aga. HC 1963.
- SOUND OF MUSIC (Oral Brown, R. 1964). Sdlg. 3-1C-15. TB, 32", M, B1. Wisteria-blue self, creamy beard tipped blue. Winter Olympics × Galilee.
- SPANISH GIFT (Shoop, R. 1964). Sdlg. B60-16-1. TB, 36", M, O1. Orange self, deep-orange beard. Bright Magic × Sdlg. B55-39.
- SPECKLED SPRITE (Molly Price, SDB, R. 1963). Old Brooks Gard., Cassebeer 1964.
- SPIRIT LAKE (W. A. Payne, R. 1964). Sdlg. 967. Japanese, 40", E, double, V3. Light bluish-violet, spectrum-violet halo, violet styles. Sky and Water × Fall and Frost.
- SPLASH O' PINK (David Hall, R. 1964). Sdlg. 59-64. TB, 36", M, O1P. S., pink; F., pink, amber glow in central area. From two pink sdlg. Cooley 1964.
- SPOONED BLAZE (Lloyd Austin, R. 1964). Sdlg. 227. TB, 38", ML, spooned, Y1. Butter-yellow self, white blaze, yellow horns ending in small spoons rise from deep-orange beard. Bright Gem × Lemon Spoon.
- SPOONED HARMONY (Lloyd Austin, R. 1964). Sdlg. 196. TB, 38", VL, spooned, R5. S., rose taupe; F., rosy fuchsia, large orchid open spoons. Horned Tangerine × Horned Mystery.
- SPOTLIGHT JEWEL (Geddes Douglas, TB, R. 1960). Peterson 1964.
- SPRING BOUQUET (M. Suiter, TB, R. 1958). Tell 1964.
- SPRING FERN (Earl Roberts, SDB, R. 1963). Roberts 1964.
- SPRING JEWEL (Eva Smith, SDB, R. 1963). Smith's Iris Gard. 1964.
- SPRING SNOW (H. Ladd Plumley, R. 1964). Sdlg. 5908. TB, M, W1. White self, white beard. (First Lady Pink × Chinese White) × Ice Carnival.
- SPUN HONEY (Bonnie Dunbar, R. 1964). Sdlg. 61-20. SDB, 14", ML, W1. Warm-white self, white beard, light-yellow hafts, green buds, 2-way branching. Baria × Aphylla Hungarica.
- SPUNKY (Reath, R. 1964). Sdlg. 47-62. MDB, 4", EE, V3. S., orchid; F., orchid, orchid-rose spot. Welch J-509 × Rose Elf.
- SPURRED PREMIERE (Lloyd Austin, R. 1964). Sdlg. 213. BB, 26", E, V1. Mauve self, creamy-bronze spurs. Capricorn × DeForest 13-46. Rainbow 1964.
- STABILITY (Marion Walker, R. 1964). Sdlg. S-47-61. Spuria, 38", M, OY5. S., orange-yellow; F., deep orange-yellow veined lightly with tan, ruffled. Morningtide × unknown.
- STAR AT MIDNIGHT (R. A. Rich, Japanese, R. 1963). HC 1963. Melrose 1964.
- STATELY CHARM (Rutherford, R. 1964). Sdlg. 58-2. TB, 38", M, Y3. S., cream; F., yellow, edged light yellow. (Hit Parade × Pink Formal) × Cloud Castle.
- STEPPING OUT (Schreiners, R. 1964). Sdlg. S-562-A. TB, 38", ML, W2V. Large white areas sharply patterned edges of blue-black violet. Parentage unknown. Schreiner 1964.
- STEVIE (McHugh, R. 1964). Sdlg. 5951. TB, 34", M, V1D. Plum self. Pierre Menard × Sable Night.
- ST. LOUIS DANCER (Richard W. Morgan, R. 1964). TB, M, V5L. Lavender-rosy blend, orange beard. Native Dancer × Miss St. Louis.
- STRUT AND FLOURISH (Payne, Japanese, R. 1960). Payne 1964.
- STURMWIND (Steiger, R. 1964). Japanese, 40", single, W2V. White, violet veins and points. F<sub>3</sub> Higo-Care strain.
- SUDDEN MUSIC (Helen Stevens, R. 1964). Sdlg. 62-21. SDB, 12", M, V1D. Red-purple self, blue beard. TB × unknown pumila.

- SUMI SAN (C. & K. Smith, TB, R. 1961). Smith 1964.
- SUMMER ANGELINE (G. P. Brown, R. 1964). TB, 32", Re, W3. S., creamy white; F., pure white, few green-yellow veins, orange beard. Winter White sdlg. × Lugano.
- SUMMER BLUETINTS (G. P. Brown, TB-Re, R. 1963). Brown's Everblooming Gard. 1964.
- SUMMER BUTTERFLY (G. P. Brown, R. 1964). TB, 32", Re, Y1F. Deep-yellow self. Summer Date × Autumn Orangelite.
- SUMMER FANTASY (G. P. Brown, R. 1964). TB, 36", Re, Y2. S., light yellow, flushed red; F., white, faint lavender-red veins, faint lavender-stitching border, orange beard, yellow styles flushed brown. Summer White-wings × Lugano.
- SUMMER GOLDLOCKS (G. P. Brown, TB, Re, R. 1962). Cedar Lake 1963.
- SUMMER GREEN SHADOWS (G. P. Brown, R. 1964). TB, 32", Re, Y1G. Greenish-yellow self, few green-yellow veins beside orange beard. Green Dragon × Fall Melolite.
- SUMMEROSE (Tom Craig, R. 1964). Sdlg. 64-2. TB, 34", E-Re-L, O1P. S., buff pink; F., pink. Goodun × ((Mount Washington × Flora Zenor) × Happy Birthday).
- SUMMER SPLENDOR (Marvin Granger, R. 1964). Sdlg. 61-11. Louisiana. M, Y1M. Medium-yellow self, no signal, greenish-yellow styles. Royal Lady × Frustration.
- SUN CHILD (Mary Housley, R. 1964). Sdlg. Q-154-A. SDB, 10", E-EM, Y1. Aureolin-yellow self, yellow beard shading orange. Helen's Child × unknown.
- SUNDAY DRESS (Mrs. Joseph Terrill, R. 1964). Sdlg. T-247-58. TB, 32", E-M, W2. S., pure white; F., white ground, marked with narrow rosy-violet lines, vertical stripes. The First Lady × Dainty Lady.
- SUNLIT CHARM (Rosenfels, SDB, R. 1963). Raleigh Hills 1964.
- SUNLIT STREAM (Dorothy Palmer, R. 1964). Sdlg. 1862E. TB, 35", M, B1L. Light-blue self, yellow hafts, yellow beard. Sunswept × Patrician.
- SUNNY HEART (Alta Brown, SDB, R. 1963). Brown's Iris Gard. 1964.
- SUNNY SPLENDOR (Schreiners, R. 1964). Sdlg. R-238-A. TB, 35", M-L, Y1F. Pure lemon-yellow self. (Nankeen × Inca Chief) × (Country Butter × Golden Sunshine).
- SUNRISE SERENADE (M. Sheaff, TB, R. 1963). Sheaff 1964.
- SUNSET BLUES (Bernice Roe, R. 1964). Sdlg. 62-9. TB, 36", EM, V3. S., wisteria blue; F., sea-lavender blue, palest yellow beard. Melodrama × Whole Cloth. HC 1964. Roe 1964.
- SUNSET CANYON (David Lyon, TB, R. 1963). Robert Young 1964.
- SUNSITE (Plough, TB, R. 1963). Eden Road 1964.
- SUN SYMBOL (Bennett Jones, R. 1964). Sdlg. M58-1. SDB, 12", M, Y1. Medium-yellow self, smooth tobacco-brown hafts. Golden Fair × unknown.
- SUPERED (Tom Craig, TB, R. 1963). Craig 1964.
- SUPER FRILL (Lloyd Austin, TB, R. 1963). Rainbow 1964.
- SUTTER'S FALLS (Schreiners, R. 1964). TB, 38", M-L, O5D. S., rich coppery-tan brown; F., same color, pronounced blue blaze, patterned blend. Brass Accents × Beechleaf.
- SWAHILI (Plough, R. 1964). Sdlg. 60-32-24. TB, 31", EM, N1R. S., red black, slight violet cast; F., red black, clean red-brown hafts, dark-brown beard. Edenite × Allegiance.
- SWEET FOREVER (O. T. Baker, R. 1964). Sdlg. 61-13. TB, 34", EM-L, O1P. Appleblossom-pink self, cream haft. (Top Flight × (Storm King × Wabash)) × Spring Festival.
- SWEET ONE (Plough, TB, R. 1963). Eden Road 1964.
- SWING LOW (Fred Crandall, R. 1964). Sdlg. 59-5F. BB, 26", L, Y1. Yellow self, white blaze, yellow beard, laced edges. Swingtime × sib to Crinkled Sunset. HC 1964.
- SWISS MISS (Wm. Peck, R. 1964). Sdlg. C-102-K. TB, 36", M, B1P. Pale-blue self. St. Jude × South Pacific.

- SYLVAN SPRITE (Frances Jennings, R. 1964). TB, 37", M-L, Y5. Old gold, strong greenish cast. (Winged Goddess x Hallsworthy) x Wayward Wind.
- SYLVIA WALTON (Luscombe, R. 1964). TB, 36", L, B1V. S., violet blue; F., deep blue suffused violet, orange beard. Blue Ensign x Great Lakes.
- TAFFY PINK (Fred DeForest, R. 1964). Sdlg. 60-3L. TB, 38", M, O1P. Bachelor button-pink self, pink beard. (Frances Kent x Ballerina) x (Pink sdlg. x Pink Formal).
- TALANA (Sebastian, R. 1964). TB, 36", EM, W5. Off-white overall with hues of pink and blue, pale-yellow ruffles, golden-yellow beard. New Snow x China Maid.
- TALENT SHOW (Plough, R. 1964). Sdlg. 60-135-4. TB, 33", EM, W4V. S., pure white; F., blue violet. Sdlg. 57-19-13 (sib to Saigon) x Emma Cook.
- TALL GIRL (Mrs. Wm. Stoll, R. 1964). TB, 40", M, W4V. S., clean white; F., light violet. Sdlg. involving Blue Rhythm, Mist Glow, Gaylord, Alpine Meadow, Lake Huron, Sails and Seas x Whole Cloth.
- TAMINO (Schreiners, R. 1964). Sdlg. DF-5. IB, 22", EE, W4B. S., pure white; F., white, thumbprint of blue, gold at throat, yellow beard. (Blue pumila x Jane Phillips) x Schortman sdlg. Schreiner 1964.
- TAR HEEL (Lolita Powell, R. 1964). Sdlg. L4-74-F. TB, 36", M-L, V3D. S., light black-purple; F., dark black-purple. Top Hat x Black Taffeta. Tell 1964.
- TATTOO (Babson, R. 1964). Sdlg. M90-4. TB, 36", M, Y3. S., bright deep-yellow; F., same, burnt sienna veins nearly solid from haft to tip of orange beard. (Voodoo x Storm Warning) x dark red sdlg.
- TAWANY TOT (Goett, SDB, R. 1963). Goett 1964.
- TELL ME (Marion Rodley, R. 1964). Sdlg. L6. IB, 20", E, B1. Ruffled blue self, orange beard, white blaze, olive at haft. Tinkerbelle x blue TB. Nelson South 1964.
- TEMPLED HILLS (Myron Beard, R. 1964). Sdlg. 63-15. TB, 40", M, V1M. Orchid-lavender self. Moldovan 57-59 x sib to Sterling Silver.
- TENDER TRAP (Hager, R. 1964). Sdlg. 14J50. Japanese, 36", B1. Soft blue around yellow signal, blending to lavender at edges. Ruffled Brocade x Karahashi.
- TETRAFOR (Steiger, R. 1964). *I. forrestii*, 8", EE, Y1. Yellow self. Colchicine-treated *I. forrestii*.
- TETRATEC (Steiger, R. 1964). *I. tectorum*, 28", E, V3. S., light violet; F., blue violet, dark points. Colchicine-treated *I. tectorum* white x *I. tectorum* violet.
- THAI' TICK (Ellyson, R. 1964). Sdlg. AA-64-18. TB, 34", M, Y4. Pale yellow, brown streaks in haft, pale electric blue under brown-tipped beard. Sundog x Privateer.
- THANK YOU (Marion Rodley, R. 1964). Sdlg. L2. BB, 16", L, R3. S., clear blue; F., blue, deeper blue markings. Tinkerbelle x blue TB. Nelson South 1964.
- THELMA LEATON (Roach, TB, R. 1960). Roach 1964.
- THEO (Marion Rodley, R. 1964). Sdlg. L5. BB, 19", L, B3. S., pale green-blue; F., deeper, halo effect of olive to deep blue, orange beard tipped blue. Tinkerbelle x blue TB. Nelson South 1964.
- THUNDER ROAD (Chet Tompkins, R. 1964). TB, 39", M-VL, VID. Very dark violet self toned manganese rose, brown haft, dark manganese violet-blue beard. (Mountain Music x Brigadoon) x Twilight Zone. Fleur de Lis 1964.
- TIFFY (Goett, R. 1964). Sdlg. 4D6. SDB, 14", E, Y2. S., light yellow; F., light yellow, faint violet stippling on edges, faint stippling in S.; often 2 branches plus terminal. Knotty Pine x Pat's Pal. Goett 1964.
- TILlicUM (Plough, TB, R. 1963). Eden Road 1964.
- TOPSY TURVY (Welch, MTB, R. 1963). Welch 1964.
- TOY SHOP (Fay, R. 1964). Sdlg. 60-45. BB, 19", L, W1. White self, red

- beard, hint of green on first opening.  
Cashmere × New Arrival.
- TRIPLEX (Frances Craig, TB, R. 1963).  
Craig 1964.
- TRIPPET (Carleton MacLean, R. 1964).  
Sdlg. M59-34. TB, 40", EM-L, Y1L.  
Light-yellow self. Limelight × Desert  
Song.
- TRIWORTHY (Frederick Gadd, R.  
1964). Sdlg. 32-42. TB, 36", M, Y4B.  
S., yellow; F., medium blue, yellow  
beard. Mary Randall × Prettyfield.
- TROPIC BLUE (Plough, R. 1964).  
Sdlg. 59-74-30. TB, 35", EM-L, B1.  
Hyacinth-blue self, orange beard  
tipped blue. Galilee × Lost River.
- TRUDY (Chet Tompkins, R. 1964).  
TB, 40", M-L, W4O. S., white tinted  
gilt at base; F., vivid butternut brown.  
(Helen Collingwood × Mystic Melody)  
× Madame Butterfly. Fleur de Lis  
1964.
- TRUDY'S RED (G. Hays, R. 1964).  
TB, 36", M, B5R. Blue ground, red  
shines through; F., velvet red, blue-  
brown beard. Dodge City × red sdlg.
- TULE SUNSHINE (Fail, TB, R. 1961).  
Fail 1964.
- TUN (Tim Craig, R. 1964). Sdlg. TR17.  
TB, 30", EM, Y5. Green-yellow pearl  
shell, with slightly blue overcast.  
Ebbtide × Craig sdlg.
- TUXEDO (Schreiners, R. 1964). Sdlg.  
S-529. TB, 37", M, V1D. Deep mid-  
night-blue-black self, self beard. Licor-  
ice Stick × Sdlg. O-332-1.
- TWENTY FATHOMS (Cliff Benson, R.  
1964). Sdlg. 64-6. TB, 36", M, B1M.  
Medium-blue self, no veining on falls.  
(Melissa × Van Cliburn) × Skywatch.
- TWILIGHT HARMONY (Jean Stevens,  
R. 1964). Sdlg. 2-158. TB, 32", M,  
Y4V. S., luminous honey gold; F., light  
heliotrope, honey-gold border, gold  
haft and beard. Paul Cook's 216-55 ×  
Olympic Torch.
- TWILIGHT HAVEN (Reynolds, TB, R.  
1963). Twintrees 1964.
- TWILIGHT HAZE (Carstensen, R.  
1964). Sdlg. 2-60. MDB, 4", EE, Y4V.  
S., cream; F., cream splashed purple.  
Sass 2-52 × Green Spot.
- TWILIGHT HOUR (Eva Smith, R.  
1964). Sdlg. 61-493. TB, 36", M, Y5V.  
S., golden tan; orchid wash; F., orchid,  
golden-tan edge and hafts. Nuevo  
Laredo × Lavendula.
- TWILIGHT MIST (Neugebauer, R.  
1964). Sdlg. 2. Louisiana, 62", M,  
V1L. Light-violet self. Her Highness  
× Gulf Mist.
- TWILIGHT STAR (DeForest, TB, R.  
1963). Irisnoll 1964.
- TWILITE TIME (Earl Roberts, BB, R.  
1960). Roberts 1964.
- UPPER GLOW (Knopf, R. 1964).  
Sdlg. 63-44. TB, 32", M-L, V3. S.,  
lavender; F., violet. Melodrama ×  
Orchid Jewel.
- U.S.S. CONCORD (Ann and Clarence  
Blocher, R. 1964). Sdlg. B-77. TB,  
30", M-L, B1D. Deep dark-blue self.  
Galilee × Allegiance.
- VANDAL (Fred Crandall, R. 1964).  
Arilbred, 30", E, B4. S., medium blue;  
F., blue edge strongly flushed green-  
ish brown, dark around golden beard.  
Asoka of Nepal × (Hoogiana × Shin-  
ing Waters).
- VEINED ARTISTRY (Hazzard, Japanese,  
R. 1963). Hazzard 1964.
- VEINETTE (Hazzard, Japanese, R. 1963).  
Hazzard 1964.
- VELVATINE (Earl Roberts, R. 1964).  
Sdlg. 64R15. SDB, 13", EM, Y4M.  
S., bright yellow; F., mahogany  
bordered bright yellow, tangerine-  
orange beard. (Brownett × Fay pink  
TB 54-93). × sib.
- VEL VET (Schreiners, R. 1964). Sdlg.  
R431-1. TB, 36", L, Y4R. S., light  
tobacco tan gold; F., velvety maroon-  
brown, no veins. On Parade × Trim.  
Schreiner 1964.
- VELVET CAPER (Warburton, SDB, R.  
1963). Raleigh Hills, Old Brook  
1964.
- VELVET GOLD (Muhlestein, R. 1964).  
IB, 16", E, Y1F. Rich cadmium to  
deeper gold self. Pigmy Gold × Pink  
Fulfillment. Tell 1964.
- VELVET MAJESTY (W. A. Payne, R.  
1964). Sdlg. 846. Japanese, 39", E,  
double, V1D. Blackish-purple self.  
Shadow Play × Sdlg. 631 (Miss  
Simplicity × Imperial Robe).

- VELVET TOUCH (Dorothy Dennis, R. 1964). Sdlg. 6007. SDB, 14", EM, VIR. Reddish-purple self, lavender beard. Sdlg. 5810A (blue TB × purple pumila) × Garnet Treasure. HC 1963.
- VENETIAN VELVET (Payne, Japanese, R. 1963). Payne 1964.
- VESTAL TRIDENT (Swearengen, R. 1964). Sdlg. S-41. Japanese, 36", LM, double, W1. White self, yellow signal patches, 3 white tubelike growths between styles and standards, fancy. (Imperial Robe × Miss Simplicity) × Frances Horton. Swearengen 1964.
- VICTORIA BUTTERFLY (Corliss, Spuria, R. 1961). Arizona Mission 1964.
- VICTOR THE ARTIST (Hartkopf-Gable, R. 1964). Sdlg. 61-42. TB, 37", EM, W2V. S., blended spectrum violet; F., white ground, spectrum violet border. Port Wine × Bright Contrast.
- VILLAGE GREEN (Hinkle, TB, R. 1961). Wild & Son 1964.
- VILLA GOLD (J. M. Gibson, R. 1964). Sdlg. 8-6P.C. TB, 34", M-L-Re, O2. S., golden orange; F., golden orange, white ground. From two sdlgs.
- VILLA NIGHT (J. M. Gibson, R. 1964). Sdlg. 90-5B. TB, 42", M, B1D. Deep blue self. Black Hills × Blue Spincl.
- VINTAGE FESTIVAL (W. A. Payne, R. 1964). Sdlg. 896. Japanese, 38", LM, double, V3. Pansy violet veined darker, prominent light edging. Sdlg. 669 (Red Titan × Imperial Robe) × Cobra Dancer.
- VIOLET FLIRT (Mattie Reinhardt, R. 1964). Sdlg. 61-14. BB, 28", M, V3. S., light violet-blue; F., red purple, creamy white beard. Oyster Pearl × Melodrama.
- VIOLET HAZE (Richard Morgan, R. 1964). Sdlg. 58-3. TB, 38", M, V1F. Full violet self. Snow Flurry × Cloud Castle.
- VIOLET IMP (J. D. Taylor, R. 1964). Sdlg. E94 1. MDB, 5", E, V1D. Deep violet self, blue beard. (Little Jewel × Hanselmeyer) × ((April Morn × Carpathia) × (Sulina × Nana)). HC. Wisley 1964.
- VIOLET SPECTACLE (Hazzard, Japanese, R. 1963). Hazzard 1964.
- VIOLET SPLENDOR (W. A. Payne, R. 1964). Sdlg. 770. Japanese, 50", LM, double, V1D. Dark-violet self. Classic Modern × Night Festival.
- VIOLET VIRGO (Rundlett, TB, R. 1963). Old Brook 1964.
- VIRGIE (Ensminger, R. 1964). Sdlg. 61-6. TB, 34", M-L, V1. Campanula-violet self. Violet Harmony × Blue Interlude.
- VIRGINIA BELLE (Bakke-Messer, TB, R. 1963). Foss Iris Gard. 1964.
- WAGISHEWA (Irene Johnson, R. 1964). Sdlg. 1-1963. Arilbred, 30", ML, G5. S., olive green; F., olive green, infused blue lavender, brown markings. Phosphorescent × Green Chance.
- WALPURGIS (Ziepke, R. 1964). SDB, 12", EE, V3D. S., dark purple; F., purple black, gold-orange beard. Blazon × *I. chamaeir*is.
- WALTZING MATILDA (Porreca, R. 1964). Sdlg. 303. BB, 26", L, Y4. S., apricot tan; F., white, apricot-tan hafts and picotee edge, light-tangerine beard. Frances Kent × Pleasant Dreams.
- WARLOCK (El Dorado Gard., TB, R. 1963). El Dorado Gard. 1964.
- WARM HEARTED (Porreca, R. 1964). Sdlg. 337. TB, 36", M, R1D. Dark-red self, orange beard. (Sunset Blaze × Envoy) × Schreiner 804A.
- WASCO PRIDE (Terrell, TB, R. 1963). Melrose 1964.
- WATER NIXIE (Vallette, Arilbred, R. 1958). Vallette 1964.
- WAYMARK (Caroline DeForest, R. 1964). Sdlg. 61-21. TB, 34", M, O1M. Medium-orange self, plicata haft, tangerine beard. ((Rodeo × Cloudcap) × Lapham L-7) × (sib. Frances Kent × Pink Formal).
- WEE MARY ANN (Mary Housley, R. 1964). Sdlg. QH-1. MDB, 4", E-EE, V1. Wisteria-blue self, cobalt-violet spot. Parentage unknown.
- WEISSE TAUBE (Steiger, R. 1964). Japanese, 28", single, W1. Pure-white self. F<sub>3</sub> Higo-Care strain.
- WELLENTANZ (Steiger, R. 1964). Japanese, 34", double, V5B. Middle lilac to blue, F<sub>3</sub> Higo-Care strain.

- WESTERN MUSIC (D. Lyon, TB, R. 1963). Robert Young 1964.
- WESTERN SUN (F. Harris, TB, R. 1963). Tell 1964.
- WESTERN SYMPHONY (W. A. Payne, R. 1964). Sdlg. 1080. Japanese, 42", EM, double, V3. Light Hortense violet, dense veining of mulberry purple. Debonair Prince × Carnival Queen.
- WHEAL UNY (Mrs. A. O. McWilliam, R. 1964). Sdlg. 52-1. BB, 20", M, VID. Violet-black self. Black Taffeta × Deep Black.
- WHIRLING RUFFLES (Nathan Rudolph, R. 1964). Sdlg. 63-23. TB, 30", M, B1. Steel-blue self, white beard. Sdlg. 61-51 (Galilee × 59-10) × Sdlg. 61-16 (Galilee × 59-10).
- WHIRLING SNOW (Nathan Rudolph, R. 1964). Sdlg. 62-61. TB, 32", L, W1. Milk-white self, yellow beard. (Dancing Bride × sib) × sib to Dancing Bride (59-84).
- WHISPERYLLA (M. Price, SDB, R. 1963). Old Brook 1964.
- WHITE CAPE (Kitton, R. 1964). Sibirica, W1. White self. From two Sibirica sdlgs.
- WHITE CHIFFON (Hazzard, Japanese, R. 1963). Hazzard 1964.
- WHITE COIN (Corliss, Spuria, R. 1960). Arizona Mission 1964.
- WHITE CORSAGE (Corliss, Spuria, R. 1957). Arizona Mission 1964.
- WHITE HORSES (Kitton, R. 1964). Sibirica, W1. White self. From two Sibirica sdlgs.
- WHITE LARK (Corliss, Spuria, R. 1957). Arizona Mission 1964.
- WHITE MAGNIFICENCE (Kitton, R. 1964). Sibirica, W1. White self. From two Sibirica sdlgs.
- WHITE RABBIT (Kitton, R. 1964). Sibirica, W1. White self. From two Sibirica sdlgs.
- WICCA (Mrs. A. O. McWilliam, R. 1964). Sdlg. 558-1. BB, 28", M-L, B1D. Navy blue self. Wheal Vor × Rehobeth.
- WILD APACHE (J. M. Gibson, R. 1964). Sdlg. 51-OPE. TB, 34, M-L, V2. S., rose madder, flushed mulberry; F., mulberry on white ground, mahogany border. Henna Stitches × Wild Ginger.
- WILD PEACOCK (Muhlestein, R. 1964). Sdlg. 166. BB, 24", M-VL, YO4. S., rosy brown; F., amaranth flushed claret red and rosy violet, red-brown hafts. Jungle Bird × Bang. HC 1963. Tell 1964.
- WILDWASSER (Steiger, R. 1964). Japanese, 48", single, B1M. Middle-blue self. F<sub>3</sub> Higo-Care strain.
- WIND AND SEA (Payne, Japanese, R. 1962). Payne 1964.
- WINDJAMMER (Steiger, R. 1964). Japanese, 34", double, V3. Dark lilac with steel blue center. F<sub>3</sub> Higo-Care strain.
- WINDSWEPT BEAUTY (Payne, Japanese, R. 1963). Payne 1964.
- WINTER GIANT (Lloyd Austin, R. 1964). Sdlg. 153. TB, 29", M-Re, R1D. Dark-crimson self. Gibson Girl × Savage.
- WINTER GOLD (Lloyd Austin, R. 1964). Sdlg. 10. TB, 42", E-Re, Y1F. Deep-yellow self, dark-gold veins at haft, whitish at beard. Color Carnival × Halloween Night.
- WINTERTON (Nicholas Moore, R. 1964). Sdlg. 30. TB, 32", M, R3. S., rosy fawn; F., rosy fawn, palm throat. Lamplight × Juliet.
- WISDOM (C. & K. Smith, TB, R. 1962). Smith 1964.
- WODAN (Steiger, R. 1964). Japanese, 48", double, V1R. Velvet red-violet self. F<sub>3</sub> Higo-Care strain.
- WOUNDED DRAGON (W. A. Payne, Japanese, R. 1963). Payne 1964.
- XMAS FIRES (Tom Craig, TB, R. 1963). Craig 1964.
- YELLOW APRICOT (Kitton, R. 1964). Sdlg. 102. Sibirica subsection hybrid, 30", Y5. S., yellow, suspicion of apricot, slight brown striations; F., yellow, hint of apricot. From two Sibirica subsection sdlgs.
- YELLOW RADIANCE (Reath, R. 1964). Sdlg. A-28-63. SDB, 15", EM, Y1. Flaring yellow self. Baria × Brassie.

- YELLOW RIOT (Reath, R. 1964). Sdlg. A-19-61. SDB, 14", EM, Y1. Yellow self. Baria × Brassie.
- YELLOW RUFFLES (Nathan Rudolph, R. 1964). Sdlg. 62-54. TB, 30", L, Y1. Lemon-yellow self, lighter in center of F. Dancing Bride × sib to Dancing Bride.
- YELLOW WINGS (Walker Ferguson, R. 1964). Sdlg. 62-1. Spuria, 42", E, Y1. Yellow self. (Good Nature × Inflation sdlg.) × (White Heron × Color Guard).
- YOUNG GREG (Lucy Delany, R. 1964). IB, 18", EM, B1P. Pale frosty-blue self, no markings. Tinkerbelle × Chivalry.
- YOUTHFUL CHARM (Jean Stevens, TB, R. 1961). Wanganui 1964.
- YUKON MAGIC (Carlson, TB, R. 1962). Cedar Lake 1963.
- ZAPFENSTREICH (Steiger, R. 1964). Japanese, 40", double, W2. White, red-violet veins and points. F<sub>3</sub> Higo-Care strain.
- ZAUBERSCHEIN (von Martin, R. 1959). Released for 1964 registration.
- ZAUBERSCHEIN (von Martin, R. 1964). TB, 34", E-M, RV1P. Pale reddish-violet self. Omas Sommerkleid × (Pink Bountiful × Pink Formal).
- ZERAH MAYE BRUMMETT (Brummett-McCaffrey, R. 1964). Sdlg. B-8313. SDB, 13", Re and winter, V4W. S., purple; F., purple, white spots. Hi-Time × Tournament Queen.
- ZIP (Goett, R. 1964). Sdlg. 4D7. SDB, 11", E, W2V. S., white, violet markings; F., white, violet markings, brown haft. Knotty Pine × Pat's Pal. Goett 1964.



# REGISTRANTS AND THEIR REGISTRATIONS INTRODUCERS

ABERCROMBIE, TOWNE R., 7781 Livingston Rd., Cincinnati, Ohio 42539  
BARBARA WILCOX.

ALPAHR GARDENS, 5080 Allison St., Arvada, Colo. 80002

ANLEY, MRS. G., St. Georges, Wych Hill Lane, Woking, Surrey, England  
BLACK WYCH.

ARIZONA MISSION GARDENS, Bin H., Somerton, Ariz. 85350

AUSTIN, LLOYD (by Gladys Austin), 2036 Carson Road, Placerville, Calif. 95667

AUTUMN BLUE, BLAZE OF BLUE, BLUE EVERBLOOMER, BOUNTIFUL BEAUTY, CHESTNUT CHEEKS, CRIMSON LACE, CRIMSON REPEATER, DECEMBER GARNET, EXOTIC FIRE, FLOUNCED FANTASIA, GLORIOUS TWO-TIMER, GOLD BULLION, HORNED DRAGONFLY, JUMBO ROSE, MOON RANGER, PINK TASSEL, PRIDE OF SUMMER, ROYAL DAMSEL, SCARLET ADVENTURE, SCARLET BEAUTY, SPOONED BLAZE, SPOONED HARMONY, SPURRED PREMIERE, WINTER GIANT, WINTER GOLD.

BABSON, SANFORD L., 35107 Road 180, Visalia, Calif.

AD ASTRA, BERCEUSE, CHARADE, CONFECTION, CREDO, EPIC, TATTOO.

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HELLO DOLLY, MEADOWLARK HILLS, MOCKINGBIRD LANE, RESTLESS WIND, SWEET FOREVER.

BARR, MRS. AVEN, 8519 E. Hogan Rd., Fenton, Mich. 48430

BIG MEDICINE.

BAY VIEW GARDENS, 1201 Bay St., Santa Cruz, Calif. 95060

BEARD, MYRON C., 112 Hamilton Ave., Akron, Ohio, 44304

TEMPLED HILLS.

BENSON, CLIFFORD W., R. 3, Baxter Rd., Chesterfield, Mo. 63017

ICE BOUND, MASCARA, TWENTY FATHOMS.

BERNDT, MRS. J. W., R. 2, Box 455, Stevensville, Mich. 49127

MASTER RICHARD.

BLEDSON, WILLIAM T., R. 4, Fayetteville, Tenn. 37334

BLUSHING SUNLIGHT, GOLDEN OPPORTUNITY, OLIVE LANGDON.

BLOCHER, ANN and CLARENCE, 336 E. Forest Ave., Wheaton, Ill.

CLARION ISLAND, INNSBRUCK, MARQUESAN SKIES, OAK BROOK, U.S.S. CONCORD.

BRANCH, DR. CHARLES E., Piper City, Ill.

ALADDIN'S FIRE, FLAMING PEARL.

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NO. 179

OCTOBER 1965

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2. Participation in the AIS registration and award system is required.
3. Societies having less than 50 percent of their members belonging to AIS, and meeting the other conditions, will be required to pay an *annual* fee of \$25.00.

The names of societies given Affiliate status will be published in the *AIS Bulletin*.

Inquiries and applications for affiliation should be addressed to Mr. Hubert A. Fischer, Meadow Gardens, 63rd St., Hinsdale, Ill. 60521.

TO SECRETARIES OF AFFILIATES: Please report promptly the names and addresses of new presidents to the Editor as well as to Mr. Fischer.

# *From the President's Desk*

My term of office comes to a close this fall so this is my "swan song." The past three years have been a wonderful experience and I could not ask for a better group to work with. However, I will be glad to get back to the rank of "buck private" so I can try my hand at hybridizing once more and can enjoy my iris friends.

In looking back over the past three years, I regret to have to admit to stepping on some "toes," but unfortunately this is one of the prices we have to pay for progress. Not everything was accomplished that we had hoped for, but a number of worthwhile advances have been made.

The National Test Garden program was activated during this period and is beginning to prove its worth. This past spring the Regional Test Garden program was activated and it is now off the "launching pad." Just as soon as Test Gardens are established in each Region, this program should be of great value not only to the hybridizers but also to all AIS members.

The Judges Training Program was started and is beginning to prove its worth in the upgrading of the quality of the judging. This improvement will continue as better trained judges are appointed each year. The number of judges training seminars held each year is increasing and today a number of the Regions are holding judges training seminars in the fall as well as in the spring of the year. In connection with the Judges Training Program, The Judges Handbook has been revised and now is off the press. Copies are available for members and the winter months are a perfect time for you to study and familiarize yourself with the new Judges Handbook. It will prove of value to every AIS member as well as to the judges.

The number of votes required to win an Honorable Mention Award has been increased for the Tall Bearded, the Standard Dwarf Bearded and the Border Bearded irises. It is hoped that this increase will be broadened to cover all classes of irises in the near future. In line with the increase in the number of votes required to win an Honorable Mention Award by the Standard Dwarf Bearded and the Border Bearded irises, plans are under way to activate the Award of Merit for these groups and to elevate their present special awards to the status of medals. In time the Award of Merit will be activated for all classes of irises.

A number of programs for the advancement of AIS are in the mill and I feel sure your new president will do everything in his power to improve your Society.

ROBERT S. CARNEY

# Awards of the American Iris Society, 1965

MRS. WALTER H. BUXTON  
*Chairman, Awards Committee*

Approximately eighty-two per cent of the accredited garden judges cast ballots this year. Six hundred three judges, including three foreign judges, cast on-time ballots. Eighteen ballots were received too late to be counted.

Subject to approval by the Board of Directors at the fall meeting, the 1965 award winners are:

## THE DYKES MEDAL

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
Pacific Panorama	Neva Sexton	128
<i>Runners-up</i>		
Rippling Waters	Orville Fay	96
Henry Shaw	Clifford W. Benson	50
Orange Parade	Melba Hamblen	31
Fluted Haven	Serlena Reynolds	22

## THE MARY SWORDS DEBAILLON AWARD

### *Louisianas*

Frances Elizabeth	Sam Rix	20
<i>Runners-up</i>		
Dixie Deb	Frank E. Chowning	15
G. W. Holleyman	Ruth W. Holleyman	13

## THE CAPARNE AWARD

### *Miniature Dwarf Bearded*

Atomic Blue	Walter Welch	29
<i>Runners-up</i>		
Promise	Paul Cook	25
Sky Caper	Bee Warburton	17

## THE ERIC NIES AWARD

### *Spurias*

Morningtide	Marion Walker	24
<i>Runners-up</i>		
Fluted Buttercup	Tell Muhlestein	19
Wakerobin	Walker Ferguson	15

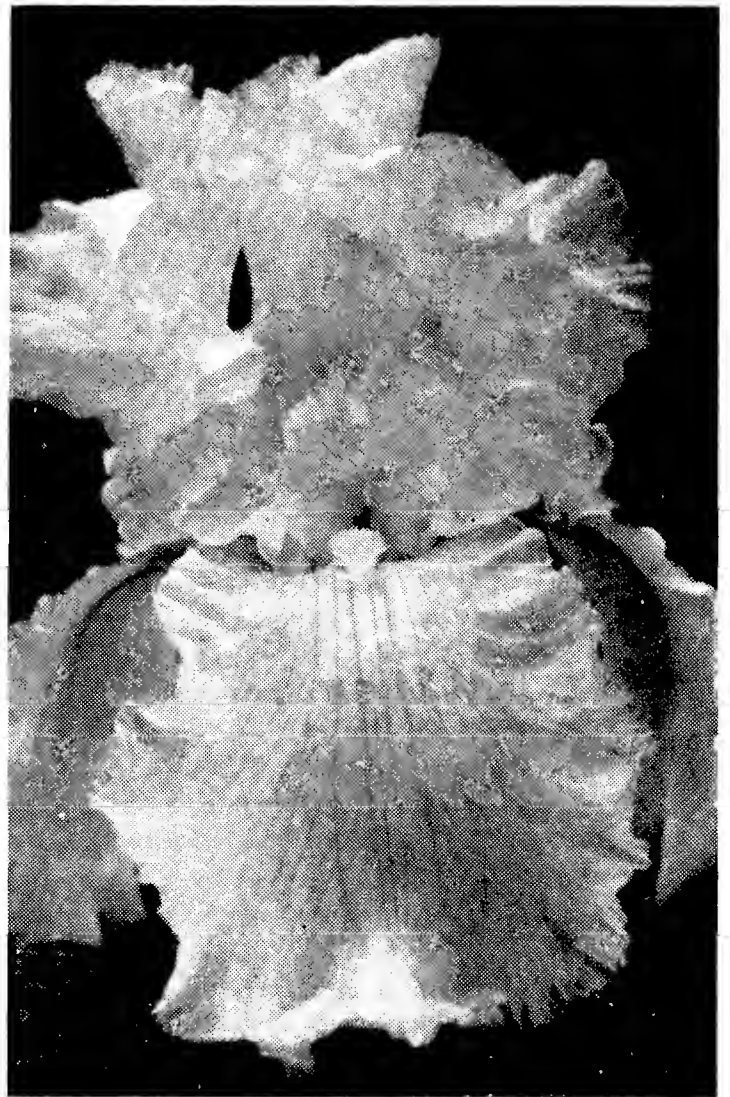
## THE CLARENCE G. WHITE MEMORIAL AWARD

### *Arils and Arilbreds*

Golden Joppa	Jack Linse	48
<i>Runners-up</i>		
Imaret	T. & W. Wilkes	45
Spring Nocturne	Donald J. Boen	30



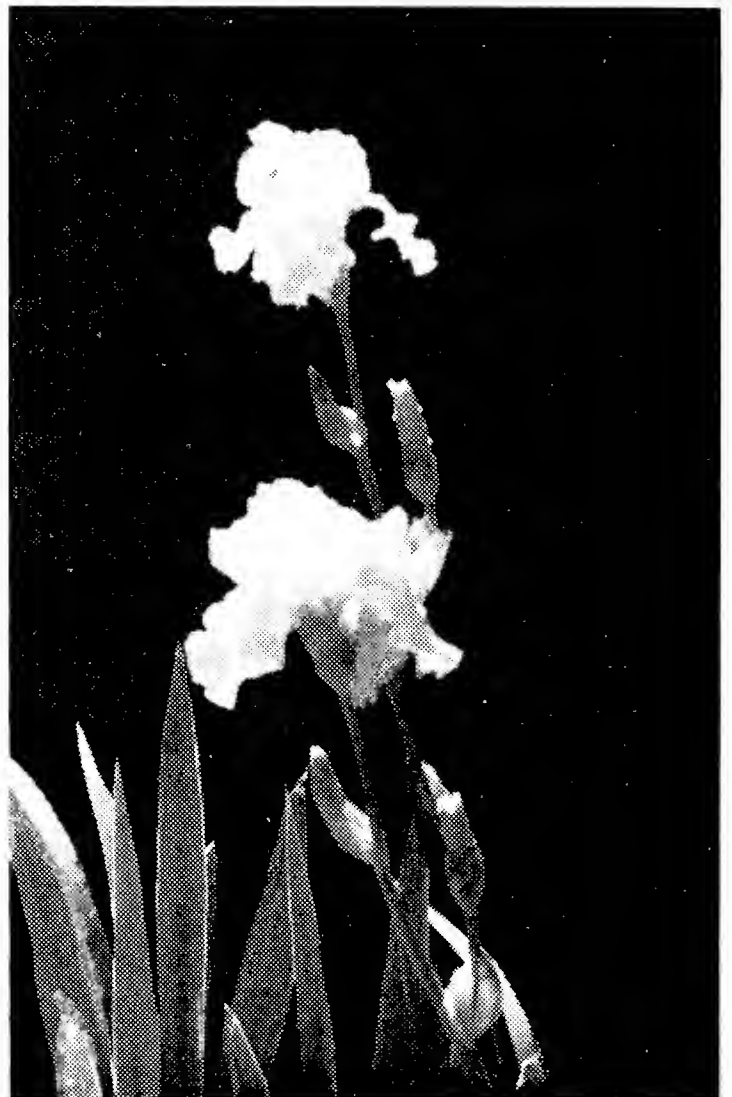
RIPPLING WATERS (Fay '61)



HENRY SHAW (Benson '59)



ORANGE PARADE (Hamblen '61)



FLUTED HAVEN (Reynolds '57)

## THE COOK-DOUGLAS AWARD

### *Standard Dwarf Bearded*

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
Easter Holiday	Dr. J. R. Durrance	50
<i>Runners-up</i>		
Lemon Flare	Tell Muhlestein	39
Zing	Mildred Brizendine	32
Knotty Pine	John Goett	25
Little Gremlin	David F. Hall	24

## THE KNOWLTON AWARD

### *Border Bearded*

Bayadere	Opal Brown	51
<i>Runners-up</i>		
Little Reb	Mildred Brizendine	35
Little Sir Echo	Charles Tompkins	33
Chocoleto	Crescent Deru	24

## THE HANS AND JACOB SASS AWARD

### *Intermediate Bearded*

Cutie	Schreiners	89
<i>Runners-up</i>		
Lime Ripples	Alta Brown	72
Little Angel	Gordon Plough	29
First Lilac	Wilma Greenlee	15

## THE MORGAN AWARD

### *Siberians*

Violet Flare	Fred W. Cassebeer	47
<i>Runners-up</i>		
Cool Spring	W. M. Kellogg	26
Royal Ensign	H. R. Hall	24
Blue Brilliant	Fred Cassebeer	13

## THE COOK-LAPHAM BOWL

### *Red Irises*

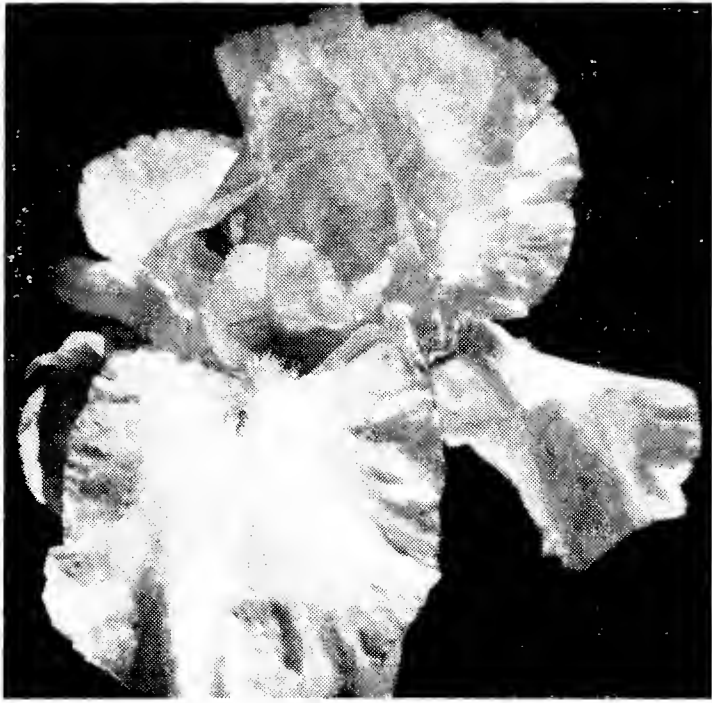
Tomeco	Mrs. Glen Suiter	68
<i>Runners-up</i>		
Bang	Tom Craig	47
Gypsy Jewels	Schreiners	39
Main Event	Les Peterson	27

## THE CLARA B. REES AWARD

### *White Tall Bearded Iris*

HENRY SHAW	Clifford W. Benson	96
<i>Runners-up:</i>		
WINTER OLYMPICS	Opal Brown	89
CELESTIAL SNOW	Bro. Charles Reckamp	66
FLUTED HAVEN	Serlena Reynolds	45

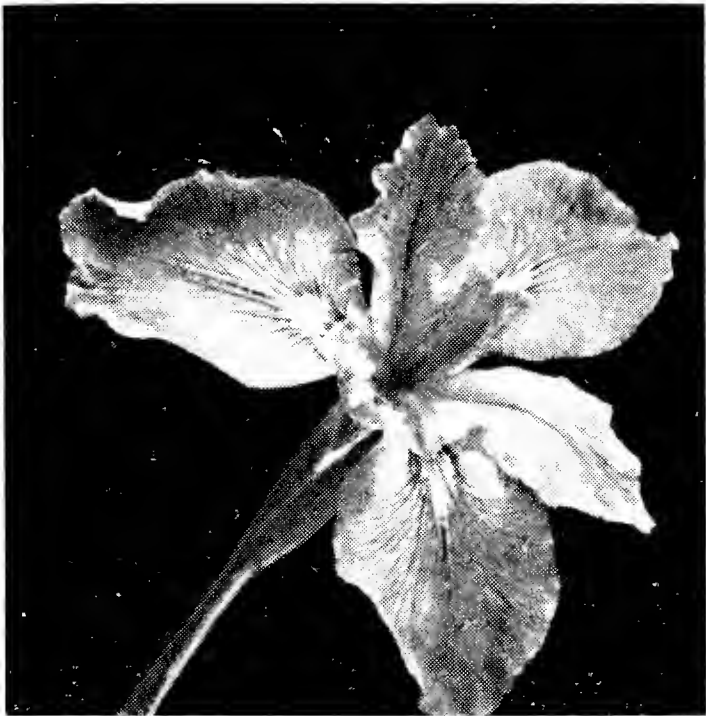




GOLDEN JOPPA (Linse '58)



BAYADERE (Opal Brown '62)



FRANCES ELIZABETH (Rix '61)



CUTIE (Schreiner '62)



TOMEKO (Suiter '59)



ATOMIC BLUE (Welch '61)

## THE AWARD OF MERIT

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
Ultrapoise	Luella Noyd	250
Wild Ginger	James Gibson	233
Dark Fury	Walter Luihn	219
Chinese Coral	Orville Fay	180
Blue Baron	Schreiners	146
Gracie Pfof	Eva Smith	100
Martel	Tell Muhlestein	83
Helen Traubel	Cliff W. Benson	82
Fifth Avenue	Melba Hamblen	78
Lilting Melody	Dorothy Palmer	68
Christmas Angel	Fred DeForest	66
Sparkling Waters	Schreiners	66
<i>Runners-up</i>		
Celestial Sunlight	Bro. Charles Reckamp	65
Goodness	Sanford L. Babson	65
Real Delight	Donald Waters	65
Van Cliburn	Cliff W. Benson	65
September Song	Melba Hamblen	63
Crinkled Beauty	Schreiners	61
Breathless	Carl Schirmer	58
Glamorous	Gordon Plough	57
My Honeycomb	James M. Gibson	56
Pacific Harmony	Collie S. Terrell	56
Tomeco	Mrs. Glen Suiter	56
White Pride	Dr. C. E. Branch	55

## HONORABLE MENTION

### *Tall Bearded Varieties*

Skywatch	Cliff W. Benson	215
Stepping Out	Schreiners	200
Champagne Music	Orville Fay	170
Arctic Fury	Cliff W. Benson	139
Prince Indigo	Schreiners	139
Java Dove	Gordon Plough	121
Kingdom	Orville Fay	89
Prairie Blaze	James Marsh	78
Orange Chariot	Orville W. Fay	77
Denver Mint	Maynard Knopf	74
Crystal Blue	Schreiners	65
Tahiti Sunrise	Larry Ernst	65
Leora Kate	Eugene Buckles	62
Crystal River	Gordon Plough	60
High Life	Schreiners	57
Malacca Straits	D. Johnson	54
Blue Mountains	Schreiners	53
Amigo's Guitar	Gordon Plough	50
Christie Anne	Larry Gaulter	50
Village Green	Georgia Hinkle	50

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
Sunsite	Gordon Plough	47
Craftsman	Maynard Knopf	46
Gringo	Keith Keppel	46
Heartbreaker	Dave Hall	42
Rosa Bledsoe	William Bledsoe	42
Wild Peacock	Tell Muhlestein	42
Royal Tapestry	Schreiners	41
Beloved Belinda	Georgia Hinkle	39
Imperial Lilac	Schreiners	39
Nittany	M. Hunter	39
Catalina	Schreiners	32
Romulus	Dave Hall	32
Western Sun	Fisher Harris	32
Checkmate	Chet Tompkins	31
Happy Holiday	William Schortman	31
Tyrolean Blue	Schreiners	30
Blue Formal	William Schortman	29
Lynn Reid	Jack Durrance	29
Silver Peak	Fred DeForest	29
Azure Accent	Jack Durrance	28
Heart of Night	Collie Terrell	28
Regal Ruffling	Bro. Charles Reckamp	28
Jet Fire	Chet Tompkins	27
Mount Repose	Arthur Watkins	27
Picture Pretty	Luella Noyd	27
Pink Dresden	G. W. Madsen	26
Azure Stripes	Joe Hoage	25
Charm School	Dorothy Palmer	25
Courtship	Cliff Benson	25
Apropos	Sanford Babson	24
Blushing Beauty	Luella Noyd	24
City of Porterville	William Schortman	24
Cora Lee White	Roy White	24
Dream Maiden	Eva Smith	24
Maricopa	Keith Keppel	24
Meadow Snow	Hubert Fischer	24
College Girl	Z. G. Benson	23
El Monsour	Dave Hall	23
Idaho Centennial	Eva Smith	23
Modern Trend	Jeannette Nelson	23
Queen's Favor	Dorothy Palmer	23
Tam Lin	Esther Tams	23
Treasure Trail	Chet Tompkins	23
Dear Bob	Georgia Hinkle	22
Fleet Admiral	Chet Tompkins	22
Pink 'n' Pretty	Neva Sexton	22
Fair and Warm	Gordon Plough	21
Momauguin	Ruth A. Stephenson	21
Rosecrest	Dave Hall	21

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
Enterprise	C & K Smith	20
First Courtship	Joe Ghio	20
Pay Day	Chet Tompkins	20
Far Above	Dr. L. F. Randolph	19
Peace Patrol	Gerhard Carlson	19
Polka Lace	William Schortman	19
Ruth's Love	Neva Sexton	19
Coral Elegance	William Bledsoe	18
Floradora Flounce	J. M. Gibson	18
Lovely Light	Chet Tompkins	18
Pink Flurry	Marilyn Sheaff	18
Quiet Sky	Paul Cook	18

### HONORABLE MENTION

#### *Varieties Other Than Tall Bearded*

#### STANDARD DWARF BEARDED

Velvet Caper	Bee Warburton	30
Baby Snowflake	Adelaide Peterson	24
Eye Shadow	Earl Roberts	23
Rickshaw	Ben Hager	20
Bronze Babe	Alta Brown	19
Gold Buttons	Melba Hamblen	19
Nylon Rose	Doriot-Reath	18
Bright Delight	Dr. L. F. Randolph	15
Dessert	Bee Warburton	14
Fi-Lee	Wilma Greenlee	13
Moonblaze	Adelaide Peterson	13
Spring Fern	Earl Roberts	13
Sunny Heart	Alta Brown	13
Dark Caper	Bee Warburton	10
Ruffled Imp	Alta Brown	10
Spring Fairy	Alta Brown	10

#### MINIATURE DWARF BEARDED

Chickadee	Bennett Jones	22
Hula Doll	Alta Brown	16
April Frost	Alta Brown	15
April Sun	Alta Brown	13
Jasper Gem	Walter Welch	11
Little Redskin	Eva Smith	11
Claire's Joy	Alta Brown	10
Orchid Elf	Alta Brown	9
Toni Lynn	Eva Smith	8
Cream Supreme	Walter Welch	7
Dream Stuff	Leona Mahood	7
Ivory and Ink	Eva Smith	7
Little Atom	Eva Smith	7
Winking Star	Wilma Greenlee	7
Fannie R	Irene Van de Water	5

## MINIATURE TALL BEARDED

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
First Time	Walter Welch	5
Topsy Turvey	Walter Welch	5

### ARIL AND ARILBRED

Sir Gordon	Flora McGee	25
Little Sheba	Thornton Abell	15
Aril Charmer	Doris Foster	9
Flurry of Nepal	Henry Danielson	9
Aril Beauty	Doris Foster	8
Platinum Diamond	Henry Danielson	7
Nomo	C. F. Nave	5

### SIBERIAN

Pirouette	Fred Cassebeer	13
Snow Flare	Grace Carlson	5

### LOUISIANA

Honey Bunch	G. Holleyman	12
Blue Duke	C. Army, Jr.	9
Pegaletta	G. Holleyman	9
Rose Royal	S. Conger	7
Mrs. Mac	C. Army, Jr.	6
Potato Chip	C. Army, Jr.	6
Solar Light	C. Army, Jr.	6

### SPURIA

Elixir	Ben Hager	19
Essay	Ben Hager	12
Neophyte	Ben Hager	12
Gold Corsage	Dr. Philip Corliss	6
Anacapa	Marion Walker	5
Red Step	Tell Muhlestein	5
White Corsage	Dr. Philip Corliss	5

### INTERMEDIATE BEARDED

Drummer Boy	Schreiners	59
Maroon Caper	Bee Warburton	30
Proper Lemon	Bee Warburton	24
Elfin Antique	Earl Roberts	19
Arctic Blue	Alta Brown	17
Back Talk	Ben Hager	17
Chit Chat	Ben Hager	15
Small Ripple	Melba Hamblen	15
Elfin Royale	Earl Roberts	11
Frosty Lemonade	Adelaide Peterson	10
Indeed	Ben Hager	10
Arctic Dream	Alta Brown	9
Arctic Mystery	Alta Brown	9
Doll Type	Ben Hager	9
Tamino	Schreiners	9
Dream Maker	Earl Roberts	8

<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
Whitchee	Wilma Greenlee	6
Arctic Rose	Alta Brown	5
Crystal Mint	Alta Brown	5
Pink Pride	Alta Brown	5
Velvet Gold	Tell Muhlestein	5

### BORDER BEARDED

Blue Miller	Tom Brown	55
Small Talk	Neva Sexton	46
Native Daughter	Luella Noyd	23
Peebles	James Tucker	18
Marcy Dee	Tell Muhlestein	18
Little Lynn	Marilyn Sheaff	17
Hob Nob	F. E. Hutchings	15
Border Frills	Alta Brown	14
Little Kiowa	Z. G. Benson	12
Spring's Return	Z. G. Benson	12
Vibrant Charm	Luella Noyd	11
Fairy Frost	Eugene Sundt	11

### JAPANESE

Leave Me Sighing	F. Maddocks	14
Star at Midnight	R. A. Rich	12
Azure Ruffles	W. Marx	9
Vestral Trident	C. A. Swearengen	7
Prima Ballerina	W. A. Payne	6
Gay Gallant	W. Marx	5
Jewelled Beauty	W. A. Payne	5

### HIGH COMMENDATION

<i>Originator</i>	<i>Seedling or Variety</i>	<i>Votes</i>
Army, C.W.	23-BU-65	6
Ackerman, Jay C.	A 164-B	6
Albright, Margaret	22-61-A	7
	22-61-B	6
Babson, Sanford	M 15-13	7
	M 29-7	12
	M 74-5, CHARADE	8
	CAMBODIA	6
Benson, Clifford W.	65-34	11
	65-7A	9
	65-23	9
	65-16	7
Bledsoe, W.T.	GOLDEN OPPORTUNITY	14
	61-30	7
	62-36	5

<i>Originator</i>	<i>Seedling or Variety</i>	<i>Votes</i>
Brizendine, Mildred	41-62	5
Brown, Opal	4-7A-20	9
	DRAGON LADY	6
	SILVER TRAIL	5
Brown, Frances	61-36B	7
	61-23	5
Buckles, Eugene	6325	8
	6365	9
	927	5
Cassabeer, Fred	3-J-1-1	10
Christenson, Ed.	12759	5
Cook, Emma	Rio Roso	8
Corlew, Glenn	218-3A	5
	AA-114-1	7
Corey, Miriam	AA-78	7
	Z-71-1	8
	44 AA	6
	BLUEBELL LANE	6
DeForest, Mrs. Fred	58-21-2	23
Dubes-Young	D 65-1	7
Durrance, Dr. J. R.	D 65-2	7
	63-1	6
Fay, Orville	62-22	5
	62-1, GOLDEN PLUNDER	18
	63-18	5
Ferguson, Walker	61181-3	5
Flanagan, Lyn	6170	5
	59-2A	5
Fraser, Dr. L. E.	58B-18	5
Fuller, Mrs. Ray	7A-60	5
Gadd, F. W.	2764-1	9
Gaskell, Ferris	G62-85	19
Gaulter, Larry	G 63-100	13
	G 63-115	15
	LAURIE (63-111)	13
	MT. EDEN	5
Ghio, Joe	37-1PFA	15
Gibson, J. M.	55-2PA	5
	4-6-P-6	5
	G 65-8	7
Gordon, C. P.	293	6
Hansen, Cleta	336	5
	S109C	7
Hager, Ben	S125A	10
	S90A	5
	60-29	7
Hagberg, Marge	H-603-10	21
Hamblen, Melba	ROYAL TARA	7
Harbour, Bess	605	5
Hazzard, A. H.		

<i>Originator</i>	<i>Seedling or Variety</i>	<i>Votes</i>
Henkelmann, H.	61-20	12
Himottu, Waino	60-15A	5
Hinkle, Georgia	IRISH DREAM	8
	EVE	5
	T-23-5	5
Holleyman, G. W.	QUEEN OF QUEENS	7
Hooker, Lerton	32-73	5
Hoffmeister, P. & J.	63-14-4	5
Hutchings, F. E.	62-190H	5
Jenson, Selma	464	5
Jones, Bennett	20-2	13
	601-1	9
	655-1	5
	575-1, CARNIVAL GLASS	6
Johnson, Lillian	J 3-25	6
Johnson, Tom	J 62-56A	5
	J 62-56C	5
	2B-264	5
Keppel, Keith	60-33A	18
	62-40A	12
	61-48D	8
Knocke, Dr. F. J.	K 44	15
Knopf, Maynard	64-29	5
	63-45	5
Lapham, Greig	15-62	21
Leavitt, Melvin	D-1	5
Luihn, Walter	63 FSB	5
Marsh, James	63-52	6
	62-41	6
	62-4	5
Markham, Lynn	61-9-G2	9
Mayberry, George	59-19-1-65	5
	59-1	5
Maughn, Margaret	60-25	5
Minniek, C. Robert	M-19	8
	61-254-1	5
Minniek, Evelyn	M-6	5
Moldovan, Steve	61-38	8
	60-17	5
Muhlestein, Tell	23A	8
	119	5
	23E	5
Nacke, Fred	MISS RICHLAND	5
Neugebauer, John F.	PEASANT'S PRIDE	9
	DIAMOND CUT	5
	TWILIGHT MIST	5
Nesmith, Elizabeth	74-46	5
Olson, Marvin	61-2E	5
	62-55A	11



<i>Originator</i>	<i>Seedling or Variety</i>	<i>Votes</i>
	65-20A	7
	65-17A	8
	63-29A	6
	63-24A	5
Palmer, Dorothy	4562A	10
	3165A	10
	3965D	12
	3965F	10
	11965A	11
Patin, Jules	TREECIE	6
Pickard, Cora M.	59-24	5
	1628	5
	262	5
Peterson, Les	64-164	6
	65-10	5
Quadros, Carl	LITTLE MARK	5
Randolph and Pride	CLOUDLAND	6
Reckamp, Bro. Charles	59-12	5
Reynolds, Serlena	PERFECT PINK HAVEN	5
Reinhardt, Mattie	D 6210	5
Riley, J. O.	62-3	7
	62-4-1	7
Roach, Laura	62-12A	7
	62-38C	5
Rudolph, Nate	62-06	5
	62-54, YELLOW RUFFLES	9
	63-31, CRYSTAL BLAZE	5
	62-60, WHITE TAFFETA	6
Scharff, Jake	S-56-51-2B	26
	60-49-1	16
	57-34-1	5
Schortman, W. B.	4-182A	6
	ECHO ONE	5
Schreiners	S 529F, TUXEDO	6
	T 71A	18
	ROYAL TOUCH	9
	T 78-C	5
	R 930-1	5
	S 229A	5
	A-25-4-9 FAVORITE TOPIC	10
Sexton, Neva	62-67	12
	60-55	6
	88-62	6
	60-58	5
Shoop, George	59-10	6
Smith, C. & K.	64-21	7
Spence, Herb	62-10-4E	6
	62-2-4E	5
Tams, Esther	T15-64	5
		19

<i>Originator</i>	<i>Seedling or Variety</i>	<i>Votes</i>
	62-8-1	12
Tolman, Bion	62-141-1	5
Terrill, Collie	T60-83	9
	RETA FRY	7
Tompkins, Chet	RESTLESS WAVES	5
	63-83, SILENCE	5
Verner, Steve	320, NIGHT TRAIN	8
	3159	5
Watkins, Arthur	59-3A	7
Wickersham, Paul	51-60-2	9

## Judges' Choice 1965

MRS. WALTER H. BUXTON  
*Chairman, Awards Committee*

Following are the results of the thirteenth annual Judges' Choice balloting. Varieties eligible this year were the winners of the Honorable Mention Award in 1964 and 1965. Ballots were received from 487 judges. Seven of these were late, three had no name signed, and three were not marked correctly.

<i>Place</i>	<i>Variety</i>	<i>Originator</i>	<i>Votes</i>
1	WINTER OLYMPICS	Opal Brown	256
2	STEPPING OUT	Schreiners	221
3	SKYWATCH	Clifford W. Benson	206
4	CHAMPAGNE MUSIC	Orville Fay	165
5	RIBBON ROUND	Chet Tompkins	159
6	STERLING SILVER	Steve Moldovan	156
7	ARCTIC FURY	Clifford W. Benson	137
8	CROSS COUNTRY	Dr. Frederick Knocke	133
9	CORABAND	Melba Hamblen	126
10	PRINCE INDIGO	Schreiners	125
11	MISSION SUNSET	Bro. Charles Reckamp	118
12	FLAMING HEART	Orville Fay	110
13	CLAUDIA RENE	Larry Gaulter	108
14	WINE AND ROSES	David Hall	108
15	JAVA DOVE	Gordon Plough	99
16	MUSIC MAKER	Don Waters	90
17	MOON RIVER	Neva Sexton	77
18	ELLEM MANOR	Clarence Blocker	75
19	KINGDOM	Orville Fay	75
20	EVER AND EVER	Ione Hope	69
21	DENVER MINT	Maynard Knopf	67
22	GAILY CLAD	Jeanette Nelson	66
23	GYPSY JEWELS	Schreiners	65
24	WENATCHEE SKIES	Luella Noyd	63
25	DANCING BRIDE	Nathan Rudolph	62

*Runners-up receiving 33 or more votes:*

PRAIRIE BLAZE (Marsh)	59	TAHITI SUNRISE (Ernst)	46
SING ALONG (Plough)	59	CRYSTAL BLUE (Schreiner)	44
TRITON (Julander)	58	ROYAL TAPESTRY (Schreiner)	44
BON VIVANT (Plough)	55	LUZON CROSBY (Muhlestein)	38
COMMENTARY (Babson)	54	VILLAGE GREEN (Hinkle)	38
CONGO SONG (Christensen)	54	HEARTBREAKER (D. Hall)	37
BILLOWING SAILS (Palmer)	53	MIDNIGHT SHADOWS (Terrell)	37
LUNAR FIRE (D. Hall)	52	NITTANY (Hunter)	36
LEORA KATE (Buckles)	51	HIGH LIFE (Schreiner)	35
MORNING BREEZE (Fay)	51	JUDY MARSONETTE (D. Hall)	35
BLUE BALLAD (Branch)	49	AMIGO'S GUITAR (Plough)	33
MALACCA STRAITS (Johnson)	49	CHRISTIE ANNE (Gaulter)	33
CRYSTAL RIVER (Plough)	47	POMPANO PEACH (Schreiner)	33
ECSTATIC NIGHT (Cook)	47		

*Iris es other than tall bearded which received 22 or more votes:*

*Standard Dwarf Bearded:*

BLUEBERRY	
MUFFINS (Warburton)	88
CIRCLETTA (Goett)	32
GOLD BUTTONS (Hamblen)	30
NYLON LOVELINESS	
(Doriot-Reath)	24
VELVET CAPER (Warburton)	22

*Miniature Dwarf Bearded:*

SKY CAPER (Warburton)	28
BUMBLE WINGS (E. Smith)	25

*Arils and Arilbreds:*

TRISHA (McGee)	47
SAFFRON JEWEL (Abell)	34
LITTLE SHEBA (Abell)	30

SIR GORDON (McGee)	29
ANGELIQUE (Batson)	24

*Miniature Tall Bearded:*

ZIMBRAKEET (Roberts)	25
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*Intermediate Bearded:*

DRUMMER BOY (Schreiner)	95
MAROON CAPER (Warburton)	24
DARK EDEN (A. Brown)	22

*Border Bearded:*

BLUE MILLER (T. Brown)	68
SMALL TALK (Sexton)	58
LA NINA ROSA (Sundt)	48
NATIVE DAUGHTER (Noyd)	26
GLACIER BAY (B. Jones)	24



VIOLET FLARE (Cassebeer '59)

# POPULARITY POLL, 1965

## *The Twenty-sixth Official Symposium*

MRS. WALTER H. BUXTON  
*Chairman, Awards Committee*

Following are the results of the Popularity Poll conducted by members of American Iris Society to determine the one hundred favorite iris varieties of the year from 481 varieties listed on the ballot.

Twenty-six newcomers have found their way into the list for the first time. They are: WINTER OLYMPICS (33), CHRISTMAS ANGEL (56), GRACIE PFOST (62), GOODNESS (63), MUSIC MAKER (67), RIBBON ROUND (68), TRITON (68), BLACK CHARM (70), HICKORY SMOKE (71), BRIGHT CLOUD (73), ILLINI GOLD (73), CROSS COUNTRY (79), BRAVE VIKING (80), MIDNIGHT WALTZ (82), ROSE HERMOSA (82), SEPTEMBER SONG (85), LUZON CROSBY (87), MAIN EVENT (87), PICORA PINK (87), SOARING KITE (87), FAIR LUZON (87), SPARKLING WATERS (92), MARTEL (92), CLAUDIA RENE (97), DOCTOR K (97), FIFTH AVENUE (97).

Those they replace are: POLKA TIME, TAHOLA, CARIBOU TRAIL, VALIMAR, COURT BALLET, DREAMY, BRONZE BELL, POET'S DREAM, CURL'D CLOUD, ALLAGLOW, BLACK HILLS, CASCADIAN, CASHMERE, DEMETRIA, TOP FLIGHT, JUNGLE FIRES, MY HONEYCOMB, ENCHANTED VIOLET, MISS INDIANA, OLA KALA, WABASH, MEMPHIS LASS.

The favorite one hundred varieties this year, their position last year, and the number of votes cast for each, are as follows:

<i>Position</i>		<i>Variety</i>	<i>Votes</i>	<i>Position</i>		<i>Variety</i>	<i>Votes</i>
1965	1964			1965	1964		
1	1	AMETHYST FLAME	839	19	23	HENRY SHAW	311
2	4	ALLEGIANCE	793	20	20	SABLE NIGHT	302
3	3	BLUE SAPPHIRE	706	21	28	INDIGLOW	283
4	2	WHOLE CLOTH	662	22	9	FROST AND FLAME	275
5	8	RIPPLING WATERS	592	23	21	HAPPY BIRTHDAY	236
6	7	VIOLET HARMONY	556	24	36	ESTHER FAY	222
7	5	CELESTIAL SNOW	469	25	37	GYPSY LULLABY	214
8	16	ORANGE PARADE	449	26	17	MARY RANDALL	197
9	19	PACIFIC PANORAMA	443	27	100	ULTRAPOISE	180
10	12	ROCOCO	440	28	30	CELESTIAL GLORY	165
11	15	DOT AND DASH	394	29	26	TECHNY CHIMES	152
12	14	OLYMPIC TORCH	393	30	25	BLACK TAFFETTA	133
13	24	WILD GINGER	354	31	29	EMMA COOK	132
14	11	ELEANOR'S PRIDE	353	32	56	LICORICE STICK	130
15	6	MELODRAMA	351	33		WINTER OLYMPICS	129
16	18	RAINBOW GOLD	339	34	66	UTAH VALLEY	128
17	10	BLACK SWAN	336	35	48	FLUTED HAVEN	128
18	13	EDENITE	319	36	57	CAYENNE CAPERS	118

<i>Position</i>		<i>Variety</i>	<i>Votes</i>	<i>Position</i>		<i>Variety</i>	<i>Votes</i>
1965	1964			1965	1964		
37	34	FIRST VIOLET	113			TRITON	31
38	40	CHINESE CORAL	112	70		BLACK CHARM	29
	39	DARK FURY	112	71		HICKORY SMOKE	28
40	43	BANG	93		54	LULA MARGUERITE	28
41	21	BUTTERSCOTCH KISS	91	73	70	ARCTIC FLAME	27
42	46	CAPTAIN GALLANT	90			BRIGHT CLOUD	27
43	33	GALILEE	87			ILLINI GOLD	27
44	37	SWAN BALLET	86		67	PINNACLE	27
	50	TRULY YOURS	86	77	76	REHOBETH	26
46	32	GLITTERING AMBER	80	77	98	ARGUS PHEASANT	25
	47	SNOW GODDESS	80	79		CROSS COUNTRY	23
48	31	BRASS ACCENTS	70	80		BRAVE VIKING	22
49	41	CHINQUAPIN	69		75	GOLDEN GARLAND	22
50	35	LIMELIGHT	64	82	78	LADY MOHR	21
	42	PIERRE MENARD	64			MIDNIGHT WALTZ	21
52	76	HIGH ABOVE	63			ROSE HERMOSA	21
53	52	DOTTED SWISS	61	85		SEPTEMBER SONG	20
54	59	WAYWARD WIND	59	86	44	DAWN CREST	19
55	72	ELMOHR	55	87		LUZON CROSBY	18
56		CHRISTMAS ANGEL	52			MAIN EVENT	18
57	52	MILLIONAIRE	49			PICORA PINK	18
58	71	ONE DESIRE	46		87	PIETY	18
59	80	BELTON BEAUTY	41			SOARING KITE	18
60	60	BRAVADO	39	92	94	BLUE RHYTHM	17
	69	SYMPHONY	39			FAIR LUZON	17
62		GRACIE PFOST	38			MARTEL	17
63	91	CATHEDRAL BELLS	36		97	PRETTY CAROL	17
		GOLDEN				SPARKLING WATERS	17
	65	MASTERPIECE	36	97		CLAUDIA RENE	15
		GOODNESS	36			DOCTOR K	15
66	57	BLUE BARON	34			FIFTH AVENUE	15
67		MUSIC MAKER	33		48	INCA CHIEF	15
68		RIBBON ROUND	31				

## 1965 NATIONAL TEST GARDEN REPORT

DR. R. C. ALLEN, *Chairman*  
National Test Garden Committee

Altogether 64 members of the AIS were involved in the National Test Garden Program in 1965, including the judges, botanical gardens and individuals who entered their HC winners back in 1963. This season more new entries have been sent for test than in the past so there will be a good group of seedlings to complete their test period in 1967.

The complete report is too detailed to print in the BULLETIN but a copy will be mailed on request by Dr. R. C. Allen, Kingwood Center, P. O. Box 1186, Mansfield, Ohio 44903.

Two seedlings had sufficiently high and complete scores to be recommended to the Board to receive the 1966 National Test Garden Award. If approved by the directors the awards will be presented at the convention in Newark.

<i>Seedling No.</i>	<i>Hybridizer</i>	<i>Average Total Score</i>
57-428	Dr. Ralph W. Adams	75.7
D60-90	Dr. John Durrance	73.1

To be eligible for entry in the National Test Gardens a seedling must have received an HC or a Regional Test Garden award and must be entered not later than its year of introduction.

## AWARDS IN ENGLAND 1965

Dykes Medal.....	MARY TODD .....	Randall
Souvenir de M. Lemon Trophy.....	CHILTERNGOLD .....	Patton
Hugh Miller Trophy.....	BANBURY WELCOME .....	Mrs. Brummitt
Romney Miller Trophy.....	GALILEE	

## THE BRITISH IRIS SOCIETY *RHS-BIS Awards 1965*

### SELECTED FOR TRIAL RHS, WISLEY

ANNIVERSARY	GYPSY JEWELS
BLACK SWAN	IMPERIAL LILAC
BLUE SPINEL	MARIE PHILLIPS
BRONZE BELL	MORNING BREEZE
CORABAND	MOUNTAIN MUSIC
DOCTOR K.	PACIFIC PANORAMA
DR. WANLASS	RED CAP
EVER AND EVER	RIPPLING WATERS
FAIRY FABLE	RUDOLPH SEEDLING
FONA	SEPTEMBER SONG
FRIENDSHIP	SOARING KITE
GRANADA GOLD	TULARE
ALREADY	BEE WINGS
FABIA	LILLIPINKPUT
RIO TULARE (Pacific Coast Iris)	

### HIGHLY COMMENDED RHS

BLUE FROST (Doriot)	ORCHID FLARE (Mahood)
ACOLYTE (Taylor)	SCINTILLA (Fothergill)
SOLENT BREEZE (Taylor)	WIDECOMBE FAIR (Taylor)

### AWARD OF MERIT

FOREST LIGHT (Taylor)	LEMON FLARE (Muhlestein)
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# IRIS PREMIATE 1965

1° premio—Premio Firenze Fiorino d'oro	LORNA LEE (rosa) J. M. Gibson
2° premio—Gran Diploma D'Onore Medaglia E.P.T. Coppa Piaggio per precoci	BLUE FORMAL (celeste medio) W. Schortman
3° premio—Diploma D'Onore Coppa Ass. Industriali Coppa Camera Comercio	LOVELY LIGHT (albicocca) Chet Tompkins
4° premio—Menzione Onorevole	ORCHID FRINGE (lilla rosato) Rex and Alta Brown
5° premio—Menzione Onorevole	SMALL TALK (plicata lilla chiaro) Neva Sexton
6° premio—Menzione Onorevole Coppa Garden Club	WILD APACHE (plicata marrone Mogano) J. M. Gibson
7° premio—Menzione Onorevole Coppa Branch	DARK FURY (porpora scurissimo) Walter F. Luihn
8° premio—Menzione Onorevole	SUNSET CANYON (marrone dorato) David W. Lyon
9° premio	COPPER BROCADE (plicata marrone) J. M. Gibson
10° premio	PICTURE PRETTY (rosato orchidea) Mrs. W. Noyd

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## SYMPOSIUM, MEDIAN IRIS SOCIETY

*STANDARD DWARF BEARDED*: First 25 in 1965 popularity poll

BLUE DENIM	BRASSIE	ROYAL CONTRAST
ZING	EASTER HOLIDAY	FAIRY FLAX
KNOTTY PINE	CIRCLETTE	NYLON RUFFLES
BLUEBERRY MUFFINS	BARIA	DERRING-DO
GOLDEN FAIR	LEMON FLARE	EYE SHADOW
GREEN SPOT	DARK FAIRY	VELVET CAPER
LILLI-WHITE	DALE DENNIS	TINKERBELL
SKY BABY	DEAR LOVE	ELISA BEE
LILLI-VAR		

*INTERMEDIATE BEARDED*: First 25 in 1965 popularity poll

LIME RIPPLES	PROPER LEMON	ALIEN
LILLIPINKPUT	DRUMMER BOY	VANILLA ICE
KISS ME KATE	BLUKEETA	GALAXY
CUTIE	BUTTER BIT	ASTRALITE
FIRST LILAC	BARBI	ALL CLEAR
CLOUD FLUFF	GYPSY FLARE	ARCTIC RUFFLES
LITTLE ANGEL	SUGAR	ELFIN ANTIQUE
BLUE ASTERISK	ARCTIC FLARE	DARK EDEN
MAROON CAPER		

*BORDER BEARDED*: First 25 in 1965 popularity poll

TULARE	LITTLE LYNN	LITTLE DOLLY
LITTLE REB	PAGODA	GLACIER BAY
FRENCHI	PINATA	BLACK AND BLUE
JUNGLE SHADOWS	BLACK FOREST	LITTLE DUDE
YELLOW DRESDEN	LITTLE SAMBO	BLUE FLUTE
TIMMIE TOO	BAYADERE	LITTLE GEM
DEBBIE ANN	BLUE MILLER	BONNIE LASSIE
FAIRY JEWELS	LITTLE SIR ECHO	ELLEN Q
CHOCOLETO		

*MINIATURE TALL BEARDED* (Table Irises): First 10 in popularity poll

PEWEE	TOM TIT	DAINTY DANCER
WIDGET	WARBLER	KALEIDOSCOPE
DAYSTAR	PARAKEET	TWO FOR TEA
DESERT QUAIL		

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## *An Iris Ball for The El Paso Symphony*

PEG GREY

Irises were the stars of one of El Paso's most glamorous social events this spring. In planning their annual fund-raising benefit for the El Paso Symphony Orchestra, the Women's Symphony Committee decided to have an Iris Ball. Mrs. Robert S. Crowell, chairman, and her co-chairmen, Mrs. Jesse Connell and Mrs. Louis Daeuble, Jr., aided by a large corps of Symphony committee volunteers, brought the public's attention to irises in a most unique manner, possibly the first of its kind.

Nearly a year of intricate planning and timing went into this important function on the El Paso area social calendar. Last fall the committee, assisted by Mr. and Mrs. Leslie Hays, sold and distributed thousands of fat rhizomes of fine irises from Schreiner's Gardens, to be grown in El Paso gardens especially for the Iris Ball. The masses of fresh iris flowers, and colorful paper iris blooms, decorated the El Paso Country Club for the gala evening event, held on April 24th. Irises also held the spotlight at a large number of pre-ball parties and festivities.

Dance programs featured an article written several years ago by Mrs. Clarence M. Redford, now of Yuma, Arizona, formerly prominent in El Paso iris activities and a past president of the Spuria Iris Society. Mary Redford notes that the attractive young Iris Ball chairman, Nancy Crowell, has been a favorite friend of the Redfords since her early teens.

The Iris Ball received enormous news media coverage and was described as a truly brilliant benefit affair with proceeds going into the Symphony's sustaining fund. The theme might well lend itself to fund-raising events of many types throughout the United States.



# Inhibitory Effects of Iris Seed Extracts On Germination of Indicator Plants

CARL J. C. JORGENSEN

The physiology of dormancy in iris seed has not been extensively investigated, although many popular articles on the subject have appeared in the bulletins of the American Iris Society. These, in general, have given an account of the failures and successes of various experiments designed to induce more rapid or a higher percentage of germination of seed of tall bearded and other garden irises. Many observations of increased germination have also been reported. As early as 1906, William Crocker reported on the role of seed coats in delayed germination. Sir Michael Foster, the noted English iris breeder, reported in the 1924 Bulletin of the American Iris Society that in his experience relatively few seeds germinate the first year after planting, more the second year, and a yearly continuation at a low germination level for from five to fifteen years. One interesting observation was that seed remained dormant but apparently viable in the seed bed for eighteen years.

Germination records extending over a period of twelve years were published by J. O. Essig, a California iris breeder, in the Bulletin of the American Iris Society in 1934. In it he described the various treatments to induce more rapid and complete germination of garden varieties of irises. These treatments involved over 36,000 seeds. An average germination of 39 per cent resulted. P. Werkmeister, a German worker, reported in 1936 on the possibility of culturing on a nutrient agar the embryos of normal seed and those with poorly developed endosperms. Very limited numbers were involved. In 1943, L. F. Randolph and Leland G. Cox of Cornell University studied factors influencing the germination of iris seed and the relation of inhibiting substances to embryo dormancy. They reported that from 12,000 field-grown seeds, average germination was only 35 per cent. They suggested that failure to obtain high percentage of germination either in nature or by various treatments, were due to the presence of inhibiting substances in iris seed which were highly stable compounds, relatively insoluble in water, and not readily diffusible from the region around the embryo.

In 1955, Lee W. Lenz, in experiments with embryo culture of iris, concluded that delayed germination of iris seed may be due to an inhibitor or inhibitors present in the endosperm or to dormant embryos in the case of the Hexapogons. A technique for overcoming the latter was described. Such workers as R. A. Bernhard in 1959 and M. Evaneri in 1949 have reported on studies of inhibitors present in seeds other than irises. In 1964 J. B. Gressel and L. G. Holm made an interesting study on the effect that weed seed inhibitors have on delaying the germination of crop seed. Water extracts of ground seeds of thirteen weed species delayed germination of some crop seed. In at least one case, this was due to free amino acids diffusing from the weed seed.

These inhibitory compounds present in iris seeds are a serious deterrent to scientific iris breeding. Low germination percentages coupled with delayed emergence of up to 5-15 years has made it virtually impossible to study population ratios and segregation in tall bearded tetraploids as well as other

species. Should it be possible to increase the percentage of germination and reduce the delayed emergence of seedlings, it would aid in controlled breeding and inheritance studies.

This report deals with one phase of a study made here at Colorado State University on determination of the presence of inhibitory substances present in iris seed and ways to isolate and identify them.

#### *Materials, Methods, and Results*

On November 5, 1964, a 25-gram sample of cleaned, tall bearded iris seed of heterogenous parentage was finely ground through a 20-mesh Wiley mill. This sample was then extracted with 100 ml of distilled water at 80°C for one hour, filtered, and made up to 100 ml with distilled water. 250 ml of 95 per cent ethanol was added and allowed to stand for twelve hours at 5°C to precipitate out the mucilaginous components. This precipitate was then removed by centrifuging. The solution was then concentrated to 15 ml to remove all the ethanol and again made up to 25 ml with distilled water. The pH was adjusted with HCl from 5.5 to 3.0. In order to remove materials soluble in ether, the solution was then extracted five times with 10 ml portions of diethyl ether; and by means of a separatory funnel the ether soluble fraction and the water soluble fraction separated. The ether was removed from the ether fraction by evaporation and the residue dissolved in 25 ml of distilled water. This represents the ether extract. The water fraction had slight traces of ether removed by vacuum. We finally, then, have a 25 ml fraction containing only water soluble materials and a 25 ml fraction which is ether soluble and water soluble. Two concentrations of these extracts were then placed on three crop seeds with known high germinability. A Whatman filter paper disc was placed on the bottom of a 100 mm petri dish. One hundred of the particular crop seeds were scattered on the filter paper and moistened with 5 ml of extract. Two concentrations were used. The dilute solution contained 1 ml of extract to 4 of distilled water, while the concentrated solution contained 5 ml of full-strength extract. The controls were simply moistened with 5 ml of distilled water. Each treatment was replicated three times. Since each crop seed has its own best germination requirements, these were satisfied by placing the treated seed and controls in various germination chambers. The length of roots and shoots was measured in millimeters on the fourth, sixth, and eighth days. The percentage of germination was measured on the eighth day, irrespective of length of radicle or shoot. In the case of wheat, the germination percentage was also taken on the fourteenth day. The results are summarized in Table I.

Results in Table I indicate that both the water soluble and ether soluble extracts inhibit germination of these three crop seeds but in varying degrees. The rapidity with which wheat and onion germinated permits us to assume that these would make good indicator plants for testing various fractions of iris extract as to inhibitory qualities. Table I also indicates that while the 1-4 dilution gave little inhibition, the 5-0 concentration might be too high for proper evaluation. In addition, this experiment, while exploratory in nature, was of limited value since perhaps water soluble and ether soluble extracts of wheat might also give similar results when applied to onion and wheat seed.

The question might be raised as to why we used crop seed for indicator plants rather than testing iris extracts on iris seed. Through long use and

TABLE I. Inhibitory Effect of Iris Seed Extracts on the Germination of Various Crop Seeds.

*Iris Extracts on Onion.* Germination begun 11-16-64 at 20°C, and 24 hours of darkness/day.

Days	Length in mm	Controls	Water extract		Ether extract	
			Dilution	Concentration	Dilution	Concentration
4th	Root	12.7	8.7	0.2	7.3	5.1
	Shoot	0.0	0.0	0.0	0.0	0.0
6th	Root	24.5	13.3	7.1	17.0	14.1
	Shoot	5.6	3.1	0.4	2.5	2.4
8th	Root	40.0	22.8	10.1	27.5	28.5
	Shoot	14.3	11.9	2.3	10.3	8.6
Germination % 8th day	Good	89	86	0	90	65
	Abnormal	2	9	92	6	28
	None	9	5	8	4	7

*Iris Extracts on Wheat.* Germination begun 11-16-64 at 15°C, and 24 hours of darkness/day.

Days	Length in mm	Controls	Water extract		Ether extract	
			Dilution	Concentration	Dilution	Concentration
4th	Root	15.7	8.1	1.3	0.5	0.0
	Shoot	4.0	2.5	1.0	0.5	0.0
6th	Root	37.9	22.2	10.1	15.3	0.0
	Shoot	11.7	4.8	2.3	3.8	0.0
8th	Root	36.7	22.1	13.8	28.2	2.4
	Shoot	21.1	11.1	2.6	7.8	0.0
Germination % 8th day	Good	95	89	20	91	0
	Abnormal	3	8	74	5	94
	None	2	3	6	4	6
Germination % 14th day	Good	---	---	---	---	95
	Abnormal	---	---	---	---	3
	None	---	---	---	---	2

*Iris Extracts on Redtop.* Germination begun 11-16-64 at 20°-30°C, and 8 hours of light, 16 hours of darkness/day.

Days	Length in mm	Controls	Water extract		Ether extract	
			Dilution	Concentration	Dilution	Concentration
4th	Shoot	3.2	1.7	0.0	0.0	0.0
	Root	3.0	1.0	0.0	0.0	0.0
6th	Shoot	12.2	9.5	0.0	6.8	0.0
	Root	10.9	4.8	0.0	5.7	0.0
8th	Shoot	20.8	23.6	0.7	20.1	12.7
	Root	12.0	5.6	0.5	11.8	3.7
Germination % 8th day	Good	73	84	0	92	10
	Abnormal	9	1	13	5	80
	None	16	15	87	3	10

selection by man, many crop seeds no longer contain inhibitors to germination. Through the centuries, those seeds which failed to germinate the first year after sowing were naturally not harvested, so unwittingly only that seed which did germinate became the parent of succeeding plants. Irises, on the other hand, being a wild plant until very recently, and largely propagated by vegetative means, have seed which retains inhibitors for germination. In nature this is a desirable feature of most wild plants and weeds since it

distributes germination over long periods of time, lessening the possibility that all the seeds might germinate in one year and then subsequently be killed by unfavorable environmental conditions. This delayed germination obviously makes iris seed a difficult indicator plant for testing the inhibitory compounds present in iris seed extracts.

It would appear from Table I that the water soluble extract reduces germination even more than the ether soluble extract. This might be attributed to the fact that the water extract was found to contain amino acids and sugars, whereas these were not present in the ether extracted fraction. Such materials provide nutrients for mold and decay organisms and may account for the high percentage of seeds which failed to germinate as well as the abnormal looking seedlings which develop in those lots treated with the water extract. On the other hand, little if any mold developed on seeds in the petri dishes with the ether soluble extracts; and the seeds exhibited a more normal pattern in that while they were definitely inhibited in early stages of treatment, they eventually had a high percentage of germination; and the inhibitory action was lessened or completely nullified. This is shown by the change in germination percentage on wheat between the sixth and fourteenth days. Whereas there were no seeds falling in the good classification on the sixth day, by the fourteenth day this had changed so that 95 per cent now fell into the superior classification. Thus, an additional eight days were required for inhibited seed to equal that of the control.

Because of the above limitations, it was thought advisable to repeat the experiment, limiting the indicator plants to wheat and onion. In addition, it was considered desirable to test wheat extracts as well as iris extracts for comparable inhibition. Finally, a better range of concentrations was needed. In addition to the 1-4 dilution and 5-0 concentration, two additional dilutions, namely, 2-3 and 4-1 were tried. Germination tests were begun on December 15, 1964, and results tabulated on the sixth day. A final germination rating was made on the fourteenth day. An arbitrary range of 5 to 0 was devised for this observation. Where the germination equalled that of the control, a rating of 5 was given. Ratings of 4 down to 1 indicated progressively slower and more abnormal germination. Where no germination resulted, the rating is shown as O. Results of this experiment are shown in Tables II and III.

Results in Table II, while paralleling those obtained in Table I, are even more revealing. As could be expected, both the water soluble and ether soluble fractions of wheat extract had little or no effect on percentage of germination of wheat seed. Again, amino acids and sugars were responsible for the reduced growth and lowered germination rating of the water extract treated seeds. This was largely due to losses by molds and decay. The ether soluble extracts at all concentrations showed little mold, and the germination ratings compared favorably with the controls at the two lower concentrations. At the higher concentrations, the reduced germination rating was based on total amount of growth rather than quality of growth.

The iris water soluble extract, on the other hand, adversely affected wheat seed at the two higher concentrations, completely preventing germination at the highest concentration on the sixth day and permitting only slight recovery as late as the 14th day, when the germination rating was still only 1. The iris ether soluble extract at the 5-0 concentration was very inhibitory

on wheat on the 6th day. There was some recovery, however, between the 6th day and 14th day; and the germination rating on the 14th day indicates this. A casual observation on the 20th day (not shown in Table II) revealed almost complete recovery with all concentrations of the iris ether extract treated seed.

TABLE II. Inhibitory Effects of Wheat and Iris Seed Extracts on Wheat Seed Germination.

*Wheat extracts on wheat.* Germination begun 12-15-64 at 15°C and 24 hours of darkness/day.

Days	Length in mm	Controls	Water extract conc.				Ether extract conc.			
			1-4	2-3	4-1	5-0	1-4	2-3	4-1	5-0
6th	Root	45.1	---	---	18.7	10.2	39.6	43.0	35.0	33.9
	Shoot	12.3	---	---	4.5	3.4	10.6	11.3	6.7	7.3
Germ. %	Good	96	---	---	90	98	92	98	100	94
6th day	Abnormal	2	---	---	2	0	4	2	0	4
	None	2	---	---	8	2	4	0	0	2
Germ. rating										
14th day		5	---	---	2	1	5	5	4	3

*Iris extracts on wheat.* Germination begun 12-15-64 at 15°C, and 24 hours of darkness/day.

Days	Length in mm	Controls	Water extract conc.				Ether extract conc.			
			1-4	2-3	4-1	5-0	1-4	2-3	4-1	5-0
6th	Root	45.1	20.4	11.9	5.1	0.0	27.9	17.6	9.7	1.9
	Shoot	12.3	4.9	4.6	1.2	0.0	6.1	3.7	2.2	0.1
Germ. %	Good	96	92	50	0	0	92	84	92	20
6th day	Abnormal	2	4	48	90	0	8	10	6	74
	None	2	4	2	10	100	0	6	2	6
Germ. rating										
14th day		5	2	2	1	1	5	5	4	2

TABLE III. Inhibitory Effects of Wheat and Iris Seed Extracts on Onion Seed Germination.

*Wheat extracts on onion.* Germination begun 12-15-64 at 20°C, and 24 hours of darkness/day.

Days	Length in mm	Controls	Water extract conc.				Ether extract conc.			
			1-4	2-3	4-1	5-0	1-4	2-3	4-1	5-0
6th	Root	17.1	---	---	---	---	19.3	18.0	17.9	17.8
	Shoot	4.6	---	---	---	---	5.4	5.7	4.4	4.1
Germ. %	Good	92	---	---	---	---	98	96	96	96
6th day	Abnormal	8	---	---	---	---	2	2	2	2
	None	0	---	---	---	---	0	2	2	2
Germ. rating										
14th day		5	---	---	---	---	4	3	3	3

*Iris extracts on onion.* Germination begun 12-15-64 at 20°C, and 24 hours of darkness/day.

Days	Length in mm	Controls	Water extract conc.				Ether extract conc.			
			1-4	2-3	4-1	5-0	1-4	2-3	4-1	5-0
6th	Root	17.1	14.2	7.2	1.5	0.0	14.9	17.1	14.8	15.8
	Shoot	4.6	2.6	1.3	0.0	0.0	3.0	3.5	2.5	2.6
Germ. %	Good	92	90	56	6	0	94	90	88	80
6th day	Abnormal	8	6	40	24	0	2	6	10	18
	None	0	4	4	70	100	4	4	2	2
Germ. rating										
14th day		5	3	2	1	0	4	4	3	4

Table III lacks data for water extract of wheat on onion but does show the very slight inhibitory effect the ether fraction has on onion both in germination percentage and in final rating. Again the lowered rating is based on amount of root and shoot growth rather than quality which appeared very normal. The water extracts of iris on onion, however, again shows the very inhibitory effect at the three higher concentrations and the ultimate lower germination rating on the 14th day. The ether extract of iris had a very slight effect on both germination percentage and final germination rating.

The presence of amino acids, free sugar, and complex carbohydrates were determined by paper chromatography. Remarkably similar patterns were obtained in the water extracts of both wheat and iris as far as amino acids are concerned. However, while the water and ether extract of wheat showed the absence of phenolic compounds, chromatographs showed the presence of these phenolic substances in both the water and ether soluble fractions of iris extract.

### *Summary and Conclusions*

1. Iris seed extracts contain inhibitory compounds both in the water soluble and ether soluble fractions.
2. The inhibitory effect is masked in the water soluble portion by reduced germination and death of seeds due to molds and decay.
3. Wheat is a good indicator plant for testing the presence of inhibiting compounds in iris seed. Onion is somewhat less valuable for this purpose.
4. Little or no mold growth is observed in the ether soluble extract treatments.
5. The inhibitory compound present in the ether soluble fraction of iris seed either gradually deteriorates, permitting resumption of root and shoot growth of treated wheat and onion seed, or the developing plant is able to overcome or modify the inhibitory effect.
6. Further refinement and isolation is needed to determine the exact chemical nature of the inhibitors in iris seed.

### *Acknowledgments*

This study is, in part, supported by Colorado State University Research Foundation, a Faculty Research Grant, and by Region 20 of the American Iris Society. The author gratefully acknowledges this financial support. He is indebted to the many iris growers who have so generously supplied him with seed. He also wishes to acknowledge the valuable assistance of Dr. Gestur Johnson, Colorado State University Department of Biochemistry, for preparing the extracts and chromatographing the various fractions; and to Dr. Mildred Thornton, Colorado State University Seed Analysis Laboratory, for providing the various germination chambers and valuable technical advice.

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## *Two of the Magic Eleven for '66*

JOE GATTY

Writing as one who traveled the convention road for Region 19 only a few short years ago, I am greatly pleased that we of Region 19 can once again, as in 1961, share with the members of the American Iris Society, *during the days of May 29th through June 1, 1966*, some of the iris gardens we who reside in this area visit annually. Our visits this past spring have indicated again that a bit of the magic toil and trouble by a very cooperative group of tour garden owners has brought into being iris tour gardens really worthy of the '66 Convention.



A View Across the Hoffmeister Garden

All American Iris Society meetings are an endless succession of planning, replanning, coupled with a dash of hope, and we in selecting the convention gardens for the 1966 meeting, from past experience, were aware of the necessity of planning carefully and well. We chose to stop at the lucky number eleven, certain that we had within this number of tour gardens—and they range in size from one-half acre in suburbia to that dream of all potential

hybridizers, sixty acres in the country—iris locales where all attending the meeting would not only see guest irises grown and shown well, but see these products of many hybridizers at a leisurely pace, in gardens designed and redesigned to glorify these gracious horticultural contributions of others. Let me tell you of two such 1966 convention gardens, one a half-acre in suburbia, the other that sixty acres in the country where approximately three of these acres have been given over to irises in anticipation of your visit.

#### *A Suburban Garden*

Memorial Day 1966 will find the attending conventioners visiting the always picture-like suburban garden of Mr. and Mrs. Paul Hoffmeister of Westwood, New Jersey. Here, in a half-acre garden designed to enhance all plant material and be enhanced by it, will be found not only guest iris representatives of the always popular tall bearded class, but today's and tomorrow's iris introductions of the border, Siberian, and rebloomer members of the iris family. That this convention garden should be endowed with representatives of all iris types is no mere accident. We of Region 19, as you will discover for yourself, have long been aware that Jean and Paul Hoffmeister are iris enthusiasts who savor not only the regalness of color and form that is the tall bearded, but appreciate as well, as all iris gardeners should, that the iris season is never ending if one has the wisdom to see beyond the grandeur that today's tall bearded irises are during their season and discover that there is another type of iris pleasure and season, not to mention variation of iris form. True, the more than one hundred tall bearded iris guests will dominate this garden scene the day you visit, and regal beauties that they are, there is assurance that their colorful presence will keep your cameras clicking, your comments commenting, your vote notebooks annotated with a hundred and one notes to vote, buy, or seek out for another glance this or that iris variety. Oh yes, the tall bearded irises will indeed endeavor to upstage its nearest of kin; however, the intimacy of design of this half-acre suburban garden guarantees that even the most ardent of tall bearded fancier will find new value in the merits of the border iris, the Siberians, and the rebloomers, as garden acquisitions of importance.

Time and length of article does not permit a full resume of the convention guests one will view in this convention garden, but seek out, if you have not already done so, the unique and different bitone of Mr. Gordon Plough's called MILESTONE; the yet-to-be introduced, stylish, delicate of contrast, orchid amoena, seedling T-71-A, of the Schreiner's. And seek out as well the melon-hued origination of Mrs. Corey's, MENEMSHA, by name. The new Siberians to be seen in this garden are not to be overlooked, and the seedlings and introductions of Mrs. Corey, Mrs. Spofford, Mr. Varner, and Mr. Cassebeer, will greet you by a wave of their modern but graceful new dress as you enter this garden. And, as you wend your way about the tall bearded iris beds, look down, permit the equally proud newest of border irises to charm you, as Bennett Jones' petite blue amoena, seedling B-20-2, and the Hoffmeister's blue, blue, BLUE TWIST did us this past spring. True, the garden of Jean and Paul Hoffmeister is not the largest of gardens, but then the old adage "good things in little packages come" is yet the ingredient of which good conventions are made.

#### *A Country Estate Garden*

On the afternoon of June 1, 1966, you who visit with us in '66 will visit a



country garden wherein one will see more tall bearded irises than contained by any other private garden on the convention schedule. It is a garden relatively new to Region 19, one which pleased all in 1961 and which since then has come to be known as the place to see the newest of the new tall bearded irises, where two year clumps of the most modern of the hybridizers' art become the most magnificent of floral specimens—grown and shown as the originator of any iris would like. Here, on June 1st, amid the beautiful countryside that is New Jersey's Hunterdon County, past an old country store, the convention road leads to a gateway where a famous iris of yesterday, WABASH, bids you welcome to the home and garden of Dr. and Mrs. Fred Knocke of Readington, New Jersey.



A Small Section of the Knocke Iris Guest Beds

This is the lovely convention garden where you will spend the better portion of the afternoon of this convention day viewing over three-hundred tall bearded guest irises, where you may see the introduction of all hybridizers for the year 1964, 1965, and tomorrow, as well as fields of seedlings which in themselves represent Dr. Knocke's endeavor to continue to bring forth tall bearded irises of all colors and patterns having the breadth of haft, size of flower, and those plant attributes which so popularized the first introduction of this hybridizer, the variety CROSS COUNTRY. Here, in this extensive iris planting, you will come to know Dr. Knocke, his charming and very accomplished family, his iris workshop, and his great interest in wishing to make this one of the most delightful convention days you can recall.

You, as I do now, will find it difficult to describe the magnitude of this iris garden. Our own visit to this garden this spring found us all a bit weary

from touring the iris gardens of New Jersey, but no one is ever so weary that he cannot be refreshed by bold clumps of FLAMING HEART, WINTER OLYMPICS, RUFFLED VALENTINE, the magnificent CUP RACE, lushness in white from Mr. Buttrick; BLUE BALLAD, and many more considered oldies now because of the presence of the more modern, represented by guest irises such as Melba Hamblen's intense off-yellow ROYAL GOLD; the different-of-color onco from Keith Keppel known as NINEVEH; the bold wide and handsome plicata HAWAIIAN HOLIDAY from Tom Brown— and the always charming, winner of this year's David Johnson Award, Dr. Knocke's SKYDIVA. The Knocke garden is literally a living iris catalog, blessed by not only adequate growing space, but by the garden know-how of a very busy physician who has a vast interest in the modern tall bearded iris of today.

*Joe Gatty, RVP of Region 19 during the 1961 Convention, and the Region's Convention '66 General Chairman, is a long-time hybridizer, of FRIENDSHIP among others, as well as a contributor to both the BULLETIN and several specialty iris publications.*

### **A Message to the Hybridizers Who Have Sent Guest Iris For the 1966 Convention in Region 19**

We are deeply appreciative of your contribution of guest irises in order that our 1966 AIS meeting will be a finer one. If the seedlings sent were under seedling number, but have since been officially registered by name, please so advise me promptly. We wish to have your iris originations listed in the 1966 convention booklet as you would wish them to be.

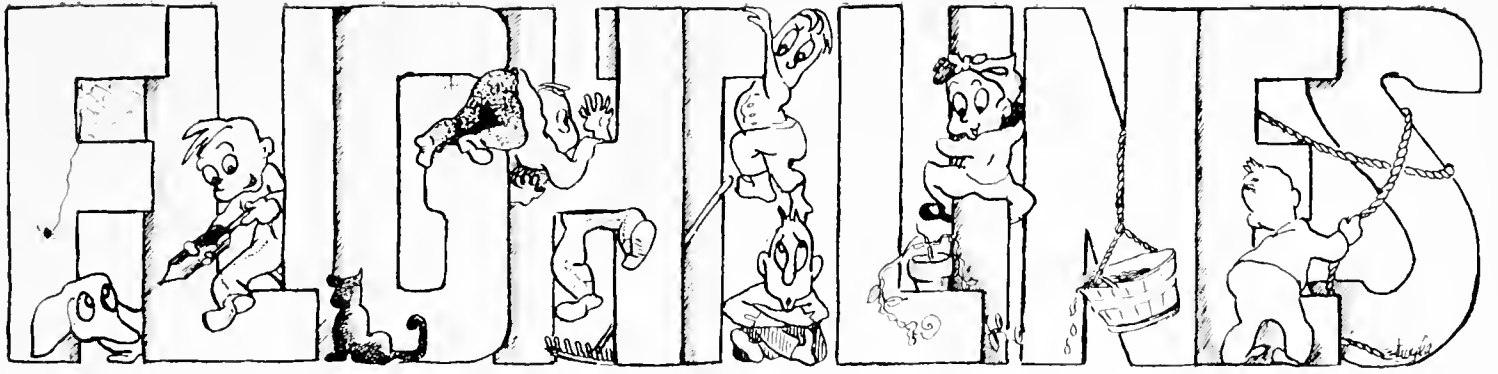
MRS. JESSIE GATTY, *Guest Iris Chairman*  
5-22 Hazel Place  
Fair Lawn, N.J.

### **REGISTRANTS AND INTRODUCERS**

We plan to issue the 1965 REGISTRATIONS and INTRODUCTIONS with the January mailing of the BULLETIN, because we feel that the publication at this time will be much more useful to our members. In order to have adequate time for checking, we would like to have all registrations in by October 15, although we will hold this year until October 31.

Please send proof of introductions that should appear in this booklet. An introduction must have been in commerce a year before it is eligible for an HM. This means that it should have appeared as in introduction in a catalog, printed list or other published material with national coverage prior to June 30 to appear on the awards ballot the following year. Advertising in the BULLETIN of the American Iris Society is one of the means of introduction.

J. ARTHUR NELSON, *Registrar*  
3131 North 58th St.  
Omaha, Nebraska 68104



## AIS ROBIN PROGRAM SECTION

PEGGY BURKE GREY, *Editor*  
8191 Franz Valley Road  
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KEITH KEPPEL, *Co-Editor*  
517 North Anteros Ave.  
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### *Some New Squadron Leaders*

General John Bartholomew, commander of the Robin Air Force, has announced some changes in the divisions. Barbara Serdynski, who tackles many a difficult AIS job at both national and regional levels has had to lighten her burden and relinquish both Chairmanships of the Regional and the Irises in General Divisions. We'll miss her from the robin scene for she has done superlatively well. Barb turns her two groups into competent hands. Judy Bell is assuming Chairmanship of the Regional Robin Division. Into Judy's former job as Co-Chairman in the Tall Bearded Division goes Dagmar Fondoble, and, as John notes, she will do one whale of a job. The Irises in General Division is now in the good hands of Carol Ramsey, who faces this job with the same sort of enthusiasm shown in her excellent article, *Looking at Robins*, which appeared in the July BULLETIN. This division is one for newcomers who wish a broad knowledge of all types of irises before going on, if their interest is kindled, to the special divisions featuring particular kinds of irises. Also moving into the Tall Bearded Division as a Division Director is Edith Cronin, another enthusiastic robineer. We're delighted to see such an array of robin talent and bid them welcome.

### *It's Been a Long, Hard Winter*

One of the most common topics in the robins this past year has been the weather. Extreme winds in California during bloom time . . . spring drouth in the East and Midwest . . . a too mild winter in the Northwest, followed by just enough cold and wetness to kill out bloom-points galore and start soft rot on its rampage. But the saddest tales of all are those coming out of the Midwest, telling of the extreme winterkill. Whole iris patches all but wiped out, and not just "tender" varieties, but hardy Midwest-bred varieties as well. Last February Mildred Brizendine summed up the conditions in the Topeka, Kansas, area:

"We have had a disastrous winter for irises. Up until the Sunday after Thanksgiving we had a very warm fall and everything was in lush growth

# NATIONAL ROBIN PROGRAM DIRECTORY

*National Robin Program Director*

John A. Bartholomew, 35 Pine Grove St., Milton, Mass. 02186

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Miss Leah Ralls, 300 East Fifth St., Edmond, Okla. 73034

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Mrs. P. M. Lanc, 6017 N. Depauw St., Portland, Oregon 97203

—no cooling off period. Then suddenly the temperature dipped to zero that night and stayed there for days. Since that time we have had thawing days and freezing nights with no snow cover. You can guess what has happened. What did not freeze in November has been heaved out since. Though we have put them back in many times (and that is no small job with the amount of irises we raise), hundreds of them are completely gone. We have found some two- and three-year-old clumps that had not been moved which were heaved out. Yes, we covered with sand; and hay on the more tender ones, but that has not stopped the heaving. I can never remember such a winter.”

And, we hope, there won't be another year quite like this!

And then from C. E. Morgan in Flint, Mich., this winter woe: “I had more winter kill and rot this year than I ever had before. Most of it was in my bed of newer things. I did not discover it until I removed the straw mulch. I was about ready to give up on iris growing when I saw all the damage. But since hearing about and seeing other's losses I've decided to try again. I think it was Mother Nature's way of telling me to mind my own business and not try to be such a good helper. Some of the older varieties up in the front part of the garden didn't even get a fall cleaning (or a spring one either) and are the biggest and healthiest in the garden.”

#### *Bloom Season Blues*

Rev. Eldren Minks, Albert Lea, Minn., asks, “Now that the iris hybridizers have a rather complete roster of tetraploid colors, what are their plans on future drawing boards? When we get red in its true shade, what will we try for then? I suggest that our attention be turned toward extension of the TB iris blooming season. If the TB's have a fault, this is a *major* one. I don't go along with this idea of planting a different species for blooming each month of the year. This is merely an excuse for not having developed a TB iris with a satisfactory extension of its blooming season.”

Them's fightin' words . . . and I think they were intended as such. Hybridizers, are you ready to meet the challenge?

#### *Robin's Choice*

It's always interesting to see what varieties turn up as “favorites” in the various parts of the country, and why. June Fraser, Lawrenceville, Ga., wrote last year, “Of new irises in my garden in 1964, my first choice was REAL DELIGHT. My second choice was GENTIAN FALLS, a very large bloom, tall, with white standards and very blue falls which looked as if they were painted with an artist's brush—brush marks even showing at the hafts. The beard is deep orange.”

Cleo Palmer, Geary, Okla., looks for likely prospects for breeding purposes. “BELTON BEAUTY is supposed to have up to seventeen buds, so should be good to use in the blue line. BLUE SAPPHIRE seems to give good substance.” Bill Webster, Greenbelt, Md., notes “PATTERDALE has a terrific bud count, plus height and ruffles.”

From Pinson, Ala., Mildred Stephens writes, “To my eyes, the finest blooms and stalks were on OLYMPIC TORCH. Blooms huge, up and down the stalk. RUFFLED HEIRESS was very dainty and ethereal, a very ruffled near-white with a tint of orchid around the falls. CELESTIAL SNOW and ANGEL'S DREAM were beautiful whites, though ANGEL'S DREAM was a little small (as was PIETY). PEACH PLUME was gorgeous. GOLDEN MASTERPIECE

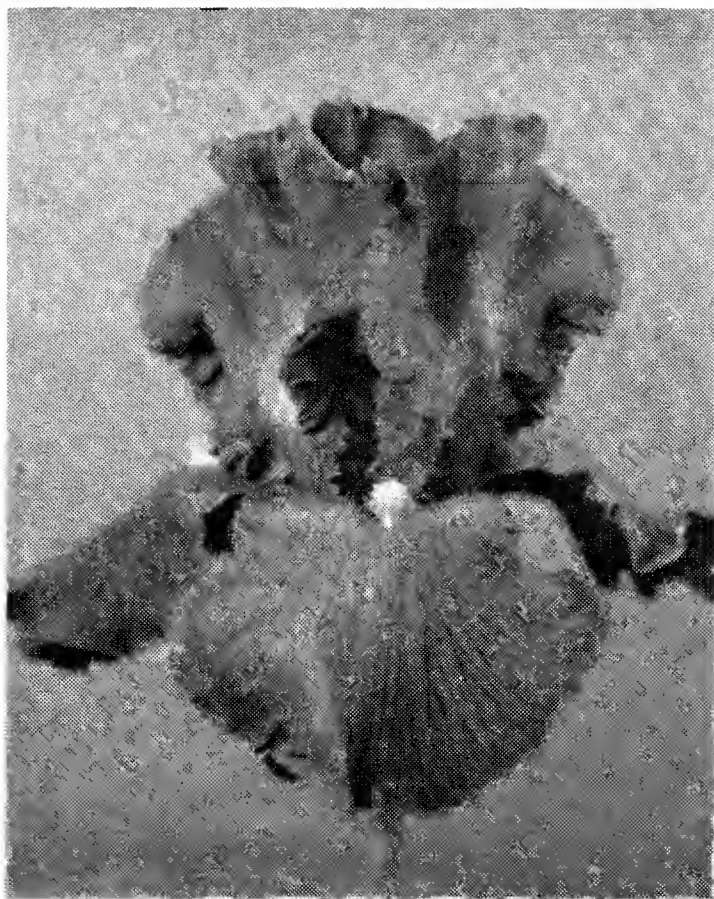
simply huge and beautiful. COFFEE ROYAL I like. ALLEGIANCE was rather small on a first year plant. CAPTAIN GALLANT, nice. KARACHI was a beauty, but ROCOCO the nicest plic of all. FROST AND FLAME is always dependable."

Hazel Stewart, San Jose, Calif., lists MARY McCLELLAN, SNOW GODDESS, GOLDEN STAIRS, VIOLET RUFFLES, and SIERRA SKIES as being especially strong growers. These, she notes, are used along the street where they can stand poorly-aimed newspapers and balls! She continues, "Except for the street planting, the entire iris garden is dug and reset every year. CELESTIAL GLORY, LOVILLA, HOPE'S DIAMOND, and NEW FRONTIER grow so big; they bloom on several fans and are inclined to sprawl. Joe Ghio's FROSTED STARLIGHT and TWILIGHT SONATA are marvelous doers and bloomers. The above mentioned irises would crowd less opulent doers if we did not dig every year. I guess it's tender, loving care (which means weeding, watering, and feeding) that gives us our results."

Adding to these comments compiled by Keith, our always faithful robin reporter Edna Gillen in La Junta, Colorado, sent in some others from Hazel Stewart. It might be added that Edna's transmittal notes which come along with robin excerpts are always sheer delight to read . . . slightly reminiscent of the Memphis convention reports, where dedicated irisarians fell so madly in love with the beautiful azaleas and roses, is this from Edna: "The irises were beautiful this year, and the peonies, oriental poppies and roses came on before the irises finished blooming, so we had a yard full of flowers. The roses were particularly nice as it was cool enough for the buds to get large before opening and then they lasted so long." Edna's mention of long-lasting flowers in roses lines up pretty well with Keith's remarks from the Rev. Mr. Minks. (It was interesting because Carol Walters of Rio Linda, Calif., and I have recently become fascinated with a program for extending individual flower life in daylilies, as well as extending the flowering season of TBs, with some expert guidance from Dr. Dennison Morey, one of rosedom's leading research men). But on to Hazel's additional comments on her favorites:

"Some varieties always behave and produce show stalks. Keppel's GRINGO and Schortman's DARK SPRINGTIME always produce show stalks. BUTTERCUP BOWER (Tompkins), WHITE PRIDE (Branch), GLAMOROUS (Plough), and HIGH ABOVE (De Forest) are always good. We still like TONALEA (De Forest) and I voted for it for the Lapham Cup. Schreiner's GYPSY JEWELS and RUBY MINE were very satisfactory. Other irises I have enjoyed in 1965 include CHINESE CORAL (Fay), CRINKLED BEAUTY (Schreiner), MARTEL (Tell), DEEP SPACE (Tompkins) and DENVER MINT (Knopf). All of these we grow in our own garden."

Mrs. Albert De Haan, Wayland, Mich., noted some favorites and some disappointments. "I think the newer irises have it over those of 6 or 7 years ago. Most of them have wider falls and heavier substance. I just loved the wide falls on BON VIVANT. SNOW GODDESS: One shouldn't put up with such a foliage performer. In some places I suppose it is OK. This past year I thought PIETY made one of the best clumps in my garden, but come spring I had lost the whole clump, except what I saved when I took it off the clump and planted in another place. I have had WINGED GODDESS 6 years and no bloom; at least I would like to see it, but finally threw it out."



MARTEL (Tell '62)



ZAYANTEE

A California species hybridized  
by Bruno Kaufner, San Francisco

By now most *Flight Lines* readers know that some of the most descriptive comments come from Delia Munn, Virginia Beach, Va. These were written early in her bloom season, which was a late one this year. "Of the few that are in bloom: *FIRST COURTSHIP* (Ghio) has 7 bloomstalks, all with 3 to 5 blooms open, well branched and good placement, and most every bloom had a bud or more replacement. It is a gorgeous white. *TWILIGHT SONATA* (Ghio) began opening yesterday. I love the coloring and form. It is unusual. When first opened the standards were so tightly closed it reminded me of a rose bud, and in a strong wind they still hold that beautiful position. *FOREST MOON* is just a one-year planting with one bloom stalk and 4 increases—for that I am thankful. The stalk is crooked but the 3 fully-opened blooms are a perfect triangle—heaven, man and earth arrangement. It has beautiful fluted form, standards as well as falls, so perfect and crisp. Its name fits the coloring to perfection—few more buds to open. Its form is just out of this world and I can just imagine what a clump will do for my garden next year. *AMETHYST FLOUNCES* (Knopf) is another beauty. It has these rosebud standards and pert falls—what heavenly form and color. It just says 'Here I am and I know you admire me!' It has perfect branching. The buds are so deep in color that I was surprised at the pastel color of the bloom. Again, it has the perfect name. *RHYTHM FIESTA* opened in hot and windy weather; the standards were open; it looked so floppy I didn't like it at all except for the creamy color. That same bloom is fresh today, several days after opening, and the standards are closed! That's weather-resistance for you. Now I like it very much!

"*MOHR MAGIC*, *TROPHY*, *APPIAN WAY*, *AZURE HAVEN*, *LUTE SONG* and *PAY DAY* are large clumps in full bloom and performing as usual. I have

had PAY DAY since it was first introduced, but it is more beautiful than ever. That color really highlights the garden. I thought the form was more tailored than it really is. Perhaps I am paying more attention since they are blooming so late and so scattered in my garden. I guess when they are popping into bloom so fast we really don't have the time to study the individual variety, and give most of the thought to the new ones."

*Golda Writes . . .*

"The bloom season is fast coming to an end and I do hate to see them go. Have enjoyed every one of the beautiful blossoms. BUTTERSCOTCH KISS is strutting its stuff and SKY CROWN folding its wings. ROCKET has been blooming for a month and still has half a dozen blooms. It is such a good bloomer. BLUE SAPPHIRE, TEA ROSE, and MORNING MELODY, along with LULA MARGUERITE, are still beautiful. LOTTE LEMBRICH is very different and I like it."

"We had hundreds of blooms on the old clumps and the old irises before the show . . . but my best ones bloomed after the show. SNOW GODDESS did just right, as did THE MAD HATTER and a lot more. We only put eight in the iris show and got seven ribbons—five blues and two reds—so did not do so bad! Am writing this at five a.m., so I can get the robin off. Know that I won't have time later, as I have to get some ads for the Council Year Book and go to the luncheon for the garden club presidents for this district tomorrow. Am president of the club again this year. Sometimes it feels like my bones are beginning to creak a little as I approach my eightieth birthday August 30th, but then again I feel pretty frisky and think I am not so old."

That, dear hearts, is Golda Moore of Waco, Texas.

*Project Colorado*

Ethel Baukus, West Allis, Wis., tells of the special project that the members of the Hybridizing Robin' Lambda' have undertaken. They are making crosses of certain specific varieties. The seeds will be sent to Carl Jorgensen, Associate Professor of Horticulture at Colorado State University, Fort Collins. He, in turn, will use the seeds in his studies on germination.

*Breeding for Greens*

With the current interest in producing greens, the following report should bear investigating. Phil Edinger, Santa Monica, Calif., writes, "In conventional crosses for green (*i.e.*, without tangerine beards) a friend found her greenest things coming from yellows or off-yellows crossed to purple or black. Last spring she bloomed a green gold from EBONY ECHO × FROST AND FLAME and a blue-bearded purple from BLACK HILLS × FROST AND FLAME, so perhaps those two crossed might bring forth a tangerine-bearded greenish thing. Otherwise, we had figured on using odd-colored pastels and greenish things from blue × pink crosses, using them with each other and with other tangerine-bearded things. She bloomed twenty or so seedlings from a cross I had made of LULA MARGUERITE × (MARY RANDALL × JUNE MEREDITH), several of which were headed toward green from the tannish side."

"Then, in Utah I saw what TOP OF THE WORLD is throwing when crossed with pinks: very strange pastel blends with just a hint of pink and pale tangerine beards.

"EMERALD FOUNTAIN would be another to use for color, GAY ADVENTURE



for good form, and lastly my special pet—TAFFY WINGS. This is slightly greenish yellow, with a tangerine beard, and much better than its parentage (MELITZA × BUFFAWN) would indicate.

“If you are familiar with GREEN QUEST (TAFFY WINGS × PRETTY QUADROON), then you have a fair idea of what TAFFY WINGS looks like. Just add the tangerine beard. Perhaps TAFFY WINGS × FIRENZE or ENCHANTED VIOLET might do the trick. What we’ve been doing is strictly guess work, but the results are promising, so for what it’s worth I’d suggest outcrossing the tangerine-bearded things to blues and purples, then intercross the results and also cross the first generation seedlings back to the tangerine-bearded things.”

#### *To Sib or Not to Sib*

Mildred Brizendine tells of some of her experiences with standard dwarf breeding. “I prefer the form of GOLDEN FAIR to that of BRASSIE, but at the time my crossing was done with BRASSIE, GOLDEN FAIR had not been introduced. Sometimes I have found the substance of BRASSIE seedlings has not been extra good, but it could be due to the other parent instead of BRASSIE. I have never been able to decide. However, if I keep sibbing these, the substance improves. We all have different experiences, and I have heard some hybridizers say they would not sib. From my experience this is very important. For example: in 1958 I crossed COLOR CARNIVAL × BLUE SPOT. My idea was to get some spot patterns. Two were dogs and discarded; the rest were all good, but were different colors, but had spots. Immediately I sibbed these, and when they bloomed, I sibbed the best of them again. Now I have a beautiful dark brown, and if it still proves good this year I may introduce it.”

Joe Gatty, Fair Lawn, N. Y., adds, “I believe that early in the SDB game some hybridizers did have disappointing results utilizing sibbing. I doubt that we can pin down a right or wrong way, but the few sib crosses I have made have not been disappointing. In fact, I now classify them as essential where intensification of spot pattern is involved.”

#### *Notes on Arilmeds*

Sam Street, Independence, Mo., gives some advise regarding crossing arils and arilbreds with medians. “My experience and advice is to use wellmarked spot or halo pattern pumilas onto arilbreds, if you want to get the spot pattern into the medians. If possible, use arilbreds with 50% or more aril blood, such as the C. G. White oncobreds. These have signals and should be good to use: AHMID AGA, ARJUNA AGA, JABAL KERAK, IMAM SALAH, KALIFA HIRFA, TATAI PASHA, KING HENRY, IB-MAC. The standard dwarfs, ZING and SHINE BOY are both good parents with arilbreds.”

“When crossing to the little ones as pod parents, I find I get almost all small ones, with maybe one or two plants that show any aril in regards to bloom—and usually they are too large for the dwarf-type flower. Sib these both ways; also cross the ones with aril foliage back to the aril parent. You may get one or two plants that have both parents showing strongly; it is a case of pairing of those mixed-up chromosomes of both species so that you can produce a well-balanced flower and plant with the good qualities of both.

“I quit using CAPITOLA with small ones. For one thing, it always produced seedlings with too large a flower that wouldn’t reduce. Have had fair luck using IB-MAC, for its progeny does come down in size of flower, at least

in the F<sub>2</sub>.”

From down under there in Australia, Syd Lawrence reports that he is persevering with POGO as pod parent for arilbred pollen on account of its 35% germination during 1963 and 1964, and secondly for the good quality obtained from his first batch of blooms from such a cross. “I have found,” Syd reports, “that TRUCE also sets good pods to arilbred pollen.”

Bryce Phenix, Chico, Calif., tells of arilbreds and adds a note which will interest you who pored over the reports on breeding for greens. “The really interesting thing this year was the  $\frac{3}{4}$  arilbred seedlings of Leo Clark. They combine lines of C. G. White (through Wilkes seedlings), Austin, Kerr and Leo’s own seedlings. I bought his LEO TEE (*I. susiana* × Asoka of Nepal). There is nothing else like the things he has: one row of pure aril seedlings had leaf green standards!”

#### *Sweet Violets*

From Edith Edwards, Pipecreek, Texas, comes the following: “Violets are taking my yard, and I like it because the irises like them. Where the irises are in the violets, I have no rot, and the irises bloom better and put up larger stalks and greener fans. I *was* fighting the violets. Those that got by me surrounded several of my iris clumps and opened my eyes. Now I’m planting every violet that comes up. No grass will grow in with them, either.”

#### *Germination*

One of Charlottee Gantz’ International robins devoted to Medians has some extremely interesting notes on work the robin members are doing with germination studies. Syd Lawrence speaks: “A really keen hybridizing friend has kept germination figures for the last 10 years. He plants between 2,000 and 3,000 seeds each year (a majority of them TB) and over the 10 year period germination has averaged 26%. I think my figure would be approximately the same.” Syd goes on to relate more on his own germination studies.

“I am now compiling some germination figures on a comparative scale of dwarfs and medians × arilbreds as against TB × arilbreds. I have done quite a number of the latter over the past few years, and first year germination has been poor, usually about the 8% mark, and in some cases second year is much better, usually about 16%, giving a total of 24%. Am keeping them for the third year for the sake of the experiment.

“Percentage figures for various median × arilbred crosses are 37.3; 35.2; 25.8; 13.5. They are all from first year germination, and I hope in a few months time to have the 2nd year figures. As I mentioned earlier, the first year figure alone makes the median more profitable, and I have always thought an aril type bloom looks much better on a median stalk than on a TB one.

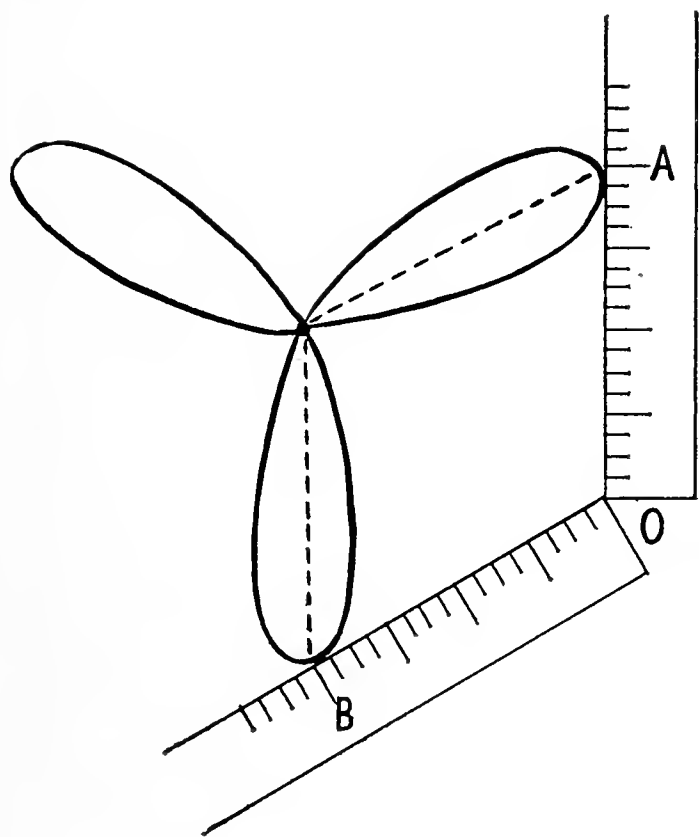
“I have tried various methods of improving seed germination such as freezing, planting the seed as soon as the pod is picked, using various media for planting, such as peat moss, vermiculite, perlite, etc., using Doak’s solution, but I have never come to any definite conclusion. I would say there is plenty of work to do in that field, particularly in the improvement of pure aril seed germination. I don’t know whether it is coincidence or not, but others have also reported that seed planted close together gives better germination.”

### Median Notes

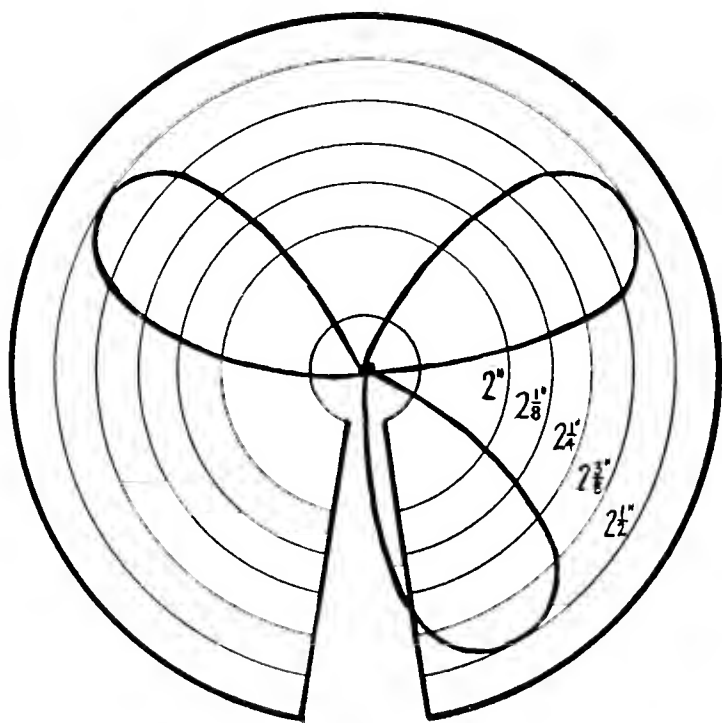
Rena Kizziar, Norfolk, Va., describes one of Sam's arilmeds: "Of the small things that have bloomed so far, the cutest of all was WEE SCOT. It is certainly something you would never confuse with any other variety. Perfect form, closed violet standards flecked deeper, black-violet flaring falls edged lighter, real aril-looking." She continues to list a few dwarfs without aril blood. "Also well liked were BRONZE BABE and SPRING MIST. Another excellent one in another garden was LITTLE LANE, white with yellow on the haft, KEWPIE DOLL, ABLAZE, LITTLE MOHEE, and HOW NOW were also good."

### Measuring Iris Bloom Size

One of the more fascinating, and often frustrating, projects embarked upon by Median Iris Society members is measurement of flowers, and the measuring of the degree of flare of the falls. A number of MIS members have devised a number of methods, most of which have been explained with diagrams in *The Medianite*. Here we have a report from Ron Watkins in England, who notes that Z. G. "Ben" Benson's doodad in the January *Medianite* set him thinking and he came up with two possible alternatives for measuring bloom size. To wit:



1. Two rulers set at  $120^\circ$  with the zero at the apex. Set ruler on falls as shown with OA approximately equal to OB. Then  $OA + OB = \text{diameter of flower}$ .



2. Make a card with a series of concentric rings say  $\frac{1}{8}$ " apart. Cut a slot out of the centre to fit round the stem and measure the ring which fits all three falls.

### Take Tips from a Judge

Hazel Stewart is a most discerning garden judge. And as a former teacher she's a good one to take lessons from. Here's some sage advice: "In judging an iris I look first at the branching and the placement of blooms. Next I am all for substance and I do not go around feeling of the blossoms but try to observe the midrib. Form is important too, but how fashions in

irises change! I am especially fond of conical standards and very wide hafts. I like fluting and ruffling better than lace, which I can take or leave. Of course, color is important for it's what attracts one first. I used to be especially fond of the velvety texture, but it seems to me it is inclined to show damage more than the starchy textured ones. Oh yes, beards interest me, too.

"I actually *grow* the irises that I vote an HM and AM for; I have never understood why some of the would-be critics flit through a garden muttering, 'Rough hafts; too narrow in the hafts'; 'dirty,' or 'I've thrown away better irises!' It is difficult enough when on a tour to really get a good look. It is hard to decide on a HC. I think the vigor of the plant and its habits of growth are so important. Some plants sprawl while others are spindly, even though the blooms are good. The hardest to determine in these 'look sees' is the bud count. I guess the buds vary with the climate and growing conditions."

#### *Convention Past—Convention Future*

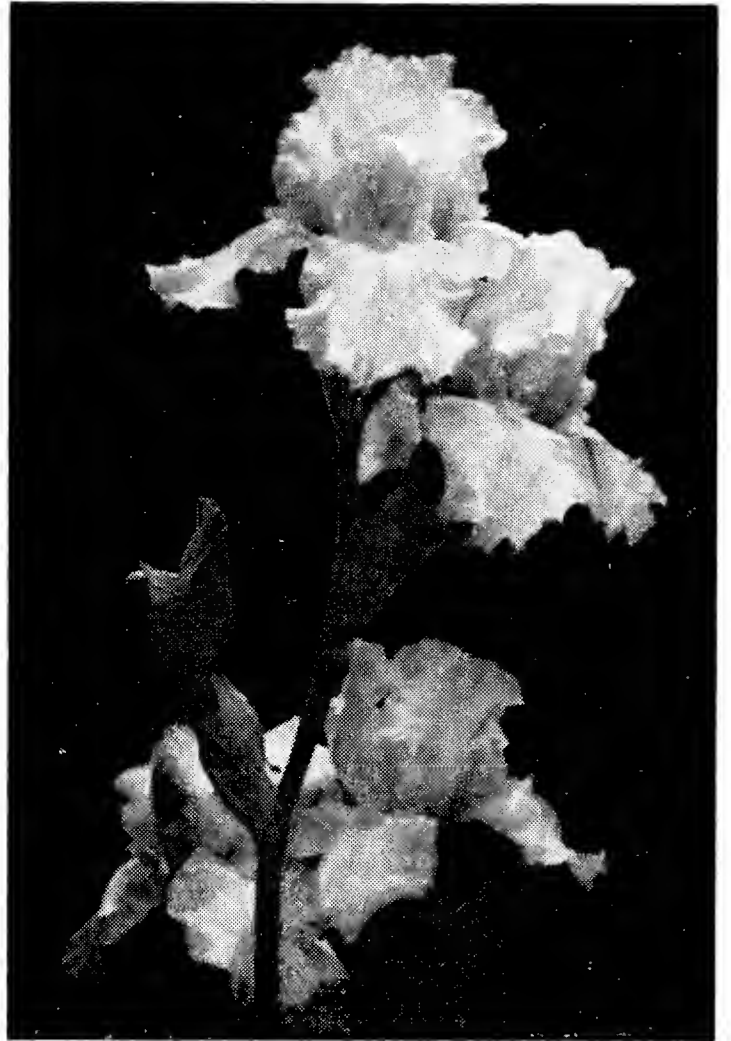
Lester Sparks, Huntsville, Ala., who lives close enough to the Memphis area to give an inside view of how one feels when the culprit, Weather, spoils things when company is coming. "I sure did feel sorry for the people in the Memphis area, who had spent the time (2 years) planning, planting, et cetera, necessary to have a nice convention, and have things they have no control over happen to them. They had the same weather there that we had here, plus a hail storm 2 or 3 weeks before the convention. 17 inches of rain in Jan., Feb. and March; warm weather that started growth, then 20 to 25 degrees in March to stunt growth. I had well established clumps of old varieties that had never before failed to bloom, but didn't bloom this year; others had stalks no higher than the leaves. So did they in Memphis, with guest irises, new introductions by the dozens gone. Yet with all of the mishaps they did have some nice gardens for us to see and many fine irises to admire."

Lester goes on to list things he particularly liked at the Memphis gardens, including some numbered seedling to watch for. Checking the registration and introductions lists on these should be fun. They are: RUSTICANA, JUNGLE FIRES, HELEN NOVAK, BLUE BARON, MARY PICKFORD, HENRY SHAW, BY LINE, ROSEANNE, FEATHER FAN, TALENT SHOW, CROSS COUNTRY, MILESTONE, TROPHY, JAIL BIRD, GRACIE PFOST, BRAVE SHOW, CRYSTAL RIVER, TORCH BEARER, SPANISH GIFT, RIGHT ROYAL, MOON RIVER, COUNTRY CUZZIN, SIBONEY, VEL VET, FIESTA DAYS, DAWN CREST, ESTHER FAY, RUBY MINE, ROSA BLEDSOE, GOLDEN CHALICE, UTAH VALLEY and the numbered seedlings Palmer 136-20, Hamblen 8-88, Young 5821-1 and Scharff 56-51-213. That's an interesting assortment of fairly old, fairly recent and brand new.

Then for a preview of a convention to come, here's the word from Betty Rowe, Pittsburgh, Pa., "I made a trip to New Jersey to see some of the gardens on tour for next year. I spent about an hour in Dr. Knocke's garden. All the convention irises are there—seedlings under number and named varieties. Since most were first year bloom there isn't much use talking about them now, but there were a few that I did like. One was Tom Brown's HAWAIIAN HOLIDAY. Dr. Knocke's CROSS COUNTRY was lovely all through the garden; his seedling patch was a wonder in itself. I liked



CROSS COUNTRY (Knocke '63)



ULTRAPOISE (Noyd '63)

TIDELANDS, big blue of Buttrick's which is really a sleeper. From Knocke's garden I went to Bill Newhard's at Quakertown. He has our Pennsylvania Test Garden. It is really nice. I'd never been in this garden during bloom season so it was really a treat. There are some natural boulders in the ground and plantings have been made around them to great benefit. Bill had some beauties out, especially MALACCA STRAITS, bred by the late Dave Johnson; it is a lovely brown, very finished."

#### *Iris Stomata Counts*

A report from Marion Schulz, Marietta College in Ohio, may send one running for the botanical reference books as it did me, but it is a delight to hear of the intensive research work done which will undoubtedly lead to new findings of value to irisarians.

"Mr Walp, my professor, decided to start me off with something easy and luckily I found something that suited him and from what I've done already, it pleases me too. I got the idea from AIS BULLETIN #174. I am trying stomata counts on iris leaves. You wouldn't believe how fascinating it can be." Marion details some of the specimens with which she is working: "*I. balkana*, *I. pseudopumila* (all different kinds of this one, including a bunch of interspecies crosses), *I. pumila* (lots of these, too), *I. arenaria*, *I. aphylla*, *I. Barthii*, *I. attica*, and about 3 dozen named varieties. To bring you up-to-date on my project, it's been expanded and enlarged and I am doing the work on it as an honors project for my senior year. Tentatively the paper will be called '*Stomatat Characteristics and the Determination of*

*Iris Species.* I do not expect just yet that the stoma will prove to be a primary way of determining species, but it shows signs of being quite important as a secondary characteristic. I just finished writing my report of this semester's work, using a special microscope which magnified the field so that it can be traced. I traced examples of every species I had and there are definite similarities within species and definite dissimilarities outside species. This point will be pursued further. The difference in stomata has actually been used for speciation (successfully) on *Salix* spp., so I may just help someone."

#### *Speaking of Spurias . . .*

Interest in spurias is growing by leaps and bounds, especially with the fabulous new varieties introduced in the past couple of years. Perhaps the most captivating literature sent forth was that from Schreiner's Gardens, introducers of Marion Walkers long-long awaited new things. The color photographs are simply delectable: witness the July 1965 AIS BULLETIN cover. Walker Ferguson is continuing to send out newer and finer spurias, and some of Tell Muhlestein's new ones, plus the intriguing varieties with new and little known species sent forth by Ben Hager and Sid Dubose of Melrose Gardens seems likely to win new friends, as are some new developments by Myron Bigger, of peony fame. Edith Coffey, Spokane, Wash., dispels what doubt may linger as to the hardiness of some fine older varieties:

"We surely had snow. And that is another thing in their favor, their hardiness. Our winter began with a bang! 19 degree below zero on bare soil; it killed roses back to the ground; no peach crop; white winter wheat had to be disked and reseeded. I have SUNNY DAYS, WHITE HERON, LORD WOLSELY, WADI ZEM ZEM, SAUGATUCK, MICHIGAN and DUTCH DEFIANCE. They just laugh at any weather, take droughts or too much snow, unseasonable cold, rain, heat, anything the climate throws at them."

From another quarter, Dakota, Ill., Frances Brenner notes: "Here in Illinois spurias are practically unknown. The only spurias I've ever seen here were at the convention tour gardens last year, a display sent by Walker Ferguson." (That we hope will be shortly taken care of)! There's no doubt or dispute that spurias are an admirable garden flower, and certainly need much less care than the bearded irises, as well as extending the iris season. Although Clarke Cosgrove sends an interesting comment on spuria season in San Gabriel, Calif.:

"The spurias for the past several years have started blooming with the tall bearded for me and have not done much about extending the iris season. The spurias would be hard put to outdo the TBs for length of season this year, for the tall bearded have been in bloom for over 6 months!" That report, joyful to irisarian ears, comes from the land of orange blossoms and balmy winters. Clarke also notes, for those who want to start another clump of a favorite variety in another spot, or share their spuria largesse with a friend, "It doesn't hurt to pry out a rhizome or two from even a young clump, but the larger and longer you can leave them undisturbed the better."

#### *Gypsum for "Filler"*

John Keeling, Kent, Washington uses gypsum for "bulk." "I have used gypsum several ways. When I worked up the iris beds, I used it as a

mix to help spread the fertilizer more evenly and thinner. I mixed about 10 parts gypsum to 3 parts superphosphate, 2 parts potash, 1 part commercial 5-10-5, a little trace elements and iron, and 2 parts bonemeal. Kind of a hodge-podge, but it allowed me to spread the fertilizer fairly liberally without over-doing it. Then I also use gypsum to mix with a fungicide, about 20 to 1, and will use it to mix an all-purpose insecticide and fungicide dust."

#### *Iris Salad*

For those of you who are troubled with rabbits in the iris patch, Bill Darr, Millville, New Jersey, writes, "Dried blood is both a rabbit and a deer repellent, as well as a nitrogen fertilizer. It may attract dogs; in that case, add some cottonseed meal."

Bill Carter, Mitchellville, Iowa, gives counsel on rabbit control. "Drop a few moth balls around your prize plants."

Rena Kizziar had reported earlier of a near cat-astrophe in the iris plantings. This time she writes, "For those who may wonder how I made out with the cat—I dispatched him with moth balls. I know this will discourage rabbits, and luckily it also works with cats. Now for a dog remedy! And a remedy for the kids who like to toddle through the iris beds to pick up the moth balls . . ."

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## Exhibitions Committee Report, 1965

WILLIAM T. BLEDSOE, *Chairman*

As this is being written in late July, 109 show reports have been received—a decrease of 18 compared with 1964. We know that several shows were held for which official reports have not been submitted.

VIOLET HARMONY again led the field in BEST OF SHOW awards by being chosen for that honor five times. ROCOCO, BUTTERSCOTCH KISS, GRACIE PFOST, and FIRST VIOLET tied for the runner-up spot with three victories each.

Thirty-eight states reported shows. California led with 14, followed by Texas with 10, Kansas with 9, and Alabama and Oklahoma with 7 each.

Many of the shows were large. Modesto, California exhibited 842 entries to 4,000 viewers; Minneapolis, Minnesota had 837 entries and 15,000 spectators; Las Vegas, Nevada, showed to 7,250 lookers.

Again interest ran high in the exhibition of seedlings. Judges viewing the Salt Lake City show voted five Exhibition Certificates by individual ballots alone! More than half of the shows exhibited a seedling class.

Nearly all shows provided for entries in more than one section of irises. Special shows were held in California for arils, in Kansas for the medians, in Louisiana for the Louisianans, and in Iowa for the Japanese.

More and more, show committees are providing competition for the younger irisarians. This is a trend which we hope will become wide-spread.

It has long been my feeling that an iris show is an important means of attracting new growers and AIS members. In 1966 I hope that the record will be even more impressive. Especially do I urge that every show be officially reported!

## Award Winners, AIS Shows, 1965

<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Variety</i>	<i>Best of Show Exhibitor</i>
ALABAMA					
Bessemer	Mrs. J. P. Oakley	Eunice Leech	Flower Haven	SO SWEET	Dr. Maude Tipton
Birmingham	The E. P. Miles	The George Olveys	Nursery	PIETY	Mrs. R. P. Van Valkenburgh
Birmingham	Margaret Marcum	Mrs. E. P. Miles	Mrs. H. M. Lollar	PINNACLE	Mrs. Chas. Stone
Gadsden	Bill Ponder	Perry Morton	Mrs. Elmer McDougall	VIOLET HARMONY	Perry Morton
Guntersville	The Floyd Garners	Mrs. A. I. Kuykendall	Mrs. Perry Morton	BUTTERSCOTCH KISS	The Floyd Garners
Huntsville	Mrs. R. P. Van Valkenburgh	Mrs. B. W. Branumn	Mrs. A. I. Kuykendall	PIETY	Rachael Fraser
Tarrant	Mrs. E. F. Holmes	Mrs. Ronald Hatchcock	Mrs. J. A. Rollestone	MAD HATTER	Mrs. E. F. Holmes
ARIZONA					
Chandler	Mary Reed	Ralph Johnson	Barton Nursery	STEEPLE CHASE	Ralph Johnson
Tucson	Mrs. N. W. Jasper	Mrs. V. H. Verity	Mrs. Felix Jenkins	BLUE RHYTHM	Mrs. Boyd Hunt
ARKANSAS					
Hot Springs	Mrs. Joe Woracek	Myrtle Cox	Mrs. Vay Sargo	HIGH HEELS	Nola Smitherman
Little Rock	Mrs. Leo Whitten	Mrs. Mary E. Williams		INDIGLOW	Mrs. Edith Smith
CALIFORNIA					
Arcadia	Grace Kallam	Dr. Clarke Cosgrove		GLITTERING GOLD	Lee Hitz
Bakersfield	Alberta Dillard	Winifred Hawkins		WHITE HERON	Selma McKay
Escondido	Mrs. Wayne Weaver	Jesse McNeel		NOMOHR	Mrs. Edgar Thurston
Gridley	Alma Harroun	Gertrude Haynes		MAD HATTER	Elizabeth Richardsor
Modesto	Dan Miller	Dessie Price		DARK SPRINGTIME	Violet Lorenz
Mt. Shasta	Donna Brooks	Flossie Kohn		BANG	Dan Miller
		Mrs. Paul Decker		CLIFFS OF DOVER	Donna Brooks



<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Variety</i>	<i>Best of Show Exhibitor</i>
Oakland Redding	Joseph Ghio Avis Cullis	The Carl Boswells J. H. Rogers	Andrew Houck Erman Ballard	GRINGO FANCY WORK	Joseph Ghio Helen Gaines
Redlands	C. C. Thompson, Jr.	Mrs. J. H. Rushing	Valley End Iris Garden, Court of Iris	MARY McCLELLAN	C. C. Thompson, Jr.
Riverside Sacramento	Harry Tate Mrs. L. F. LeLay	Mrs. Wayne Weaver Harry Williams	C & A Gardens Sacramento Aril Soc.	ROCOCO NOB HILL	Mrs. Wayne Weaver Harry Williams
San Diego San Jose Ukiah	Lois Weaver Don Peterson Jean Near	Walter McNeel Mildred Scott Don Musser	Edith Cleves Knopf Iris Gardens Maynard Knopf	ROCOCO OPULENT ARGUS PHEASANT	Lois Weaver Thelma Herring Mary Workley
<i>COLORADO</i> Ft. Morgan	Everett Lumpkin	Viola Spatts		GLITTERING AMBER	Everett Lumpkin
<i>CONNECTICUT</i> Hartford	Bee Warburton	Frederick Gadd	Marie Newell	PAMELA ANN	Harry Kuesel
<i>GEORGIA</i> Atlanta Rome	Harry Turner Mrs. Paul Roach	Mrs. W. P. Allen Mrs. George Sherman		ROCOCO SKY RANGER	Mrs. W. P. Allen Mrs. Glen Prater
<i>IDAHO</i> Boise Buhl Weiser	Ruby Lindsey Mrs. Ed Conrad Vera Moyer	Norma Dominick Mrs. John Pastoor Hattie Jackson	Mrs. Floyd Bandy	CELESTIAL BLUE PIERRE MENARD FIRST VIOLET	J. J. Camenzind Mrs. Albert Toberer Mrs. Ed Gillispie
<i>ILLINOIS</i> Hinsdale	Leonard Juggle	Sherman Kindell		RIPPLING WATERS	Mrs. E. T. Drake
<i>INDIANA</i> Indianapolis	Earl Roberts	H. W. VanTreese		BUTTERSCOTCH KISS	Emma Hobbs

<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Variety</i>	<i>Best of Show Exhibitor</i>
IOWA					
Davenport	Ford L. Grant	Frank R. Foley		SUMMER STORM	Ford L. Grant
KANSAS					
Garden City	Mrs. Carl Strawn	Mrs. J. F. Trimpa		BUTTERSCOTCH KISS	Mrs. Robert John
Hutchinson	G. A. Bender	Eula Stout		MINNIE COLQUITT	Mrs. Bufold Ramsey
Liberal	Mrs. J. H. Salley	Carla Taylor		DISPLAY	Russell Graves
Oberlin	Mary Heiz	Agnes Duesberg			
	Herbert Graves				
Parsons	Mrs. Nelson Marquies	Mrs. G. C. Young		CATHEDRAL BELLS	Mrs. Nelson Marquies
Spivey	Anna P. Dunham	Dorothy Young		SKY RANGER	
Topeka	Ruby Morgan	Mrs. E. A. Slater		CLIFFS OF DOVER	B. L. Haines
Wichita	Velma Carlson	Roberta Torrey		BLUE DENIM	Mrs. E. A. Slater
Wichita				ICE 'N' LIME	Verna M. Ewing
KENTUCKY					
Lexington	F. P. Brewer	Mrs. D. F. Hill		ECSTATIC NIGHT	F. P. Brewer
Louisville	Winnie Ketzner	Mrs. J. R. Burns	Mrs. J. H. Drake	VALIMAR	Mrs. C. D. Overholser
LOUISIANA					
Lafayette	Mrs. Fred Taylor	C. W. Army		G. W. HOLLEYMAN	G. W. Holleyman
MAINE					
Auburn	Gerald Gardens	The Mollicones		CAROLINE JANE	The Mollicones
MASSACHUSETTS					
Boston	Mrs. I. W. Fraim	Mrs. B. H. Rice		HIGH SEAS	Mrs. I. W. Fraim
W. Springfield	Mrs. F. W. Warburton	Jack Goett	Mr. and Mrs. Donald Tufts	BLUE BARON	Kenneth Waite
Worcester	H. L. Plumley	Carleton Ulm	G. H. Pride Jacqueline Bailey	TAHOLAH	G. H. Pride
MICHIGAN					
Fairview	Laurel Lawe	Verda Stonebraker	Evelyn Robarts	GRACIE PFOST	Eddie Yoder
Flint	Mrs. Walter Piggott	Mrs. A. L. Barr	Darrell Rose	PIETY	Mrs. A. L. Barr
Lansing	Mrs. H. E. Cope	Mrs. Edward Robinson	Darrell Rose	MOULIN ROUGE	Mrs. H. E. Cope
MINNESOTA					
Bagley	Lulu Skare	Mrs. Walter Halverson		BLUE SHIMMER	Elmer Walde

<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Variety</i>	<i>Best of Show Exhibitor</i>
Minneapolis	G. B. Gable	Urban Ipsen	G. B. Gable W. G. Sindt Walter Carlock	JUDY MARSONETTE	G. B. Gable
MISSISSIPPI Jackson	Mrs. Warren Greff, Sr.	Mrs. F. C. McCann	Jackie Henley	NEW SNOW	Mrs. R. C. Roberts
MISSOURI Mountain Grove	Ethel Elsey	Mabel Gambill		CHIVALRY	Ethel Elsey
Neosho	Florence Brower	Ada Salsman		BLUE RHYTHM	Ada Salsman
Washington	Agnes Meyer	Mrs. Alvin Kappelmann		TORRID ZONE	Agnes Meyer
MONTANA Great Falls	Mrs. Elvin Bell	Mrs. L. G. Hatcher		PAPER DOLL	Mrs. Harris Reynolds
Missoula	Mrs. M. A. Price		Garden City Floral Co.	LYNN HALL	Mrs. Howard Venetz
	Mrs. Merritt Cass		Missoula Iris Soc.		
NEBRASKA Crete	Mrs. Edward Hesh	Mrs. Frank Parks		MARY RANDALL	Mrs. Rudy Winkler
Hay Springs	Mrs. Lloyd Hastings	Mrs. Wallace Hines		CASTLE ROCK	Mrs. Jack Hastings
NEVADA Las Vegas	Mrs. Marvin Ray	Mrs. Hugh Zug		DREAMY	Mrs. Wilmer Fisher
NEW MEXICO Albuquerque	Mrs. W. R. Hooper	Dr. Abe Rosenzweig		WHOLE CLOTH	Mrs. E. G. Gould
Roswell	Mrs. Joe Mims	Mrs. Clarence Hinkle		FIRST VIOLET	Mrs. T. H. Boswell, III
NEW YORK Oyster Bay	William Peck	Mrs. T. R. Higgins	William Peck Guy Wood	DOT AND DASH	Eva Liebegott
Rochester	Warren Mack	Mrs. Lynn Carmer		BRAVE BANNER	A. F. DeGroat
NORTH CAROLINA Charlotte	Mrs. J. T. Allen	Mrs. G. L. Whicker	Howard Farris Frank Sherrill	VIOLET HARMONY	Mrs. C. H. Boone
OHIO Akron	Mrs. Wm. Zavortink	James Rawdon		SNOW FLURRY	Mrs. Donald Moxley

<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Variety</i>	<i>Best of Show Exhibitor</i>
Cleveland	Mr. and Mrs. Anthony Willott	Steve Moldovan	Mrs. H. S. Shinkle	NYLON LOVELINESS	Mr. and Mrs. Anthony Willott
Dayton	Mrs. Harry Wilkie	D. A. Rawlins		FIRST VIOLET	D. A. Rawlins
Springfield	Mr. and Mrs. Russell Fenton	Mrs. Douglas Prosser		ILLUSTRIOUS	Mrs. D. W. Mallett
<b>OKLAHOMA</b>					
Enid	Mrs. C. D. Ruhl	Florence Will		INDIGLOW	Bill Frass
Miami	Mrs. Bob Crockett	A. L. Soas		RUFFLED ORGANDY	Mrs. John Carroll
Oklahoma City	Mrs. Floyd Doty	Mrs. H. B. Hensel		UTAH VALLEY	Mrs. H. B. Atkinson
Quartz Lodge	Mrs. John Hayes	Mrs. R. P. Dempsey		NUEVO LAREDO	Mrs. John Hayes
Shattuck	Bill Frass	Florence Oliver	Mrs. Geo. Trenfield	DENVER MINT	Bill Frass
Stillwater	Mrs. E. B. Austin	Wayne Drumm		FLUTED COPPER	Mrs. E. B. Austin
Woodward	Mrs. H. V. Glitsch	Arnold Woodall		TRANQUILITY	Amos DeWolfe
<b>OREGON</b>					
Portland	C. F. Calkins	Violet Martin	R. J. Beattie	PIERRE MENARD	Dorothy Booth
<b>PENNSYLVANIA</b>					
Newton Square	F. E. Carr	John Lyster		GRACIE PFOST	John Lyster
Pittsburgh	Sophia Moiles	Mrs. W. P. Hill		SIERRA SKIES	Sophia Moiles
	Mrs. J. W. Dougherty				
<b>SOUTH CAROLINA</b>					
Columbia	Mr. and Mrs. B. F. Martin	Mr. and Mrs. J. A. Tyler, Jr.	Mr. and Mrs. H. H. Nichols	HORNED FLARE	Mr. & Mrs. C. M. Laughinghouse
Fort Lawn	Mrs. R. M. Roddey	Mrs. W. S. Clary		VIOLET HARMONY	Mrs. R. M. Roddey
<b>SOUTH DAKOTA</b>					
Britten	Mrs. Frank Mock	Anna Beck		LADY BOSCAWEN	Mrs. Akerson
<b>TENNESSEE</b>					
Memphis	Mrs. W. C. Sloan	Mrs. Shirley Sides	Guy Robbins	GRACIE PFOST	Smith Garden
<b>TEXAS</b>					
Dallas	L. C. Wolford	Martin McMillan		SENTIMENTAL JOURNEY	Mrs. Ara Allstadt
Dallas	Mrs. E. L. Raney	Mrs. Phil Lawrence		MARY McCLELLAN	Mrs. E. L. Raney

<i>Place of Show</i>	<i>Silver Certificate</i>	<i>Bronze Certificate</i>	<i>Commercial or Educational Exhibit</i>	<i>Variety</i>	<i>Best of Show Exhibitor</i>
El Paso	Mrs. L. W. Thayer	D. O. Tohill	Mr. and Mrs. R. T. Clark	JALLAH AD DIN	Mr. and Mrs. J. C. Sexton
Ft. Worth Gainesville	L. C. Wolford Mrs. J. M. Leonard, Sr.	Mrs. E. L. Raney Mrs. Hubert White		CLAUDIA RENE MELODRAMA	Mrs. R. C. Blevins Mrs. J. M. Leonard, Sr.
Grand Prairie Odessa	Jimmy Williams Mrs. L. A. Picklerling	Mrs. J. C. Bailey Mrs. Murry Fly	Mrs. Joe Long	VIOLET HARMONY MOHR COURAGEOUS	Mrs. Joe Long C. O. Taylor
Temple	Mrs. Preston Childers	Mrs. Lulu Moeller Mrs. Reed McAlexander		STARSHINE	Mrs. F. J. Kostohryz
Waco	Mrs. Cecil Garner	Mrs. A. R. Federwisch		SNOW GODDESS	Mrs. J. D. Moore
Wichita Falls UTAH	Mrs. W. R. Lunsford			LYNN LANGFORD	Mrs. W. R. Lunsford
Ogden Salt Lake City WASHINGTON	Ellis Wilson Bion Tolman	W. E. McClure John English	Tell Muhlestein	ARCTIC FLAME MEMPHIS LASS	Ellis Wilson John English
Ardenvoir	Mrs. R. H. Warner	Mrs. James Craig	Eden Road Iris Garden Noyd's Iris Garden Austin Morgan	BEECHLEAF	Mrs. R. H. Warner
College Place	Genevieve Grant	Frances Perkins		STRIPED BUTTERFLY	Mrs. Chet Emerson
Richland Seattle	Orin Beinhart Violet Conrad	Mrs. Frank Bodner Charles Carper	Brown's Iris Garden Jean Witt	NEW SNOW LEORA KATE	Mrs. C. A. Colvin Rex Brown
Spokane Tacoma WEST VIRGINIA	Dorothy Guild Frank Gropper	T. G. Powell Keith Kernkamp		NOMOHR MOUNTAIN MUSIC	Mrs. F. H. Nickell Frank Gropper
Morgantown Parkersburg	H. C. Walker Esther Wineman	George Wilson Ethel Reynolds	Roberta McMuellen	MASTER CHARLES DUKE OF BURGUNDY	George Wilson Roberta McMullen
WISCONSIN Milwaukee	Mrs. Edward Miller	Mattie Reinhardt		VIOLET HARMONY	Edward Boese

<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
<i>Alabama</i>			
Bessemer		Mrs. W. P. Sitz	
Birmingham		Mrs. Alton Lawrence	
Birmingham		Mrs. E. M. Irwin	
Gadsden		Mrs. Willis Loren	
Guntersville	Mrs. Perry Morton 60-57	Mrs. Mary Landers	Mrs. Elmer McDougall
Huntsville	Dr. A. G. Finlay 205	Mrs. C. N. Mabie	Mrs. Mary Landers
Tarrant	Dr. L. E. Fraser 59-2A	Mrs. E. M. Irwin	Mrs. H. B. Allison
<i>Arizona</i>			
Chandler	Mary Reed—No Number	Marion Scarborough	Marion Scarborough
Tucson	Mrs. J. T. Gentry 59-13		
<i>Arkansas</i>			
Hot Springs			Connie Wright
<i>California</i>			
Arcadia	Lura Roach—WATUŠI	Mrs. Alex Ruby	Mrs. Alex Ruby
	Polly Anderson—BLUE DOUGLAS		
Bakersfield	Walker Ferguson 61 WG	Beatrice Hattley	Beatrice Hattley
Escondido	Alma Harroun #2	Bob Kirkpatrick	Elladee Kylling
Gridley	Keith Keppel 61-48D	Elladee Kylling	Pansy Dolezal
Modesto		Myra Hughes	Mrs. Paul Decker
Mt. Shasta		Sue Cobun	Mrs. Anthony Talarice
Oakland	Larry Gaulter—NOB HILL	Mrs. Frances Radcliff	
	Larry Gaulter 65-50	Mariann Annand	
	L. T. Clark—No Number	Maxine Cook	Violet Plumb
Redding		Violet Plumb	Peggy Ephland
Redding			
Riverside	Maybelle Nelson 64-N		
	Eleanor McCowen 65-21		
Sacramento	Carl Quadros 60-31	Mrs. Michael Thomas	
San Diego	Walker Ferguson 64-1	Maisie Dodge	
San Jose	Walter Luihn 64-9	Evalyn Hudson	
Ukiah	Maynard Knopf 64-29	Mona Stipp	Jean Near
<i>Colorado</i>			
Ft. Morgan	Fay Edelman GR-9	Dorothy Spotts	Dorothy Spotts

<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
<i>Connecticut</i> Hartford	Frederick Gadd 15-42 Ruth Stephenson 61-1	Mrs. Sam Troncalli	Mrs. Sam Troncalli
<i>Georgia</i> Atlanta	Wilma Vallette—DARK CLOUD	Mrs. Ivan Mink Mrs. Earl Craig	Mrs. Alfred Kramer Mrs. Earl Craig
<i>Idaho</i> Buhl Weiser	Lerton Hooker 3723 James Marsh 62-4 James Marsh 63-56	Lillian Dushek	Lillian Dushek
<i>Illinois</i> Hinsdale	Donald Anderson 45-27	Mae Carter	Frieda White
<i>Indiana</i> Indianapolis	Floyd Jones 61-3B	Mrs. Ralph Kay	Mrs. Ralph Kay
<i>Iowa</i> Davenport	Mrs. Dora Wall 58-1	Mrs. Carl Strawn Mrs. Harry Spence Martha J. Dixon Mrs. L. W. Simpson Laura Romick	Mrs. Carl Strawn Martha J. Dixon Laura Romick
<i>Kansas</i> Garden City Hutchinson Spivey Wichita Wichita	Henry Rabe 59-14 Mrs. C. D. Overholser 6-63	Mrs. R. C. Walsh Mrs. H. J. Willenbrink	Mrs. H. J. Willenbrink
<i>Kentucky</i> Lexington Louisville <i>Louisiana</i> Lafayette	Sam Redburn—LADY FLORENCE	Josephine Wiggins	
<i>Maine</i> Auburn	Brooks Quimby 63-1	Mrs. Chester Merrill	
<i>Massachusetts</i> Boston West Springfield Worcester	Mrs. P. E. Corey 44 AA George Melnick P124A H. L. Plumley 6313	Mrs. John Gorrod	Mrs. John Gorrod

<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
<i>Michigan</i>			
Fairview	Mrs. Evalyn Robarts MR-SH-1	Bobby E. Jenner	Letha Shantz
Flint	Clare Dean M-11	Mrs. Weldon Childs	Mrs. Weldon Childs
Lansing		Mrs. George Babcock	Mrs. George Babcock
<i>Minnesota</i>			
Bagley		Mrs. Elmer Walde	Mrs. Carl Gulsvig
Minneapolis	Rev. P. E. Folkers 65-1	David Sindt	
<i>Mississippi</i>			
Jackson		Mrs. A. C. Griffin, Sr.	
<i>Missouri</i>			
Mountain Grove		Mrs. Hazel Summers	Bob Bailey
Neosho	Bob Bailey—No Number	Mrs. Media Feasel	Mrs. Alfred Kampschroeder
Washington		Mrs. A. F. Peterson	
<i>Montana</i>			
Great Falls		Mrs. Henry Blend	Mrs. Henry Blend
		Elizabeth Walters	Mrs. Dewey Marino
		Mrs. Howard Venetz	
Missoula	Mrs. M. A. Price—No Number		
<i>Nebraska</i>			
Crete		Mrs. Frank Parks	Mrs. Frank Parks
Hay Springs		Pamela Hodgins	Mrs. Jack Hastings
<i>Nevada</i>			
Las Vegas	J. R. Sanfratel—No Number		
<i>New Mexico</i>			
Albuquerque		Mrs. Vivian Beckley	Mrs. A. S. Patterson
Roswell		Mrs. A. S. Patterson	
<i>New York</i>			
Oyster Bay	Emanuel Dannett 200-62	Mrs. Robert Gay	Mrs. A. S. Patterson
<i>North Carolina</i>			
Charlotte	Mrs. G. L. Whicker—No Number		
<i>Ohio</i>			
Akron	Myron Beard—64-12	Mrs. Peter Vincenski	Mrs. Z. B. Prentiss
Cleveland	Mr. & Mrs. Anthony Willott 63-D-1	Mr. and Mrs. J. E. McClintock	Mr. and Mrs. J. E. McClintock
Dayton	H. A. Wright 6201	Mrs. William Merz	
Springfield	Edmond Seigling 61-2	Mrs. William McNeil	



<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
<i>Oklahoma</i>			
Enid		Mrs. Jake La Duke	Mrs. Jake La Duke
Miami	Mrs. Clyde Cochran 569-63G	Mrs. W. Q. Barnes	Mrs. T. J. Archer
Oklahoma City	Helen Masterson 62-14	Mrs. Floyd Doty	Mrs. Floyd Doty
Quartz Lodge		Mrs. O. E. Zumwalt	Mrs. O. E. Zumwalt
Shattuck		Mrs. Levy Park	Mrs. Thurman Banks
Woodward	Thiela M. Clark 6055	Florence Oliver	Mrs. George Trenfield
<i>Oregon</i>		Mrs. Elmer Randall	Mrs. Elmer Randall
Portland	R. J. Beattie 62-11	Joan Curry	
<i>Pennsylvania</i>			
Newton Square		Mrs. W. T. Hirsch	
Pittsburgh		Mrs. James Frank	
<i>South Carolina</i>			
Ft. Lawn		Mrs. Steve Ghent, Jr.	Mrs. W. K. Chapman
Columbia		Mrs. D. P. Dugan	
<i>South Dakota</i>			
Britton		Betty Copland	
<i>Tennessee</i>			
Memphis		Mrs. M. J. DiSalvo	Mrs. M. E. Hoffman
<i>Texas</i>			
Dallas	Mrs. A. M. Tallmon 65-02	Mrs. W. S. Dood	Mrs. W. S. Dood
Dallas	R. E. Vache 30-1	Mrs. C. K. Dean	Mrs. C. K. Dean
El Paso	J. C. Sexton 6231	Mrs. R. T. Clark	Mrs. T. G. Harris
Fort Worth	L. E. Flanagan, Jr. 61181-3	Mrs. James Caldwell	Mrs. R. E. White
Gainesville		Mrs. Dock Teague	Mrs. Claude McCarty
Grand Prairie	C. O. Taylor 63-13	Mrs. R. L. White	Jimmy Williams
Odessa	W. I. Ross D-4-61	Mrs. F. E. Martin	Mrs. F. E. Martin
Waco			
Wichita Falls			
<i>Utah</i>			
Ogden	Herb Spence S62-2-4E	Jan Daley	Mrs. W. R. Lunsford
			Vicki Stratton

<i>Place of Show</i>	<i>Exhibition Certificate</i>	<i>Best Arrangement</i>	<i>Artistic Sweepstakes</i>
Salt Lake City	George Mayberry 59-19-1 Bion Tolman 52-200-1 Bion Tolman 57-200-1 Tell Muhlestein 115 George Mayberry 60-32-1	Gladys Reynolds	Mildred Johnson
<i>Washington</i> Ardenvoir College Place	Mrs. James Craig—No Number	Mrs. R. H. Warner Mrs. Jake Smith Mrs. Robert White Mrs. J. M. Shirley Phyllis Ritzenthaler	Mrs. D. E. Wolf
Richland Seattle	Rex Brown 61-31-3 Alta Brown M512-8 Fred Crandall 62-07 Mrs. True Wilson—No Number	Mrs. Larkin Powell Mrs. Frank Susan	Mrs. C. A. Colvin Mrs. J. C. Flagler
Spokane Tacoma	Wineman-Davidson—GREEN TEA	Mrs. Arthur Chipps Esther Wineman	Mrs. M. J. Elder Mrs. Frank Susan
<i>West Virginia</i> Morgantown Parkersburg	Mrs. Mattie Reinhardt 65-4	Jean Blink	Mrs. Arthur Chipps Roberta McMullen Ethyl Reynolds
<i>Wisconsin</i> Milwaukee			Jean Blink

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# *Problems in Exhibition Judging*

WILLIAM T. BLEDSOE

Each year problems arise in iris shows throughout the country and are referred to the Chairman, Exhibitions Committee. 1965 has been no exception! Debatable points arose and were discussed or ruled on, depending on what the individual case seemed to require. Since this was my first year for this responsibility, I did not hesitate to advise frequently with my predecessor, Dr. J. Arthur Nelson, whose years of experience in arbitration of misunderstandings over shows have rewarded him with mellow and mature judgment in such matters. Some of the problems are of general interest, and I have written this article to offer what I think are sound answers for certain questions that seem inevitably to arise.

Some of the less objective problems that the Exhibition Judge faces in a show stem from mixing (consciously or unconsciously) garden judging concepts with exhibition judging procedures. On the show bench there are two basic questions the judge must answer:

a. How good is this iris as a specimen of its variety: In the color, form, size, and substance of the flower; and in the stalk with its typical branching and placement of blooms and buds?

b. How well has this specimen been grown, and how acceptable are its condition and its grooming?

Except in selecting the "Best of Show," a subject that is discussed in a subsequent paragraph, the Exhibition Judge does not concern himself with trying to determine whether one variety is better as an iris than is another. That is the duty of the Garden Judge! If we will keep that basic concept in mind, our job will be simpler.

## *Composition of a Panel of Horticultural Judges*

At the 1965 spring meeting in Memphis, the Board of Directors changed the show rule that required "at least one AIS-accredited judge" for any horticultural judging panel to a requirement that any such panel must have a majority of AIS-accredited judges. (See page 97, AIS BULLETIN 178, July, 1965.)

There is a big difference, and show chairmen should take especial note! An AIS-accredited judge may work alone as a panel of one. But any panel with more than one member must have a predominance of AIS judges. This would work out to proportions, as follows:

<i>Number in Judging Panel</i>	<i>Number of AIS Judges Required</i>
1	1
2	2
3	2
4	3
5	3

## *Seedlings Entered in Shows*

Prior to publication of the new *Handbook for Judges and Show Officials, 1965*, the last published show rules were in *Color Classification, 1963*. The two sets of rules differ in the definition of a seedling: The 1965 version provides that an un-introduced iris can be shown as a seedling; the 1963 edition stated that a registered iris (cultivar) was eligible for all ribbons and

other awards offered in the horticultural division. Hence, a seedling was an unregistered iris. Some of the 1965 show chairmen had access to a draft copy of the new rules and made their schedules conform, but many continued under the present provisions of the earlier requirements. As a result, we had the rather amusing predicament in California of a registered, but un-introduced, seedling winning an award as best seedling in one show (1965 rules), while in another show in a nearby city on the same day it won the award as the best iris of the show (1963 rules). Now that the current rules have been published, this cannot correctly happen again.

The question often arises: May a seedling be entered in a show by an exhibitor who is not its hybridizer? Any answer to this question must rest on two basic premises:

a. The hybridizer of a seedling is the individual who grew it from a seed (not necessarily the same person—it might have been a bee—that cross-pollinated the blooms to form the seed).

b. Any entry of a seedling in a show must be in the name of the hybridizer, because the Exhibition Certificate, when bestowed, must be awarded to the hybridizer.

It is true that seedlings are sometimes brought to the show by a person other than the hybridizer. This should be with the express permission of the hybridizer, however, and the entry tag should carry the name of the hybridizer as the exhibitor. Under normal circumstances, a hybridizer would unquestionably agree to allow a friend to take his seedling to a show. But if the plant had been distributed originally as a breeder only, or if several years have elapsed since its distribution, the hybridizer might not want it exhibited. Hence the necessity for his permission before another person is allowed to enter it in a show.

One final word about seedlings: The rules specifically provide that a seedling must be entered under its identifying number or under its name, if it has been registered. Yet several show reports gave only the parentage, which is not required and which cannot be included on the Exhibition Certificate for lack of space. Obviously, the award should be for a specifically identified seedling, and show chairmen should assure that each entry conforms to this requirement.

#### *Certificate Awards for Horticultural Entries*

Certificate awards, at present, are for horticultural entries only. There are none for artistic arrangement classes. The rules do provide for the awarding of rosettes to the prize-winning arrangements, if the show committee desires. It is emphasized that the Section Certificates are for the sweepstakes winner in each horticultural section, and not for the best specimen of that section!

#### *Commercial Exhibits and Educational Exhibits*

A show may have as many of these exhibits as the show committee wants. They should not compete against each other. Each exhibit is evaluated as to its worthiness for the Bronze Certificate for excellence. It is possible, therefore, for more than one award to be given—in fact each individual exhibit could be awarded the Bronze Certificate. Since they do not compete against each other, the awarding of ribbons is not authorized.

#### *Selecting the Best of Show*

From this important and required action of judges has arisen considerable controversy! One school of thought contends that the newest variety in the

show should be selected for this honor, regardless of the quality of the specimen, ignoring completely entries of competing older varieties. Another concept provides that "Best of Show" means literally the best specimen of the show, regardless of the fact that it may be representative of what was considered a good iris twenty years ago but might fall short by current standards of garden judging. Somewhere in between these extremes, in my opinion, lies the solution to this problem.

If irises were pretty much all at the same approximate stage of "evolution," there would be no question. The winner would be the specimen that is most nearly perfect for its individual variety. However, we still have specimens of some of the really old ones entered in shows—and some have characteristics which leave much to be desired in educating our public to appreciate and to grow the better irises. I am fully aware that I am edging pretty close to the principles of garden judging when I say this.

Technically, in exhibition judging the specimen most nearly perfect for its variety should be selected as the winner, and unquestionably this should be followed to the letter in the judging of the individual classes. But when it comes to selecting the Best of the Show, the entry that we will place on a pedestal and tell the public, in effect: "This is the one iris that most nearly epitomizes all of the best qualities that a superior iris should possess!"—then we have gone beyond saying: "This is the iris that is most nearly perfect for its variety!" I think that the public's attitude toward the "Best Specimen of the Show" has definitely changed to the point where perhaps we should call it the Best Iris of the Show." The new Handbook spells it out thus: "The best specimen of a show should be the one exhibiting characteristics most nearly perfect for its kind. This does not mean that only the latest introductions can qualify for this honor, but an old variety of obviously inferior characteristics should not be chosen, even though the entry may be an excellent specimen of its variety."

Perhaps I can sum up all with this statement: The Best of Show should be the specimen most nearly perfect for its variety, provided that variety is reasonably representative of what most of us consider to be a good iris by current standards. That still leaves much to the judgment of the individual judge, but I doubt that we will ever get completely away from a certain amount of that, however we make our determination.

It is easy to see from this discussion that show rules seldom are complete and specific to the degree that misinterpretations are impossible. We are continuing to work toward that desirable state, however!

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## DON'T LOSE THAT ROBIN

The post office will give you FREE as many sheets of green and white stickers marked FIRST CLASS as you need. Paste these front and back and along the edges of every robin envelope. Better yet, get from a business stationery counter or store those large white envelopes with the one inch green triangles all around the edges. If you do that, then those first class robins will be treated as such. Other people don't recognize the importance of an old battered brown envelope, particularly when you are sick, on vacation, or when mail has to be forwarded. It takes special treatment to do the trick.

# *Answer to Criticism*

H. CASTLE FLETCHER, B.Sc.

While on the continent of Europe earlier this year and after hearing the bitter comments from irisarians from Germany, France, Italy and Great Britain on the article published in the Bulletin of the American Iris Society No. 177 of April 1965—pages 12 to 15, I was asked to make some factual observations in order to correct the quite erroneous impressions created by the writer of that article.

Firstly, let me say that I agree with much that he wrote, but reference to what nurserymen were doing seventeen years ago gives a totally wrong impression of the picture today.

Things move fast in the iris world and it is to present day evidence that one must turn for inspiration. Recent iris shows of the British Iris Society in London have revealed some of the advances made in British-raised irises and the modern trend amongst nurserymen, as shown in the trade exhibits, but to qualify for the tall statement of having seen the finest irises on both sides of the Atlantic it would be necessary to visit the nurseries and hybridizers' gardens regularly. There are none on this side of the Atlantic who confirm that he has so visited them; and I had the personal experience at our 1965 Iris Show of drawing his attention to the British Dykes winner for the previous year, which he confessed he was seeing for the first time.

After attending the American Iris Society's 1959 Convention I would not have ventured to claim more than having seen *some* of the finest irises on that side of the Atlantic.

The significant lack of "chapter and verse" references throughout the article makes it sometimes a matter of conjecture as to where and at whom the criticisms are aimed, but sometimes even conjecture is not possible. A case in point is an "out of context" quotation which we are told appeared "in a gardening paper" from the pen of a nurseryman. To obtain authenticated views of a nurseryman I recommend an article by Laurence Neel of the Orpington Nurseries (B.I.S. *Year Book* 1964 pp. 60-63) as an extremely rational, well-balanced presentation of the facts concerning modern irises raised both in the U.S.A. and Great Britain, in which (*inter alia*) he refers to the many other Sections besides TBs., in which British hybridizers are meeting with success. Mr. Neel makes it quite clear that he was writing to counter just such criticisms as appear in the April Bulletin.

When these criticisms go outside Britain and are coupled with such terms as "so-called trials" conducted in certain European cities, and the Florence achievement is referred to as "ballyhoo," he is going too far—outrageously so—and it is not surprising that our friends in Europe are gravely upset and deeply hurt.

I suppose I am the object (or one of them) of the rebuke "uncritical adulation of its friends." I have been critical in my advice to those responsible, but I do not destructively broadcast my criticisms to those not concerned with the running of the Florence garden.

To expect to get a list of irises being grown in the Florence garden so that growers be "told exactly how many and which irises are being grown and judged" is of course contrary to the fundamental concept of the contest,

to which I will refer later. Not only have the essential rules been published (AIS Bull. No. 153, p. 54 and p. 59 and B.I.S. *Year Book* 1958 p. 84) but the writer of the Bulletin article under review must have received a complete copy with his entrance-form each time he submitted plants for competition in the past. A curiously ill-informed statement to the effect that "many of the things on trial were inferior ones which had won no awards in their countries of origin" cannot be allowed to pass: the rules set out quite clearly that the competition is for new irises, a period of more than three years after naming or introduction being a disqualification, so one would hardly expect previous awards of any consequence to have been gained. In future the chances will be even less as this period of eligibility has quite recently been reduced to two years. Incidentally, the period for the plants remaining in the ground before judging has been increased by one year, *i.e.*, it will now be 2½ instead of 1½ years, to allow full development as a garden clump; this has met one of my former criticisms.

The fundamental concept of the Florence trial, to which I referred earlier, is *anonymity*. The entrants send their plants under their own code numbers with the varietal name or seedling number in a sealed envelope, the code number only appearing on the outside. These entries on arrival are re-coded with garden numbers, so it is quite impossible, even if anyone so desired, to "tip off" one of his friends visiting Florence as to the identity of his entries. It precludes the possibility of judges voting for the hybridizer, such a practice being deplored as is that of the art critic who will only pass judgment on a picture if it is signed! Therefore, I do not understand the criticism about not being able to obtain the names of the irises "being grown" in Florence.

Immediately the judging for any year is finished the varieties are decoded, the sealed envelopes opened and the names of the winners released. These eventually appear in the appropriate publications of the various iris societies throughout the world. The names of the "also-rans" can be seen on the plant labels in the garden: they are not published, which is as it should be: a touch of politeness—a courteous regard for the possible sensitive feelings of the losers.

I give here references only to the publications of the American and British Iris Societies in which are annual winners appear.

<i>Year</i>	<i>AIS Bulletin</i>	<i>B.I.S. Year Book</i>
1957 & 1958	No. 150 p. 38	p. 81-91 (1958)
1959	No. 155 p. 17, 50, 57	p. 42
1960	No. 158 p. 35, 36	p. 38
1961		p. 41
1962	No. 167 p. 46	p. 43
1963	No. 170 p. 23	p. 38
1964	No. 174 p. 11	p. 49

Various slapdash suggestions are made, unsupported, in the article under review such as ". . . a lack of real competition," ". . . experienced growers and hybridizers can hardly be blamed if they fail to take the trial seriously," and "that the leading American hybridizers were not represented here." It is not clear if this last refers only to 1964 or to the garden generally.

The best way to answer it is to give the names of those U.S.A. raisers who

have successfully taken part, all of which data can be obtained from the published information reference above.

I would not venture to say whether or not they are the leading American hybridizers, nor would I place them in order of merit. Therefore I give them below in alphabetical order.

List of American hybridizers whose names have appeared in the Florence Awards:

Ronald J. Beattie	Mrs. Georgia Hinkle
Clifford Benson	David Lyon
Roy Brizendine	Grant E. Mitsch
Opal Brown	Tell Muhlestein
M. J. Brownell	*Mrs. Serlena Reynolds
*Mrs. Laura Burbridge	George A. Shoop
Charles Caldwell	*William Schortman
Paul Cook	The Schreiners
Mrs. Luzon Crosby	*Mrs. Neva Sexton
Fred de Forest	*Kenneth Smith
Dubes & Young	Chet Thompkins
James Gibson	M. D. Wallace
Mrs. Melba Hamblen	

I have shown an asterisk against the 1964 participants, one of whom it will be noted is the raiser of the Dykes Medal winner in America for 1965, so the British hybridizers at least were in good company last year!

All this proves nothing if one accepts this critic's innuendoes on the ability of the judges, which are immediately followed by a completely irrelevant reference to judging *hemerocallis*\*\* in half a day in another country, giving the reader, unintentionally maybe, but nevertheless very definitely, the impression that the judging of the irises is not ably conducted at Florence, where, in fact, the judging is a continual process lasting over many days. The Florence judges are selected because of their experience, and the judging procedure has been fully described (AIS Bull. No. 153, pp. 54, 55 and B.I.S. *Year Book* 1958 pp. 82-84). The importance of spreading the judging over a period of many days cannot be over stressed. Moreover, there is in Florence a resident, permanent judge, officially acknowledged, well aware of latest trends and what to look for in an iris, actually widely travelled in Europe as well as in the U.S.A., equipped with the scientist's keen power of observation and balanced judgment. I refer to Dr. Gian Luigi Sani. In addition to him an International judge is invited, where possible an accredited judge of the American Iris Society. The advice given in the AIS publication *Handbook for Judges and Exhibitions* is the basis of all deliberations.

I venture to state categorically that the judging at Florence is not surpassed by any iris-judging in the world.

It should be superfluous to add that the judges base their decisions on what they see in the garden at the time—not on any hypothetical performance elsewhere.

\*\*This can only refer to Hamburg. There is no doubt at all that a free entry pass to the Exhibition Grounds for fourteen days would have been granted anyone wishing it in order to complete the judging of the hems by the given date; as indeed was the case when I accepted the invitation earlier that year to judge the irises.



# Once upon a Halloween

DR. ANNE LEE

When the irises are through blooming, the beds replanted, and all new acquisitions safely tucked in the ground, what does a self-respecting irisarian do until the first *stylosa* appears?

How about a party, and everyone come as an iris? No sooner thought of than the plans were made for a Halloween party. Shrewd thinking! Certainly among all the ghosts and goblins a few iris nuts would not be too conspicuous!

The party was a howling success . . . in more ways than one!

I do not know how Nathan Rudolph would have felt to see his DANCING BRIDE, sort of sixteen plus, with long, fluttering eyelashes, and a blond wig, in her thirty-year-old wedding gown! There was AMIGO'S GUITAR, with Spanish Si Si, guitar, and all the trimmings; INCA CHIEF in warpaint and wrapped in a genuine Indian blanket and with a fancy feather head-dress; BLACK NITIE was greeted with whistles; and GYPSY JEWELS was stunning. She wore enough jewelry that if she were to bend over, I do not believe she could straighten up! MEXICAN HAT appeared in red sombrero and fancy mustache. Rounding out the Spanish theme was GYPSY QUEEN. In addition, there was LAVISH LADY, APRICOT LUSTRE, and ORIENTAL GLORY in a genuine Chinese outfit with fan and parasol. Yours truly, who instigated the whole affair, turned up as WITCH DOCTOR! This was an added comic touch because I am a physician when not an irisarian.

If you will just think a moment, you will be surprised at what is in a name, an iris name in particular. Have you ever thought of any of your pals as a DANCING TIGER or possibly ARTIST'S MODEL? You can be carried away, I assure you!

To keep the party in a gay iris mood, we guessed the costumes and played games involving iris names. Prizes were given for the best costumes. A lot of good fun was had by everyone.

An informal Halloween buffet put the finishing touches to the evening.

If all goes well, I have a suspicion that we may descend upon another haunted house come next year's Halloween!

*Dr. Lee submitted some intriguing color photographs, which we were not able to get transmitted into good black-and-whites. The color shots of the Halloween party depicted ORIENTAL GLORY, GYPSY LULLABY, AMIGO'S GUITAR, MEXICAN HAT, WITCH DOCTOR, INCA CHIEF, and DANCING BRIDE, and were fascinating. We regret that we could not bring them to our readers.*

## A RETIREMENT GARDEN

In these days of looking for something to do when the retirement checks start to come in, a problem for an increasingly larger portion of our population, the following letter crossed our desk; and it has a sort of direct charm which we will share with you. The writer is Robert Sell, 1136 Hope Road, Asbury Park, N.J. 07712.

I have a small commercial garden of irises, hems and mums. My iris exhibition bed is 16 feet wide and 220 feet long. I have four rows three feet wide. The irises are planted four feet apart, and staggered so that they are four

feet apart in any direction. All clumps are clearly marked and priced. On one side of the bed is a lawn and on the other a sod path. On the sod path side I have another bed about 12 feet wide. In this bed I have next to the path a clump of hems every four feet.

I lay out rows 16 inches wide crosswise in this bed, and here I plant hem and iris fans, all single fans, all labeled and priced. I plant the irises just as soon as I can get to it after they bloom. The following spring most of them have a flower stalk and two or more increases. I plant about 9 inches apart in the rows.

In the spring when people visit, they can walk around and see the irises in established clumps. Anything that they want, I dig for them from the second bed. There are no orders to write and no money to hold on deposit. They get a spike of flowers and two fans, and are delighted. I make a cash sale which is easily and quickly filled and I am delighted.

The hem trade works the same way. The unsold rhizomes are divided and replanted, or sent to the dump.

## The MIS Meeting at Memphis

Something like seventy median enthusiasts gathered in the Georgian Room of the Hotel Peabody in Memphis on May 8. In view of the many new faces, Adelaide Peterson, to whom goes most of the credit for an excellent meeting, called for quick introductions first. Then Mildred Brizendine recalled she had first gotten information on medians at the last AIS Memphis Convention in 1957, and that the Society was organized that same year with four classes, all of them still essential.

Her own particular field of standard dwarfs she illustrated with slides showing the different ways in which an SDB can be achieved. First, came ZING and SHINE BOY, Brizendine introductions from (Black Forest  $\times$  Storm King)  $\times$  Cook 1546. This represented the ordinary TB  $\times$  *pumila* cross. Since *pumila* is usually dominant for color and size, we have the typical lilliput in ZING, closer to the color and size of Cook 1546, but with a blue beard traceable to the *aphylla* blood in its pod parent. In contrast SHINE BOY from the same breeding has the tall color, and this also may be due to *aphylla*, since the anthocyanin of the straight tall is normally inhibited by *pumila*.

Other lilliputs from TB  $\times$  *pumila* were EYE SHADOW (Lipstick  $\times$  Hans. *pumila*); BABY SNOWFLAKE, a recessive white from BLUE SAPPHIRE  $\times$  H 503; and MOON BLAZE (Olympic Torch  $\times$  April Morn). The second common way of creating standard dwarfs is by intercrossing lilliputs. SKY BABY, CIRCLETTE, and ORANGE CAPER are good examples. In closing, Mildred commented that no iris breeder could ever afford to die. There was always next year's bloom ahead.

Bill Peck took on the IBs next, mentioning their early start as sterile TB  $\times$  *chamaeiris* seedlings and noting the new life that was injected into the class when the original four Cook lilliputs—FAIRY FLAX, GREEN SPOT, BARIA and BRITE—became available and could be backcrossed to tall, giving us far better IBs which were no longer dead ends. Typical of this type of cross

were VANILLA ICE and LIME RIPPLES (both from BARIA) and LICHTELFE. The tall  $\times$  lilliput cross generally has produced many good things, such as ARCTIC RUFFLES, ELFIN PRINCESS, FROSTY LEMONADE and ANTIQUE. Use of some of the species has also given interesting results, the chief species parents being *I. reichenbachii* (through Progenitor), *I. aphylla*, *I. mellita* and *I. balkana*. Examples are PROPER LEMON (a tall  $\times$  *mellita*) and Earl Roberts' DREAM MAKER (Sharkskin  $\times$  *balkana*)  $\times$  (Progenitor  $\times$  blue *pumila*). One of the latest additions to the range of IB color is pink, a field to which Adelaide Peterson, Alta Brown, Ed Zickler and Earl Roberts have all made contributions. If he can just keep away from classification headaches, the IB breeder is in for a lot of fun.

Bee Warburton next stepped up with Ben Benson's iris measuring device, and a demonstration of how it was made. The complete width and height of the MTB flower should not be more than 10 inches, and if every grower of MTBs and/or borders would send in the measurements of one flower as it grows in his garden, we would be on our way toward collecting some valuable information.

MTBs, she continued, are actually miniature diploids, not miniature tetraploids, and there is no formula, as yet, for a finished flower, although the prospects are better than is generally realized, especially from the use of PLUIE D'OR, CENGIALTI and DAYSTAR are also good parents. Jean Witt, Lee Eberhardt and Ben Hager are all working with aphyllas to achieve MTBs by this means, and are interested in their results. Bee illustrated the present state of the table irises with slides of some of the better ones such as WARBLER and PEWEE.

At this point—having an authority on the podium—Bee was asked what the normal number of buds was for each class. She replied for *pumila*, one bud; for a lilliput, one, two or three buds, normally with one branch. We are working towards a standard of at least one branch and three buds. SDBs also do put up successive stalks. IBs should have a minimum of five buds, though there are many today with only three. Aphylla hybrids have eight to ten buds. Crossed back to a tall, the seedlings may have as many as twenty-two buds. BBs should have two branches with four or five buds; MTBs at least two branches and a minimum of seven to eight buds.

In BBs we are still searching for a norm. The flower should be four to five inches across, but some like small flowers tending toward tables; some, large flowers on short stems. The ideal size and proportion will have to be agreed upon in the near future.

The borders were illustrated by Harry Kuesel with a showing of FRENCHI, YELLOW DRESDEN (closer to the TB type on a short stem), LITTLE REB (from which Jack Goett got interesting results on ROCOCO), Bill Peck's lovely ELLEN Q, BLUE FLUTE (again large flowers on a short stalk), Dr. Judy's excellent BROWN FLARE, BLACK AND BLUE, and DEBBIE ANN.

Last on the main part of the program was Stanley Street with some interesting remarks on aril-medians. Showing first his WEE SCOT (from Fior del Mondo  $\times$  Andromache), he commented on the advantages of ignorance. This should have been a blind alley, and it was only beginner's luck that it wasn't.

The best approach to aril-medians is through *pumila* on arils. He would not advise the use of pure *chamaeiris*. The desirable height is about 15 inches

with a flower 3 inches across. He has had four flowers to a stalk, though one is more normal. At least three distinctive aril characteristics are now required to register an aril-median as such.

The main problem is that first generation bloom tends to be large and on short stalks. Don't give up, though! Cross back to dwarfs and sib cross. He illustrated with several of his seedlings. *CAPITOLA* usually gives large and bulky flowers. The seedlings from *IB-MAC* are of better size.

At this point the formal part of the program ended with the presentation to Bee Warburton of the Median Iris Society's first award for distinguished service. The rest of the evening was devoted to the showing of slides. Instead of our usual hit or miss selection, however, Adelaide had worked out a very interesting theme, which carried throughout the second half. For each group of slides she selected a particular color or pattern, such as brown, or light blue falls with a deeper spot, or *plicata*, and showed the development of this in miniatures, lilliputs and IBs.

All in all, like most MIS meetings, it was fun!

## *Miniatures to the Fore*

CHARLOTTE GANTZ

Whenever someone mentions miniature dwarf bearded irises, it's immediately followed with the words "rock garden"—so this is a note of protest. How many people have rock gardens? Is this the *only* use for the little ones? My 50 odd varieties are scattered: Some in a rock garden, some in a sheltered house bed, and the majority at the front of my Median Iris Display Garden. I prefer them in the last two spots.

Take the house bed first, and I'll wager far more iris growers have a sheltered nook than have a rock garden. Mine faces southeast, is protected by two walls and profits by the kitchen heat. I learned years ago that such a spot should be devoted to just one thing—early spring bloom, the bloom that can be had in no other place! On chilly April days one doesn't saunter the garden paths. But one can stop in the midst of "doing" dishes to check on the earliest *pumilas* blooming there with squills, forget-me-not-flowered *anchusa*, yellow daffodils and white hyacinths. I don't think I'd ever fully realized until this spring what a clump of deep violet *SULINA* could add to such a planting, and I pitied anyone who lacked that rich vivid note. Later came the yellow of *CARPATHIA* and the more delicate charm of the *neglecta*, *SPRING JOY*, and *CHERRY SPOT*, an *amoena* in burgundy and white.

As the weather warmed the long ribbon of color that edges the eighty foot display garden took on brilliance. It didn't come all at once. There was a spot here, a spot there at first. *MUMBO* added another touch of rich violet. *LITTLE MOHEE*, a newcomer, delighted me with its brown tones. The new additions generally send up only half a dozen blooms—but at its height, with established plants such as *BLUE FROST*, *LITTLE JOE* and *BEE WINGS* throwing up a good three dozen stalks apiece, the long line of dwarfs was a memorable sight. No tiny rock garden specimen plants these—but great bursts of color. As the season went on, white candytuft came into bloom and many of the standard dwarfs, and the garden had a mid and back ground. By that time, however, there was so much bloom everywhere, I hardly had time to

appreciate an individual flower, as I had when the miniatures bloomed without so much competition.

Walking the length of that ribbon in early May, it was the new additions which principally caught my eye: The satisfactory little amoena, HEART'S CONTENT, GRANDMA'S HAT, HULLABALU; the delightful English neglecta, ONE FINE DAY; the glowing HONEY BEAR, KNICK KNACK (far better in life than it had ever looked on a slide); and the charming ORCHID SHEEN (doubly welcome because of its pure pumila breeding). What amusing, good names many of the miniatures have! Another new one I particularly liked was Walter Welch's long-blooming new red, JASPER GEM. That one is rightly named. It's a gem of a dwarf!

But the older ones (at least in my garden) couldn't be overlooked either. I love the dark rich beauty of Alta Brown's CHRIS. If only it had better proportions. It's a little large, here, for its height. The same might be said for the beautifully formed yellows, FASHION LADY and GOLDEN CUPID. The yellow bitone, CHRISTINE M. is in better proportion. The variegatas, BROWNETT and BARIUM GOLD, are both favorites, and I never tire of the pale porcelain-like beauty of BLUE FROST. For width of fall and generally excellent form, ATOMIC BLUE also rate high. I noted this with interest since in the majority of cases good form in the miniature has been achieved by interspecies crosses—that is by introducing chamaeiris or tall blood, or even by bringing in a mellita strain. Pure pumilas are in the minority, and while they provide earlier bloom along with obvious advantages for a breeder of lilliputs (the hybrids are much more difficult to use), it is true that the older pumilas have poor form. Those which have garden value for form as well as color and are good breeders as part of the bargain—ATOMIC BLUE, BARIUM GOLD, BROWNETT to mention a few—are really choice plants for the median hybridizer.

Dwarfs in the rock garden? Thank you! They do nicely there, too; but *my* choice is in the house bed and as an edging for standard dwarfs.

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## New Sweden to New England

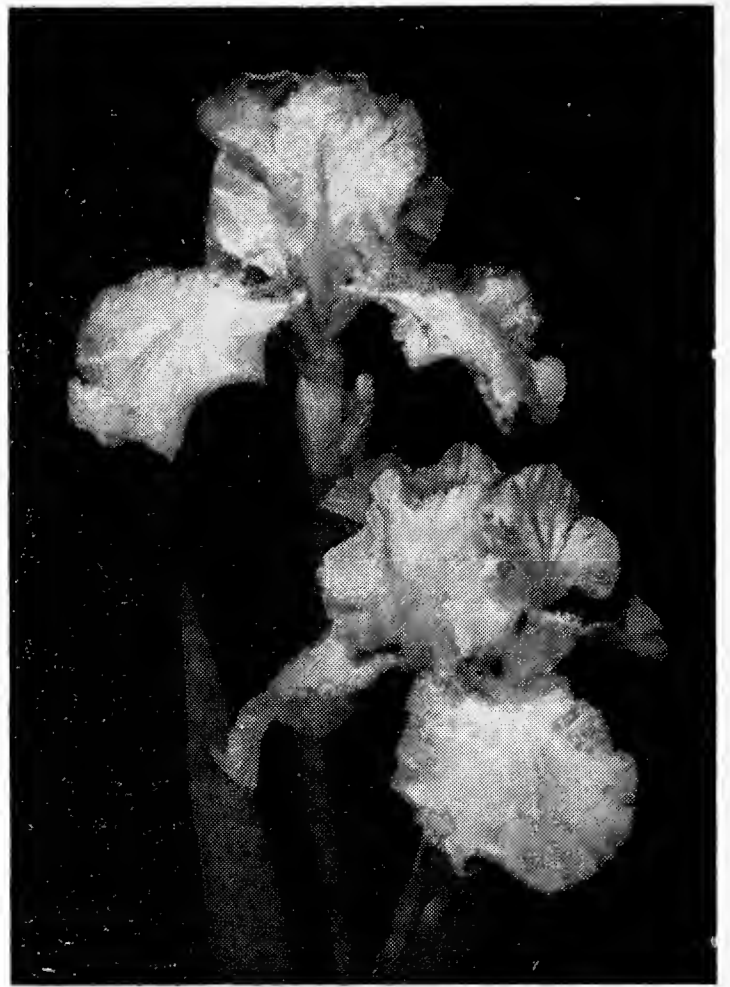
A. EDWARD MURRAY, JR.

Philadelphia and Wilmington were first settled by Swedes in 1638 to 1643. Consequently, this Pennsylvania and Delaware region of the Delaware Valley is called "New Sweden." Similarly, the English seekers of freedom settled in Massachusetts in Plymouth in 1620 and Boston in 1630.

Steeped in heritage, New Sweden and New England share interest in irises. Philadelphia provided the first president of our American Iris Society, John Casper Wister, noted author and horticulturist, professor emeritus of Swarthmore College, and Tyler Arboretum director. Boston has provided AIS Director John A. Bartholomew and noted hybridists like Miriam Corey, Edith Lowry, Betty Nesmith, Hazel Bartholomew, and Harold Knowlton; Worcester has given us William McKee and George Pride. Median irises are bred by Bee Warburton of Westboro. New Hampshire gave us Dr. Graves and the Watkins.



CHRISTMAS ANGEL (DeForest '60)



SPARKLING WATERS (Schreiner '60)

Let us commence our arm chair tour with Wilmington in New Sweden. John Harvey, Ph.D., is a chemist with DuPont. His irises are beautifully grown in a mixed perennial border with lovely shrubs as a background. SING ALONG (Plough) has clean white standards and deep mustard-yellow falls. A few haft markings are not too objectionable. STERLING SILVER (Moldovan) shows ruffled, silvery-blue-gray flowers of nice form. BLITHE ANGEL (Lauck) blends primrose standards with smooth cream falls in soothing symphony.

Margaret Smith of Wilmington has hundreds of irises set amidst magnificent specimen trees and shrubs of great age and stature. Her *Enkianthus* and *Franklina* are especially noteworthy in size and vigor. LEMON MINT brings much needed soft primrose and pale sulphur to the garden, but in a tailored flower. BLACK SWAN (Fay), HYBLAZE (H. F. Hall) and DARK CHOCOLATE were eye-catching. HYBLAZE is an unusual rose-red bitone with the red falls bordered the lighter red of the standards. It is a New Sweden origination from suburban Philadelphia in Moorestown, New Jersey.

Emma Latch and Cherry McCracken share their two adjoining gardens in suburban Chester, Pennsylvania. FLUTED HAVEN (Reynolds) displays lovely ruffled white blooms on fine stalks. Trophy (Linse) lights livid light lobelia. FROST AND FLAME (Hall) is freely festooned in starchy white and tangerine. The peony CHOCOLATE SOLDIER bears rich, deep red, semi-double heads.

Helen Chariott of Rose Valley is a charming hostess. Her ice tea with fresh spearmint sprigs and tasty pastry served on a cool veranda enabled us to enjoy the lush green lawn panel and tidy perennial border with irises dominant. GOLDEN CHANCE (DeForest) is a smooth creamy-yellow to watch next year. AMIGO'S GUITAR (Plough) was enticing in bud as a promising new

variegata in ruffles. BRIGHTSIDE (Schreiner) boasts beautiful lacy, cream flowers on nicely branched stalks. DAWN FLIGHT (O. Brown) features flared falls in pink, but nearly blooms itself to death.

Larry Mains is a retired Professor of Civil Engineering at the Drexel Institute of Technology in Philadelphia. His wonderful daffodil display acts as prelude to his iris symphony. NEWPORT (Schreiner) offers sturdy stalks and clear blue plicata markings on white. FLUTED HAVEN (Reynolds) superbly draws one's attention with its heavily ruffled white florets on fine stalks. PRETTYFIELD (P. Cook), a soft blue amoena, and SOARING KITE (Nelson), a smooth cream, are very much overlooked and deserve commendation.

Gene Gilchrist in Secane, Pennsylvania, grows many chrysanthemums and other perennials besides irises. PINK MAGIC is a large pink and creates quite a show. DOTTED SWISS (H. P. Sass), a blue plicata of quality, and REAL DELIGHT (Waters), a peachy-apricot, were particularly well grown.

John Lyster of Aldan has drawn hundreds to his lovely garden for years. His large oval beds of the best flowering varieties are indicators to many as to which irises grown best in Pennsylvania and the area around Philadelphia. GYPSY JEWELS (Schreiner) is John Lyster's favorite this year. Rich red color, good branching, and a nice flare set this red afire. WINTER OLYMPICS (O. Brown) calms, cools and catches one's contemplation. Further circumspection shows vigor and floriferousness usually the first year and always the second. STERLING SILVER (Moldovan) is a nicely ruffled, silvery, medium blue-violet. KAHILI (Schreiner) gives us a fresh new variegata with yellow standards and nice carmine-rose-red falls on well-branched stalks. GRACIE PFOST (E. Smith) won for John Lyster the Best-in-Show award in our Philadelphia show this year held in Newton Square. Its rosy color is muted and subtle, and its branching is well spaced. Breeders should work more with these rose blends.

Dr. Frank Walchak, treasurer of our Delaware Valley Iris Society (Philadelphia area), showed us a brand new garden on a rich, micaceous soil. The first-year bloom was excellent. WINTER OLYMPICS (O. Brown) stood out along with brilliant BRASILIA (Schreiner) in rich brown.

Jake Weber in suburban Yeadon grows only the newest in a small plot which many envy. ORANGE PARADE (Hamblen) has luscious orange color with tall, straight stalks well branched. The flowers hold their color and shape rather well. It is an orange blend rather than a soft apricot as many so-called orange irises turn out to be. Therefore, the color is deeper and more startling. In Florence, Italy, I enjoyed seeing it in 1961 under a number when it bloomed well the first year, while preparing itself for the Premio Firenze of 1962. ESTHER FAY (Fay) speaks beautifully for Orville Fay. The rich, light-pink color has been blended with white rather than yellow. MUSIC MAKER (Waters) sings wafting, rippled notes in medium to light tones of blue and makes music with the flare of its cascading falls.

Jan and Bill Hirsch of Havertown share a lovely garden of fine trees, shrubs, and perennials. Their handsome *Acer Palmatum Dissectum*, a lacy-leaved Japanese maple, bears particular mention. A *Mahoberberis* clone and evergreen *Lonicera nitida* indicate careful selection of unusual plant materials. INTRIGUER (Hinkle) in ruffled medium blue-violet, DAWN CREST (DeForest) of peack-pink and cream, and SPRING VALLEY (Fay) with ruffled, light blue blooms were notable.

Mr. and Mrs. Gustave Landt of Norristown have a remarkable group of gardens: One is formal and built about a reflecting pool; another is the new and tastefully developed Japanese garden with a tea-house and typical waterless pebble brook; a third is built upon an old tennis court which affords underground tiling for drainage. Surrounding this lovely court are magnificent Saunders hybrid tree-peonies with large clematis on the fence. The iris garden is, therefore, circumscribed with great beauty. FLUTED HAVEN (Reynolds) flaunts gaily ruffled, starchy white florets on sturdy, well branched stalks. GYPSY LULLABY (O. Brown) has smoky-buff standards and rosy-orchid falls. LEATHER LACE (Plough) gives a grayed-light-violet color, which is distinctive.

In the Murray garden in Levittown we enjoyed ARCTIC SKIES (Fay) with ice-blue standards and white falls; BRONZE BELL (Schreiner) of fine brown color and ruffled form; FLUTED HAVEN (Reynolds) once again in ruffled white; and VIOLET HARMONY (Lowry) from New England.

The flight is effortless from New Sweden to New England aboard Northeast. Time flies as Cape Cod nears. So, here we are in the capital, Boston! Unfasten your seat belts so we may be whisked along the Massachusetts turnpike to the city of time, Waltham. Now, we can quietly relax in the time-honored garden of lovely Leola Fraim. Her iris namesake, LEOLA FRAIM (Watkins), shimmers in beautiful flesh-pink with soft shrimp beards. The stalks are well branched, and the delicate color is wholly refreshing. This is an iris which will be grown for years to come because it commemorates a gracious lady, and because its color is so haunting and unique. In this remarkable garden of exquisite shrubs and perennials so carefully labelled and so deftly handled, we delighted in the personal touches so meticulously managed throughout this masterful composition. A guest seedling from Fitz Randolph, No. 60174-1, shows extreme vigor, floriferousness and increase, in a bright color with good carrying power reminiscent of PINK CHEEKS with clear yellow suffusion on the hafts. The stalks were often rebranched.

A long trek out to Worcester to judge the iris show was preceded by a brief visit to the garden nursery of George Pride. Nearly everything out had been cut that morning for the show. But, RIPPLING WATERS (Fay) had a few good stalks left, and lanky FIRE CHIEF (Galyon) gave proportionately small flowers of golden-bronze and red. An extremely early Randolph seedling, No. 63-13, is a ruffled blue amoena of value for its definite earliness. We were soon to see the magnificent iris display of George Pride at the splendid show. His commercial display has doubtfully been equalled anywhere by one man's staging it alone. The perfection and variety of cultivars shown were exceptional. Of course, George won the Queen of Show and most other awards in the horticultural class. Congratulations on a superb show!

Worcester is a city of 200,000 with the third oldest horticultural society in the nation, after Philadelphia, 1827, and Boston, 1829. We were fortunate also to be shown the iris garden of Ladd Plumley. ALLEGIANCE, FROST AND FLAME, and PINK MAGIC were particularly fine.

Lowell, Massachusetts, has long drawn the flower lover to the garden of Mrs. Elizabeth Nesmith. Her recent fond treasure is the international honor of the WERTZEUGNIS or Quality Certificate of the German National Horticultural Society for her ruffled white iris CARISSIMA. We were shown with



humble pride the certificate inscribed by Count Bernadotte. **FAST SERVICE** (von Martin) from Homburg-am-Main, Germany, beckons bright orchid, a different color. **JEAN BOYD FITZ** (Watkins) carries well with ruffled red-ruby flowers on ramrod stems.

Hazel and John Bartholomew are the perfect hostess and host. My parents and I enjoyed three thoroughly interesting hours in their garden filled with many friends. Iris friends are the best kind, aren't they? When camera bugs flickered, you knew it was around a certain few. **ULTRAPOISE** (Noyd) startles



MARY TODD (Randall '60)



HELEN TRAUBEL (Benson '60)

with vivid yellow and intensely ruffled blooms. Hazel's own **BALLET PREMIERE** flaunted three flared, actually horizontal falls on the three gorgeous second-day blooms. It takes the second day for the exciting horizontal flare to develop. In the Murray garden **BALLET PREMIERE** did well on a one-year guest plant. The color is scintillating silvery-light-violet. **LEORA KATE** (Buckles) refreshes in soft yellow with flaring form on good stems.

Shirley Spurr grows wonderful thalictrum and irises, and treated us to a nice picnic luncheon in her back yard. **HELEN TRAUBEL** (Benson) was fine in light lavender-blue with billowy form. *Iris Gracilipes* was attractive, too. **ESTHER FAY** (Fay) and **MELODRAMA** (Cook) were especially good.

Mrs. Miriam Corey and her daughter, Elizabeth, for whom **BETH COREY** (Watkins) was named, showed us some excellent new seedlings. AA-114-1 is a gorgeous ruffled blue with fine branching and ice-blue beards. A cute border iris, 44-AA, is a blue bitone, pert, flared and well branched. It received its HC in the Boston iris show this year. **ULTRAPOISE** (Noyd) was again sensational in ruffled bright yellow. Miriam Corey's AA-78 has buff standards with ruffled rosy-violet falls. Its substance is very good. Z-17-1 is a pale, flesh-pink self, ruffled, and well branched. **MENAMSHA** is her bright orange blend with orange-pink standards, which are swirled together. This is an excellent border iris with brilliant color, perhaps more vivid than **ORANGE PARADE** (Hamblen).

We bade a fond farewell to New England, and were winged homeward to New Sweden. Such recollections bind us from Boston to Philadelphia.

## *Dreamy(ing)*

B. HOWARD CAMP

I feel the urge of far away lands  
The Levant, Baghdad and the Sea.  
Where Richard and Xerxes and Sala-  
din trod,  
In their quest of dreams never to be.

As I wander along the shores of  
Aegea  
In my search for the fleur-de-lis;  
I think of Barbarians, and pillage and  
strife  
And wonder why this has to be.

From Hercules to Hellspont and the  
vast, vast steppes beyond,  
These mystic regions I must explore,  
Searching each cranny, each mound,  
each cliff,  
For just THAT ONE the whole world  
will adore.

When I tread my way through an-  
cient Goreme  
With my eyes on each color of loam,  
I'm thinking not of those spires long  
forgot,  
But from whence comes the perfect  
rhizome.

Always searching for the rainbow's  
end  
Yet never quite attaining that goal;  
Praying, striving, hoping, beseeching,  
Acquiring immortality before I grow  
old.

That *oris* used by the Pharaohs of old,  
It's from "flags" of Bengal Bay?  
Or Persia or Turkey or Hindu Kush,  
Or perchance from far Cathay?

When Cyrus and Darius were merely  
lads  
Susiana was old as the hills,  
The Khans and Attila and Caesar of  
Rome,  
Each enamored its will but to live.

Whether dry as the Gobi or hot as  
Gehenna,  
Aeons ago the "lily" abounded;  
Like Sheba in all her glittering array,  
Or Thotmes III when his empire he  
founded.

These shifting, whispering sands of  
Negev  
These mysteries of Chaldea and Ur,  
Have secrets enthroned in each little  
nook;  
It may be I'll find it *next* year.

And should He deem otherwise, well  
and good  
Then I'll cross Wayward Wind with  
an aril or two.  
I'll study genetics; I'll join a round  
robin;  
Could be, I'll end that search for  
True Blue.

## STEPHEN F. HAMBLIN

We regret to announce the passing of a renowned member of AIS, Professor Stephen F. Hamblin, 80, eminent in the fields of horticulture and conservation for more than 50 years.

Retired as a professor emeritus in horticulture from Harvard University in 1952, he climaxed a career that established him as one of the nation's leading figures in his field.

Prof. Hamblin was a lecturer and author of numerous books dealing with plant life, particularly the area of roses and irises. He was an ardent conservationist, ever stressing the need for a strong national conservation effort.

Knowing his subject so thoroughly, his manner of lecturing was most pleasant and informative, and the pronunciation of the botanical names truly delightful and musical.

A graduate of Barnstable schools, his long career began after graduating from the Massachusetts Agricultural College in 1912.

He was appointed instructor in horticulture in the School of Landscape Design at Harvard in 1916. Prof. Hamblin served as director of the university's botanical gardens in Cambridge from 1917 to 1930. He was also on the faculties at Smith Graduate School, Rhode Island School of Design and Forst School in Cambridge; he was horticulturist and conservationist for the Manning Company, and was founder of the Lexington Botanic Gardens in 1931. One of the more notable of his many works in the field of native wildflowers: "Handbook of Wild Flower Cultivation," by Kathryn S. Taylor and Stephen F. Hamblin.

## PAUL WICKERSHAM

It is with a very heavy heart that I report to the members of the AIS the passing of Paul Wickersham.

He was stricken in his garden of which he was so fond on August 18, 1965, taken to the hospital where he passed away August 19, 1965.

"Wick," as he was affectionally called by his friends, loved flowers from his early boyhood, having specialized in dahlias for many years before becoming interested in irises. Since taking up irises he had maintained one of the finest collections of modern iris in the country. Hundreds of iris fanciers traveled to Urbana, Ohio, to see his collection which contained many of the newest introductions.

"Wick" was a dear friend to many people, a gentleman at all times, generous to a fault, sharing his flowers with others, served his country in World War I, served the company for which he worked for fifty years with distinction, was faithful to his community where he lived so long and a generous and considerate friend to all in need.

He joined the AIS in the forties and was appointed an AIS judge in 1948. Many will mourn the loss of this fine man for many reasons.

To his lovely wife, Ethel, the membership of the AIS express its most sincere sympathy.

DON WATERS

## ***“A Tribute to a Friend”***

In July this year, the iris world lost a beloved friend, and staunch supporter. Mrs. J. A. (Elizabeth) Sapp, of Joplin, Missouri. Born in Carthage, Mo., her love of beauty in flowers was instilled at an early age. In 1936, she entered a written contest on “Irises In Your Garden” and won first place, a three-year membership in The American Iris Society. Since that time she became a most active member, traveling long distances to offer a word of encouragement to a new iris grower, to visit their garden, or to give programs to interested iris groups.

She hybridized irises, and was always eager to share her newest iris with friends. Among her introductions are: SUN SHADOWS, LOVE STORY, WHITE SHEPHERDESS, and GRECIAN URN. Her advice was: “I don’t believe the optimum degree of beauty will ever be achieved. That is something for us to search for, and an impetus to keep on trying. By sharing information and working together we will try to ‘Seek the Heights’ in developing beautiful irises.”

Mrs. Sapp had visited my garden many times, and had interested me in the AIS. In 1952, she encouraged me to attend the meeting in St. Louis. It was she who took time to introduce me to the personalities of whom I had read so much in the BULLETINS. I was glad to have this charming lady help a firstcomer like me. It kept the meet from being a lonely place, and made it come very much alive for me. Through the memories of that first convention, and what a thrill it was to me, in the years since, I have had wigs and a bag of tricks that I hope will have made other “first timers” a little happier that they attended our annual meetings.

Few people possess the charm and friendliness of this great lady. But as long as those of us who knew her shall live, she too, will carry on through the magical qualities she so richly endowed us with, because our paths had crossed.

HELEN MCCAUGHEY

### **MRS. H. C. DODSON**

Just as we went to press we learned that Mrs. H. C. Dodson of Joplin, Missouri, had passed away. Many will remember her as an irisarian of long standing and a neighbor of Mrs. Sapp.

---

### **THE SEED**

BEE WARBURTON

If I were wise as God and patient as his Saints,  
I could sort you out, my little dream,  
From the brown and wrinkled hopes of life  
Eternal in my hand, the iris seed.

You would wear a halo, or would shine  
With fluorescent light, and when I put my finger  
On you, you would quicken, radiantly blessing  
All who saw, and so assuage my need.



KAY STULTS  
Kay Stults (deceased) '63



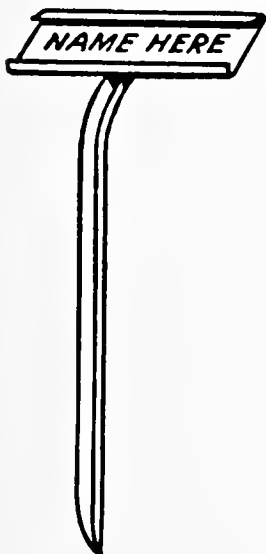
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# The 1965 Iris Season in Review

JOSEPH GHIO

As I reflect on the 1965 iris season, several remembrances flash before me. The following are some of the irises I observed growing in California during the year.

1965 will go down in our mind as a *blue* year. Never before do we remember so many blue irises looking so good. We "flipped" for PACIFIC PANORAMA (Sexton '60) when we first saw it in Neva's garden. We thought at that time that this was an iris with an unlimited destiny, and time has borne out this first conclusion. A vigorous grower, tall, well branched, multi-budded, substanced, and a heavenly hue of medium blue, this iris has the stuff DYKES winners are made of. HELEN TRAUBEL (Benson '60) was a surprise. It has been out for a few years, but had received little publicity. It is an extremely broad, huge, well-formed self of silvery blue with darker veining, Respectable branching with a minimum of three buds per socket gives it a long season of bloom. BROADMEADOW (Brown '60) was another surprise. It is an extremely broad self of blue-white, very ruffled and somewhat serrated. A little short and low on buds, but what an outstanding individual blossom.

The Blocher name, as with the Hinkle name, is now synonymous with fine blue irises. ELLEN MANOR (Blocher '63) was last year's surprise. With its blooming in '64, we became one of its biggest boosters. It is a delightful blue with plenty of turquoise in its makeup. The petals are delightfully ruffled and curled, which gives it personality. ALICE BLUE GOWN (Blocher '64) was obtained on the strength of reports from those who attended the '64 National, and disappointed we were not! It is a large, well-branched self of very true medium to light blue, and has a novel, rippled edge. EDITH EDMAN (Blocher '64) attracted much comment; it is a light blue with tones of turquoise in its makeup, giving it a cool yet brilliant look. The flower is broad and somewhat tailored, which fits the personality of this iris very well. CLARION ISLAND (Blocher '64) is another light blue quite different from the other Blocher irises. We have been pleased with all of those "Wheaton" introductions.

Georgia Hinkle and fine blue irises go hand-in-hand. Her two 1962 introductions, BRAVE VIKING and HELEN KELLER, were excellent this year. HELEN KELLER is very early, blooming well ahead of most of the TBs. The flowers are huge, and we go for the light blue color, veiner darker. BRAVE VIKING is later, but it, too, is very broad and is a self of near medium blue, with a huge fuzzy beard of yellow.

TRITON (Julander '64) is a vigorous medium blue which reminds us a lot of PACIFIC PANORAMA, being the same hue of blue. However, it grows taller and larger than PACIFIC PANORAMA. CRYSTAL BLUE (Schreiner '64) is another vigorous iris which produced six increases for us the first year. It is the deepest pure blue that we've seen. The flowers are huge and somewhat tailored. DEBONAIR BLUE (Rogers '62) is a horizontally flaring, medium blue of huge size. It is a novelty in form in that horizontal blue irises are rare—a personal favorite. Last year CROSS COUNTRY (Knocke '63) was not up to

its rave notices in California; but this year it did itself proud. It is another huge (apparently a necessary quality for a good blue!) ruffled pale blue. MUSIC MAKER (Waters '63) was another disappointment last year; but it, too, did its advance billing justice this year. Plantings in the Luilm and Terrell gardens showed this iris to be another large, ruffled, more of a medium blue this time, but with a personality of its own. It may be a bit large for its height. BLUE FORMAL (Schortman '64) is the broadest, nicest formed medium blue around. It won the Rees Cup this year as the best regionally introduced iris in bloom at the time of the Region 14 convention, as well as being the runner-up for the *Premio Firenze*. VALHALLA (Craig '62) is an excellently formed dark blue-purple which appealed to me. FLEET ADMIRAL (Tompkins '64) is a nice horizontal flaring dark blue with a self beard. It reminded us very much of its parent and grandparent, MOUNTAIN MUSIC.

*Blue-white* or very *pale blue* irises are another special interest of ours. Without a doubt the most outstanding one in this class is HIGH ABOVE (DeForest '61). It is a broad, delightfully formed pale blue which is extremely vigorous, producing several bloomstocks in one year. This is one of our "pets." LOVILIA (Crandall '63) is another pale blue with fine form and branching. Each petal seems to have a curl at its tip, giving it a distinctive air. The already mentioned BROADMEADOW fits into this rather limited class.

When an iris receives much comment, one develops a certain expectation—perhaps too high; but the one iris which has fully lived up to our expectations for two years is WINTER OLYMPICS (Brown '63). It is a well-branched "goody" of pure white, with a few veins in the falls, which the purist might complain about, but not us! Its parent is POET'S DREAM (Brown '58); this one bloomed to perfection this year, causing many to stop and ask, "What's that???" A broader hafted iris would be hard to find. ANGEL'S DREAM (Smith '61) is perhaps the most overlooked iris today. We first saw it in 1961 and thought it outstanding then. Even in this day of outstanding white irises, this is with the very best. It has the heaviest, waxiest substance of any iris we've seen. The pure white flower is just loaded with ruffling and fluting. The stalks are well branched, with one-year plantings producing two to three bloomstalks each.

*Yellow* is another color which is improving rapidly. The leader in this class is MOON RIVER (Sexton '63), which first caught my attention in the Sexton garden in 1963. It has been a consistent performer in our garden for the past two years. Tall, extremely well branched, with three to four buds per socket, and vigorous growth are but a few of the qualities of this huge, broad, heavily substantanced self of antique gold. It seems to be a fabulous parent for Neva; we observed some great golds, yellows, creams and pinks among her seedlings. We saw more quality seedlings in the Sexton garden than in any other. 88-62 (RUTH'S LOVE x BRAVADO) is a brilliant gold about which we will be hearing a great deal in the near future.

NOB HILL (Gaulter) has never been introduced formally, but Hamblen will list it in her catalog next year. It is an outstanding medium yellow with mellow smooth blending of beige throughout and brown shoulders. This iris has won numerous awards, including an HC, an EC, the Region 14 Seedling Cup, and Best-in-Show in this year's Sacramento show. In our garden it grew to perfection; it should have been introduced years ago. Somewhat of the same type is HAPPY HOLIDAY (Schortman '64), a burnt yellow-orange with

brown shoulders and NOMOHR pleating at the haft, well branched and multi-budded. An iris that has been overlooked is DENVER MINT (Knopf '63); this is an extremely broad, rippling, butter-yellow which seems so smooth it looks good enough to eat. The huge blossoms are shown off on well-branched 36-inch stalks.

WESTERN SUN (Morris '64) is a brassy gold of huge proportions, and unique in this day when most yellows come from pink breeding. Wish it would branch a bit more, but it still is nice. RUFFLED DREAM (E. Smith '63) is a beautifully formed cream just loaded with ruffling and the finest branched stalk, a fine advancement. CRAFTSMAN (Knopf '64) has met our approval since we first saw it bloom in 1961. The standards are the brightest yellow with an orange cast imaginable; the falls are white to cream, bordered the same color as the standards. A well-branched spot of color. In the Luhn garden we observed an iris numbered 59-2, and "flipped." The standards are white-edged yellow, and the falls are similar, with the substance like wax. We later learned this iris is named DEBBY RAIRDON (Kuntz '65), and has been introduced by Luella Noyd.

*Green-toned* irises are meeting with increasing approval, and they are a special interest of ours. One of the standouts in our garden this year was GRINGO (Keppel '64). The flowers are a huge, broad, ruffled blend of bamboo-cream and violet, which gives quite a green cast. A vigorous grower. A fine branched stalk won Best-in-Show for us at Oakland this year. EMERALD FOUNTAIN (Brown '61) was outstanding this year. A nicely formed, lightly laced blend of blue, yellow and green. The stalks are well branched, and it has 4-5 buds per socket—we've never seen anything like it; it was blooming with the earliest and it still was at it when most of the things were gone! ROYAL TARA (Harbour '66) is a beautifully formed, tall fluted, extremely well-branched beige-cream with green highlights. This is a future introduction to watch for.

*Pinks* are an ever popular color. TAHITI SUNRISE (Ernst '63) was one of the better pinks in the garden this year. It is perhaps the largest pink iris going, complete with a light lace edge. However, ESTHER FAY (Fay '61) continues to be the best of this color; it is the standard by which all other pinks must be judged. FONA (Tell '63) was a surprise and certainly ranges with the best. Tall, extremely good form; sort of a baby-pink with darker shading near the hafts; fine substance et al. A trio of pastel flamingo-pinks were outstanding this year: SIGNATURE (Corlew '65) is one of the very best; broad, tall, well branched, many buds per socket, vigorous beauty. LACED CHARM (Mayberry '64) is another pastel, but of different form and personality, not as large either. BLUSHING BEAUTY (Noyd '64) is a warm-white with pink shoulders and red beard; different and takes a while getting used to; but once you do, you'll be its fan forever.

*Oranges* and *apricots* contain some of the most popular irises today. Our pick in this limited class is ORANGE VISTA (Mayberry); this is the first new orange iris we've seen since ORANGE PARADE that we would call orange. It reminds me of that very famous and earlier variety, ORANGE CRUSH. It is huge, well formed, and even laced; watch for its future introduction, for it is great. The older tan-orange, CELESTIAL GLORY (Bro. Charles '63) is still my personal favorite in this class. MISSION SUNSET (Bro. Charles '63) was superb this year, and showed why it has such a following; a very different



iris of tan-orange with a cool cast which, when well grown, draws crowds, and rightly so.

SEPTEMBER SONG (Hamblen '62) is a smooth salmon-apricot with a white blaze and open at the top. We wish it was better branched. LUZON CROSBY (Tell '63) is a smooth, waxy peach-pink with huge standards which not only open, but flare out as well; the falls are very broad and arch outward. A different iris with unique form, but it appeals to us. CHRISTIE ANNE (Gaulter '64) is a well-branched, many budded blend of peach, pink and white. Fine form and quite a spot of color. GOLD LIGHTNING (Mayberry '64) is certainly eye catching. Basically a yellow with pink infusion, topped with a wild tangerine-pink beard; kind of small, but still nice. MAY MELODY (Hamblen '65) is an iris we've seen for three years now, but this is the first year we've really liked it. Sort of yellow-pink standards, with white falls edged the color of the standards, and a bright red beard. Wild and nice!

*Tangerine* bearded derivations are growing by leaps and bounds. The most noteworthy departures are the Fay blue-orchids. RIPPLING WATERS (Fay '61) continues to be our favorite in this class. It set such a high standard that the later introductions suffered in comparison. It is the most nearly perfect iris we know, complete with all of the qualities you want in a good iris; one which has that DYKES look. COOL FLAME (Carlson '63) is without a doubt the best and easiest growing red-bearded white out. For us, it produces many increases in one year, with delightfully formed and ruffled pure white blossoms with red beards, and all this on 42-inch stalks.

CLAUDIA RENE (Gaulter '63) is a unique iris you either like or don't, but what a parent. This crossed back to MADEMOISELLE produced this year's JILBY, which is an excellent wine-orchid with a burnt-orange beard; fine form and branching complete this beauty. CLAUDIA RENE crossed back the other way to GLITTERING AMBER produced Larry's '66 introduction, LAURIE, a bright orchid-pink. The seedlings Larry got from CLAUDIA RENE × ORANGE PARADE ran the whole range of colors from browns to a unique luminous lavender with typical brown CLAUDIA RENE shoulders—wild!

*Lavenders* are soft and usually come from blue breeding. SILVER SKIES (Corlew '66) is a huge, broad, silvery lavender-blue; it incorporates all of the best qualities of its parents, CELESTIAL SNOW and PACIFIC PANORAMA. STERLING SILVER (Moldovan '63) is a two-tone lavender-violet complete with fluting, ruffling, pleating, bubbling, and everything else; a unique iris which is a vigorous grower. MARIE PHILLIPS (Tell '63) is a smooth milky lavender with white beard; the tailored form is just perfect for this color; we approve. EVER AND EVER (Hope '62) is a sort of orchid-lavender, very bright; the form is perfection. Though it has limited branching and bud count, it still is a must-have.

*Black* is a class which is nearly unique to the iris world. TAR HEELS (Powell '64) was our pick as the best of the class this spring. It is just about the largest thing around; a bitone with lighter standards, but all-in-all, it combines the qualities we like in an iris. FORMAL FASHION (Terrell '65) is a broad, well-formed dark with all the qualities a good iris should have. We were fortunate enough to see the opening of the first bloom of this beauty in the Terrell garden this spring; it's a comer in this class.

*Blends*, which include the ever popular browns, have come a long way since PRAIRIE SUNSET; however, they seem to have hit a plateau with the

introduction of BRASS ACCENTS. Let's hope that some of the much discussed 1965 introductions produce a breakthrough. The one iris we believe is the most unique departure in iris coloring in some years is the tremendous COMMENTARY (Babson '63). We have grown and bloomed this one for two years, and it never fails to leave the crowds in wonderment. The domed standards are a pale tan, and the semiflaring falls are lavender blue edged the same color as the standards, with a brush of red-brown on the shoulders. The blue-based tan beard is in complete harmony. Form, growth habits, substance are outstanding. An average of three buds per socket gives it a long season of bloom. The branching is variable, but with its overall superiority this hardly can be considered a fault. If there was only one iris we could grow, COMMENTARY would be the one. CAMBODIA (Babson '66) is a more vibrant and metallic version of COMMENTARY. APROPOS (Babson '64) is more of a self, bringing the lavender-blue fall color of COMMENTARY into the entire flower.

From the pastel blends of COMMENTARY to the metallic magenta blends is quite a change of pace. MARTEL (Tell '62) is huge, and such a bright color, and needs warm weather to look its best. WILD PEACOCK (Tell '64) is a more contrasty MARTEL-type, with more blue in the falls, but it has the vivid yellow beard again. ADAM (Craig '62) is one of the bloomingest irises around; it also will rebloom. More of a magenta self than the other two. NINEVAH (Keppel '66) is a brilliant and glowing blend of magenta and electric blue with a brown beard; an arilbred with quite a future.

*Plicatas* are ever improving. We visited the Gibson garden this spring; what a sight! Color combinations you've never seen before are appearing everywhere. We were particularly impressed with the white ground plics with red-mahogany borders complete with the fluting you expect in Gibson plics. A new and exciting departure is the pink plics. The ground is white washed light pink and penciled at the edges in darker pink, topped off with a tangerine beard and Gibson fluting. A seedling along these lines won the Region 14 Seedling Cup this year. Watch for these great new departures. A trip through the Gibson seedling garden leaves one in a state of euphoria. He has some exciting variegata-plicatas with honey-yellow standards, and brown falls edged with gold lace! Some are almost chocolate-brown on white. Others are more contrasty SIVA-SIVA types. WILD GINGER (Gibson '62), more than any other iris, marks the culmination of the Gibson line begun with GIBSON GIRL and TAHOLAH. The ginger-brown stitching on white complete with ruffling and fluting marks this as an iris to watch.

ROCOCO (Schreiner '60) set the standard in blue plics, and its seedlings are numerous. Nearly everyone has "his" ROCOCO children. Larry Gaulter has several, including this year's PORT ROYAL. Our pick of Larry's seedlings is the plic to be introduced next year, COUNTRY SQUIRE, a sib to PORT ROYAL. It is a rippling, ruffled thing with a white ground edged with a precise border of dark blue-purple. TEA APRON (El Dorado '61) is a different type; basically white with blue style arms and shoulders. We approve this baby!

*Amoenas* and their derivatives are appearing in ever increasing numbers. As some friends were looking over the seedlings, someone commented that few irises have shown their age more rapidly than has WHOLE CLOTH, so rapidly have improvements been appearing in this class. MILLISKA (Morgan '64) is one of the very best; more of a neglecta, but it has huge size and

broad hafts; the color could be brighter, but it still is nice. QUIET SKY (Cook '64) is an EMMA COOK type with a more precise blue border and, like EMMA, it looked on the small side this year.

The derivatives of the Cook PROGENITOR line contain some of the more exciting things around today. The GYPSY LULLABY types are well known with BON VIVANT (Plough '63) being one of the better of this type. It is tall and very well branched. LILAC CHAMPAGNE (Hamblen '65) is the closest thing to a blue and yellow iris we've seen. The standards are lemon with the falls being a tone of blue-lilac; form, branching, etc., are all respectable.

So there it is: the 1965 iris season in review. Already word is out on which iris to look for; already we're looking forward to next year. So—onward to the new year, 1966!

### ANNOUNCEMENTS

The Delaware Iris Society sent in a \$25.00 check to AIS for a Research Membership. While this society is an affiliate of AIS, they felt that they wanted to help move along the research program.

The Central Valley Iris Society sent a check of \$10.00 to the Research Fund in memory of Mr. A. O. Peterson.

Mrs. William P. Hill of Allison Park, Pennsylvania, sent a check of \$50.00 to the Research Fund.

### NEW LIFE MEMBERS

Mrs. L. G. Ahrens, 1016 Clark Road, Aiken, South Carolina 29801.

Mr. J. O. Timbersley, P. O. Box 119, Bells, Tennessee 38006.

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How these people ever got moved to South Dakota we never will know. The Air Force boys used to have a name for it.

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CORRECTION

HONOR GUARD (M. Olson) on page 28 of the July BULLETIN, instead of  
HONOR BRIGHT.

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HOW TO JOIN AN AIS ROBIN

Applications for Tall Bearded Robins should be sent to the National Program Director. For membership in other divisions, application may go to the National Program Director (advising which divisions you wish to join) or to the chairman of the division in which you wish to enroll. The Irises in General, General Hybridizing and General Medians Divisions are recommended for fairly new irisarians wishing to gain broad general background on those topics. Regional Robin applications may be sent to your own Regional robin representative, the National Director or the division chairman. For names and addresses of National Robin Program personnel please refer to the directory of FLIGHT LINES on the second page.

# Iris from the Carolinas to Iowa and Ohio

RALPH AND HELEN LEWIS

While the 1965 season was, in many regions, far from a good one for irises, and certainly notable for its short span and variation from normal bloom times, we were fortunate in seeing a tremendous number of fine ones—so many that it is possible to cover only a few of the best in these notes.

We have commented on some of the irises we liked best; there is neither time, space nor desire to criticize an iris that we may have seen only once and growing under unfavorable conditions, past its peak, or that may just not have appealed to us.

Certainly our iris trips have been a real joy to us, both for the beauty of the flowers and the gardens seen, and for the chance to meet so many fine folk who are also victims of the "iris fever."

## BLUES

**BEATRICE JOYNT** (Zurbrigg '65) A superb new medium blue. The flowers are large, exceptionally well formed with tight standards and flaring falls, both nicely waved. Stems were tall and strong and the branching was excellent in a year of poor branching. The color was very blue. This iris is reported to be fertile both ways.

**FLEET ADMIRAL** (Tompkins '64) A fine dark blue-violet flower, unusually large, beautifully formed, with lots of flare and nicely ruffled. Stalks are tall and strong and the branching is good. One we are proud to grow.

**TRITON** (Julander '63) Here is a big and very blue dark blue flower of excellent form and fine substance, growing on tall and well-branched stems. **WHOLE CLOTH** would seem to give purity of color to its blue seedlings. This should be an excellent and exciting parent.

**KILLARNEY WATERS** (Buttrick '63) We had heard wonderful things about this light blue iris and it lived well up to our expectations. The color is exceptionally pure, flowers are large, superbly formed and strongly substanded.

**TIDELANDS** (Buttrick '62) We saw this splendid medium-to-dark blue iris for the first time in the Moldovan garden and ordered it on sight. Excellent in every way; it particularly impressed us with its blueness.

**DEEP SPACE** (Tompkins '61) One of the very dark irises that has a predominantly blue tone. Fine in every respect and, like **ALLEGIANCE**, it is blue.

**DASHING PRINCE** (C. Benson '63) A very nice medium-dark blue that has a distinctly metallic sheen which is definitely different. A really fine addition to our blue class. Form, substance, branching and growth were all excellent.

**ALICE BLUE GOWN** (Blocher '64) A clear near spectrum blue flower that is large, beautifully shaped, sturdily substanded and very ruffled. A vigorous grower.

**ALLEGIANCE** (P. Cook '58) This is still the bluest of the ultra-dark blue irises. In our opinion it is fully deserving of all its honors. The standard of comparison for dark blues.

**CAROLINA SKY** (Loleta Powell '65) As in her **CAROLINA ROYAL**, Loleta has come up with another excellent blue iris. A medium blue of really excellent form, strongly substanded, and well-placed flowers on strong stalks. It took bad weather well and showed blue with great freedom from violet tones. Really good.

**BLUE REJOICE** (Dubes-Young '62) A big ruffled flower with style and grace. Its pure clear light blue color is set off by its golden beard. Good branching, fine substance, and a good performer here in the Carolinas, as it is in its northwest Iowa home.

**CRYSTAL BLUE** (Schreiner '64) This fine iris carries purity and intensity of color. Well formed and in every way a fine flower, carrying on the Schreiner tradition of superb blues. One we very much want.

**MUSIC MAKER** (Don Waters '63) We saw this superb blue for the first time this year. It is exquisite. The flowers are perfectly formed, strongly substed, and perfectly smooth and clear light blue in color with no white blaze at the beard tip. A prolific bloomer and appears to be an excellent performer. A must-have for us.

Other fine blues we saw included **INDIGLOW**, **BLUE BARON**, **BLUE SAPPHIRE**, **PIERRE MENARD**, **BAR HARBOR**, **ROYAL CANADIAN**, **VAN CLIBURN**, **HELEN TRAUBEL**, **DEBONAIRE BLUE**, **SHINING SEA**, **INTRIGUER**, **SKY WATCH**, **GIANT INDIGO**, **JEAN SIBELIUS**, **ISLANDER**, **PACIFIC PANORAMA** and **BLUE BALLAD**.



**DARK FURY** (Luihn '61)



**BLUE BARON** (Schreiner '62)

### *BLACKS, DEEP VIOLETS AND PURPLES*

**TAR HEEL** (L. Powell '64) One of the truly fine blacks. The flower is large, very strongly substed, with excellent form and broad petals. Stalks are strong and branching is very good. It takes unfavorable weather—heat and wind—in stride. Here is an extremely good performer in the South where so many dark irises are not too happy.

**ECSTATIC NIGHT** (P. Cook '63) The last of Paul Cook's personal selection

in his line of blacks. Very dark and velvety. Excellent in every respect. This was an iris we had followed through the years of study before its selection and is one we had always liked.

**BLACK CHARM** (L. Hooker '62) A grand deep purple-black. Elegantly formed flowers on strong, well-branched stalks.

**ROYAL TOUCH** (Schreiner) (Scheduled for future introduction) We await this iris with great anticipation. As we saw it in the Waters garden it was one of the most intensely and vividly beautiful purple flowers that one could imagine. If it had faults, we did not see them. Certainly in our opinion it should be introduced—and soon.

**RUMBLING THUNDER** (Tompkins '62) Midnight violet in color, this iris is most aptly named. Large flowers with tight standards and broad round falls show excellent substance and texture. Branching is good, stems are strong, performance is very fine.

**TUXEDO** (Schreiner '65) The latest, and we are inclined to think definitely the best, of a long line of excellent blacks from this breeder. Black from the blue side, the large flowers show a uniform depth of color, coupled with a richness of texture that looks black. Tall, well-branched as we saw it in Ohio, this is one we covet.

**BLACK SWAN** (Fay '60) A very large black from the red side, with lots of flare and style. A deep beard lends depth of color. Big, tall, widely branched.

**PRINCE INDIGO** (Schreiner '64) This is a huge deep violet flower of fine form and substance. The stems are tall; the branching all that could be desired. We thought it outstanding both here in Region 4 and in Ohio.

Many other fine varieties in this class include **BLACK ONYX**, **JERSEY BEAUTY**, **PURPLE HAVEN**, **MOUNTAIN MUSIC**, **FLAG SHIP**, **EDENITE**, **DARK FURY**, **DARK SPLENDOR**, **BLACKNESS**, **BLAZING VIOLET**, **SABLE NIGHT**.

## *MEDIUM VIOLETS AND ORCHIDS*

**STERLING SILVER** (Moldovan '63) For beauty of form, grace, ruffling, branching and substance, here is close to a perfect iris. The description of a "violet bitone with a silvered edge" fits it well on its home grounds. Down here in Region IV it shows more blue violet and silver. In either case it is a grand iris. Reported to have pollen only occasionally, but to be a consistent pod parent.

**TWILIGHT ZONE** (Tompkins '63) A deep subdued blue-violet blend like a range of distant hills against an evening sky. We find this one of the most truly charming irises we have ever seen. Flowers are excellently formed and substantiated. Stalks are tall and strong and branching is good.

**MARIE PHILLIPS** (Muhlestein '63) An absolute self of clear pure wisteria violet with a self beard. Such uniformity of coloring is amazing. Flower form is close to perfection; standards are tight, falls flare gracefully and are wide and well formed; ruffling is just what one would desire. A breathtaking beauty that has drawn so much favorable comment.

**ORCHID BROCADE** (Rudolph '65) A big flower of superb substance and most excellent form, this orchid-rose blend is very beautiful. The brilliant beard lends a desirable accent of high color. All in all a most exciting and very worth while iris. Would appear to be a very fine performer.

**SHADOW WALTZ** (Tompkins '62) Very perky and airy flowers of pale orchid color and excellent substance are borne on tall, widely branched stalks.



Judges Robert Carney, Elizabeth Bergin and J. Arthur Nelson select CLAUDIA RENE as Queen of the Show at Fort Worth

A most charming and delightful flower and an unusually good performer.

**DAINTY INGALEE** (Frances Brown '65) A pure lilac-orchid in color with a pale opalescent blaze on the falls and with amazing lace at the edges of the petals. Standards are tight and falls flare beautifully. This attracted a great deal of favorable comment at the Region IV meeting. We think it is truly an excellent iris.

**LILAC FESTIVAL** (Plough '59) An orchid self, very charming and delicate in appearance but actually excellently substantiated. Well-formed flowers. A good iris.

**LILAC SNOW** (Schmelzer '61) A well-formed flower with lots of ruffles on wide petals, pale lilac in color, that has good substance as well as great beauty and delicacy of form. Garden habits are very fine.

**CRINKLED GEM** (Schreiner '64) A lavender flower with touches of rose. This is certainly very ruffled and seems to be dusted with silver. Form is good, as is the substance. This one is definitely different and should be seen, for we think it will probably appeal very much or not at all.

**ROYAL FANFARE** (Branch '63) A truly spectacular rose-orchid of intense color value, large size and excellent form. Certainly an impressive iris in any garden and an excellent performer.

Other very fine irises in this general class were **VIOLET LEATHER**, **VIOLET HAVEN**, **AZURE HAVEN**, **ENCHANTED VIOLET**, **LEATHER LACE** and **DELIGHTFUL**.



## REDS

FRONTIER MARSHALL (Schreiner '65) A big flower for a red, excellently formed and substanced and borne on tall and widely branched stems. The catalog listing of crimson lake just about hits its color. Excellent in Ohio. We wonder how it will stand the rigors of our southern climate where many reds are definitely not happy.

CAROLINA RUBY (L. Powell '64) Here is a red that does perform down south. Big, strong, well-substanced and able to take heat, rain and hot winds. This fine red resists fading and sunburn and is in all respects the peer of any named variety we know.

BERMUDA HIGH (Tompkins '64) A big tailored, flaring, ruby-red flower of excellent substance and high resistance to burning and to adverse weather conditions. On the basis of one year's experience, here is another red that is well suited to our local growing conditions. We think this is one of the most exciting irises in our garden.

DONNYBROOK (Tompkins '61) In our garden this has been a red that continually attracted notice for its redness, substance and resistance to fading and sunburn.

LONG LAST (Lapham '60) A deep velvety red self with tight domed standards and flaring falls. A fine iris from a skilled breeder of reds.

FIRE RUBY (Muhlestein '64) Large, well-formed flowers. The tight standards are crimson, the flaring falls deeper in tone. Excellent.

Some other good reds were RED SLIPPERS, CAPTAIN GALLANT, BANG, TALL CHIEF, FIRE MAGIC, JUNGLE FIRES, GENERAL MARK W. CLARK, SON OF SATAN, ROYAL TAPESTRY, STAMPEDE and VELVET ROBE.

## BROWN, TAN AND COPPER

GINGERSNAP (Schreiner '65) We saw this for the first time in the Moldovan garden and were deeply impressed. Here is an outstanding brown iris. The flowers are large, petals broad and strong, form is excellent with tight globular standards and round semiflaring falls. The stems were of good height and well branched. The color effect was truly brown. This is quite an iris.

BRASILIA (Schreiner '61) A copper red-brown, very brilliant and an attention getter in the garden. Flowers are large and excellently formed. A really good iris.

COPPEROPOLIS (Babson '60) A brown, or brown blend, that is excellent in color value and brilliant in the garden. Flowers are well formed, with tight standards and broad flaring falls. We have found it a most satisfying iris.

WESTERN WELCOME (Nelson '63) A brown-amber blend that we saw for the first time this year and liked. It is very floriferous, but the stems do not seem crowded. The flowers are of good size, excellently formed, with lots of ruffling and a definite flair. It would appear to be an excellent performer.

Some other browns, coppers and tans to perform well this year were BRONZE ARMOR, BRONZE BELL, BRASS ACCENTS, SULTAN'S MUSIC and GLITTERING BRONZE.

## PINK AND ROSE PINK

CAROLINA PEACH (Powell '64) A delicate looking flower of pastel pink coloring that possesses amazing ability to withstand adverse weather conditions. Substance is very good. The petals are highly ruffled and falls flare nicely. Branching is excellent and stalks are strong. We have known and



Leo T. Clark holds in his left hand the Pepper's Music Perpetual Trophy for the best aril at the Cascade Wonderland Iris Society Aril Show, and in the right hand holds the winner, from *I. samariae* × Austin's W 83-0 (*I. jordona* × *I. atropurpurea*).

liked this from its first appearance as a seedling; it is truly fine.

**CHRISTIE ANNE** (Gaulter '64) A fine, big peach-pink. The flower form is excellent—tight globular standards and flaring falls that are pleasingly waved. The substance is exceptionally good and the stems strong and well branched. The deeper beard in the same general tone gives a most pleasing effect.

**COLLEGE QUEEN** (Hall '64) A true pink with a self beard. This is one of the cleanest, clearest and most charming flowers in its color class. The form is excellent; substance and branching are good.

**IRISH LULLABY** (Moldovan '65) Superb in its home garden, this lives up to its billing. A true pink that has exceptional depth of color; is heavily laced and beautifully formed. The flowers are very large with excellent substance and are carried on well-branched strong stems. This iris is unusually floriferous and would seem to have most excellent growth characteristics.

**ONE DESIRE** (Shoop '60) A highly praised true pink that lives up to its billing. A self, including the beard, this is in all respects excellent and has surely proved itself over the last few years.

**BON BON HAVEN** (Reynolds '61) A pale true pink of great charm and

delicacy. Good form, excellent substance (it can surely take hot sun), fine branching and excellent garden performance make this one worthy of the high standards of all "Haven" irises.

FANCY FROSTING (Tompkins '63) A large, well-formed "powder pink" flower with a striking deeper pink beard, this is a beautifully formed flower with domed standards and wide ruffled falls. Substance, branching and performance are all excellent.

Some other pinks we liked were FAIR LUZON, COURT BALLET, ESTHER FAY, FAIRY FABLE, FELICITY HAVEN, PINK CHIMES, JEWEL HAVEN, GARDEN PARTY, COURTSHIP and APRICOT DANCER.

### YELLOW, ORANGE AND GOLD

ORANGE CHARIOT (Fay '64) A large flower that is quite orange in effect. This effect is heightened by a brilliant tangerine-orange beard. Standards are tight, falls flare nicely and petals are ruffled and well substantiated. Excellent.

ORANGE JADE (Wise '63) Very close to orange in color. Excellent in form and substance. One we fell for as a seedling and have continued to like very much.

CELESTIAL GLORY (Reckamp '61) A very brilliant orange-tan self. The flowers are well formed, heavily substantiated and nicely placed on tall stems.

TOP DOLLAR (Tompkins '61) Big, beautifully formed and well-substantiated deep golden yellow flower with tight standards and flaring falls are borne on tall well-branched stems. A fine performer in the garden and an excellent parent.

NIKE (J. Nelson '59) A huge orange-apricot flower with tight standards and flaring falls. Very fine.

ORANGE PARADE (Hamblin '61) Big orange-yellow flowers of fine form and substance. Good stems and branching. Red-orange beard. This is an attention getter in any garden.

LINGERING SUNSET (Tompkins '65) Perhaps we have put this in the wrong place. It is a beautiful orange-apricot pink. However, the orange tones were so dominant as we saw it that we'll list it here. The standards are tight, the falls flare gracefully, the substance is excellent. It certainly drew more than its share of raves from people who really know their irises. A dandy.

Some other fine yellows are SUN HAVEN, BUTTERCUP BOWER, BELLE HAVEN, FREE GOLD, RAINBOW GOLD, IDAHO GOLD, and GOLDEN GENE.

### CREAM, IVORY, CREAM EFFECTS AND "GREEN"

GLAMOROUS (Plough '61) A ruffled cream and gold; its name aptly describes it. The flowers are big, well formed and beautifully ruffled. An excellent iris.

CREAM CREST (Tell '59) A big, ruffled cream self of excellent form and substance, moderately ruffled.

ADORN (C. Smith '59) White marked with yellow. The flowers are large, graceful of form and strongly substantiated. A most reliable performer.

POINT LACE (Gibson '60) Big, well-formed and substantiated flowers, cream in color, but with a distinct flush of pink. Very attractive and very different!

JEALOUSY (Babson '62) One of the greenest of the greenish toned iris. Big flowers, well formed and sturdy. The buds are very green.

### WHITES

WINTER OLYMPICS (O. Brown '63) One of our favorite white irises. It

bears large flowers that are beautifully formed and ruffled and excellently substandard. A good performer in this region.

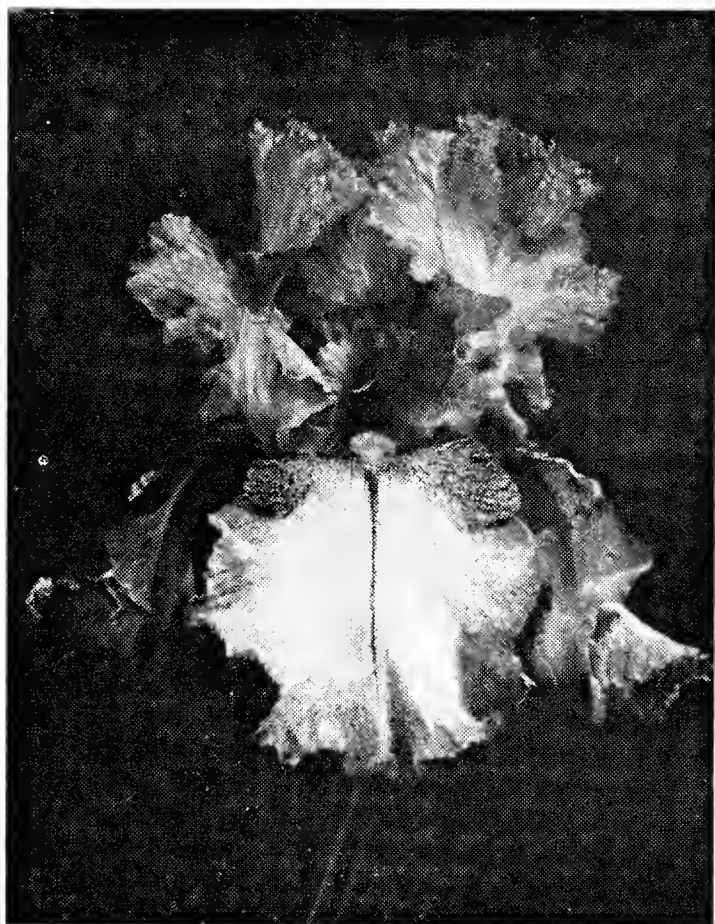
WHITE PRIDE (Branch '62) An outstanding white. The flowers have domed standards and broad flaring falls carrying rich golden beards. In our opinion this is one of the best.

FLUTED HAVEN (Reynolds '58) The peer of any white iris we know; perhaps the finest from one of our great hybridizers.

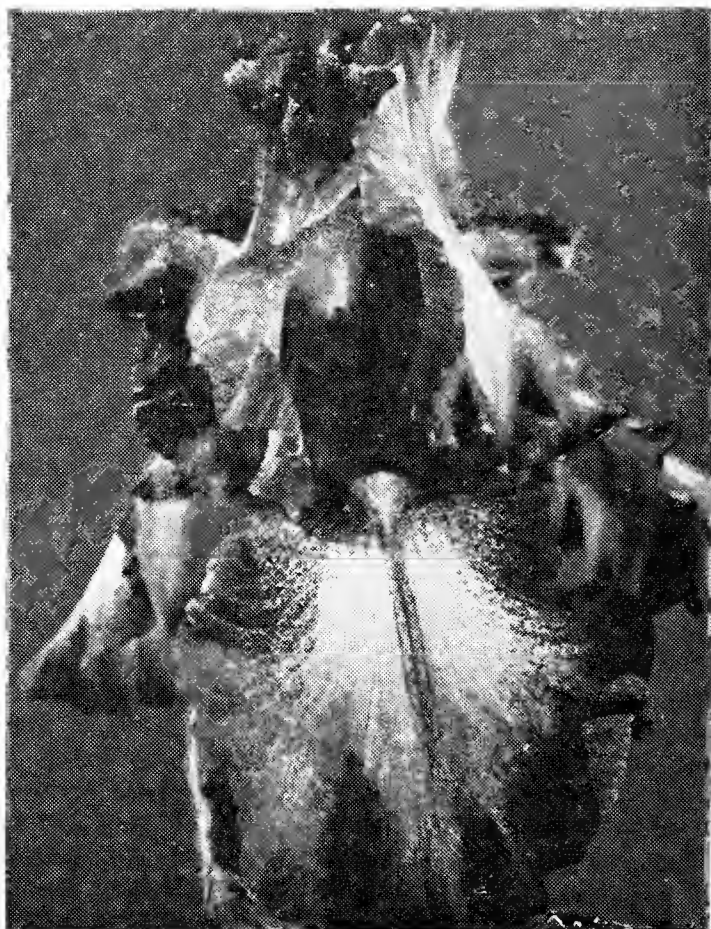
CUP RACE (Buttrick '63) A big white with globular standards and flaring falls that we saw for the first time in the Moldovan garden, and liked a lot. Floriferous, tall, well branched. A good all-around iris.

HENRY SHAW (C. Benson '59) A fine big pure white beard. The flowers are well formed and substandard and beautifully ruffled.

Some of the other fine whites seen were CRINKLED BEAUTY, SNOW GODDESS, CLIFFS OF DOVER, LADY ROGERS, CRINKLED CLOUD, REJOICE and WINTER SONG.



GOLDEN FILAGREE (Gibson '64)



WILD GINGER (Gibson '62)

### *THE REST—BICOLORS, VARIEGATAS, BLENDS, AMOENAS, PLICATAS, ETC.*

MISS VIRGINIA (Frances Brown '65) A very large violet and white bitone. Clear white standards and flaring violet falls. The flowers are large and excellently substandard. Stalks are tall and well branched. This should be a very popular iris.

RIBBON ROUND (Tompkins '63) A superbly beautiful blue and white plicata. In color, form, clarity of pattern, substance, in everything that is required to make a superb iris, this measures up to the highest standards.

MISS INDIANA (P. Cook '61) White standards with a bluish tinge and wide flaring falls of medium blue. This is perhaps our favorite of all the WHOLE

CLOTH type irises. Excellent. Like all the PROGENITOR type iris, the color is affected by soil chemistry and by climate.

JETFIRE (Tompkins '64) A brilliant deep red and white plicata, with conical standards and semiflaring falls. Tall, well substanded, a good grower.

WILD GINGER (Gibson '62) A beautiful brown and white plicata. The large flowers have fine form and substance.

BROOK SONG (Tompkins '64) Blue standards and white to blue-white falls. The color varies some with season and soil. Spectacular and beautiful, with excellent form and unusually fine substance. A very fine parent.

FULL VOLTAGE (Tompkins '60) A startlingly brilliant yellow and white plicata, tall and an excellent grower.

JAVA DOVE (Plough '64) A big and lovely creamy opalescent blend with white standards and cream and pink falls. Excellent.

TRUDY (Tompkins '64) The white standards are tight and strong; the broad brown falls flare nicely. The flowers are large and well substanded. Stalks are tall, strong, and well branched. This should be seen, for it is truly unusual.

### A FEW OUTSTANDING SEEDLINGS

SCHREINER 229 D A very red seedling with tight standards and flaring diamond shaped falls showing a golden beard. The substance was good and it was taking the sun nicely in the Waters garden. As always when I see a fine red in one of their favored locations, I wonder how it will perform here in the South where reds are often not happy.

FAY 62-1 A big husky brilliant yellow, fine in every respect, that we understand is scheduled for introduction. It should be. This is as clear and clean a deep yellow as we have seen.

L. POWELL 65-95 The nearest to true orange we have ever seen in an iris. We drove 150 miles to see this and it was worth it. We await next year's performance anxiously.

FRANCES BROWN 62-05 (ENCHANTRESS x MARY HALL) x (FLEETA x SORORITY GIRL) A coral or sand-coral colored seedling of great charm. The big beautiful flowers have tight standards and flaring falls that are very smooth at the haft. Nicely ruffled and strongly substanded, they take the weather well. The stalks are tall, strong and well branched. It is an excellent grower.

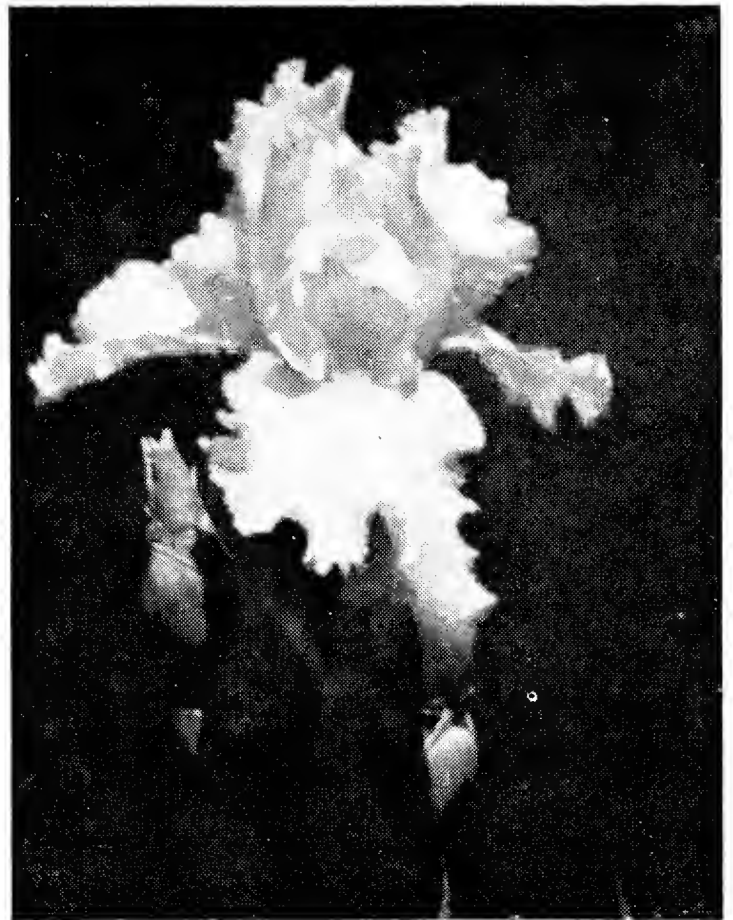
WICKERSHAM 51-60-2 A dark seedling with velvety texture and excellent color—red, not plum. We felt this was an outstanding iris. Form and substance were excellent. A good one.

FRANCES BROWN 61-36 B This rose-amethyst flower, in the general color class of Amethyst Flame, was probably the favorite at the Region IV meeting at Roanoke. It has excellent form, fine substance, and the flaring falls are clean in color and show no brown at the throat. Strong tall stalks and fine branching. Floriferous.

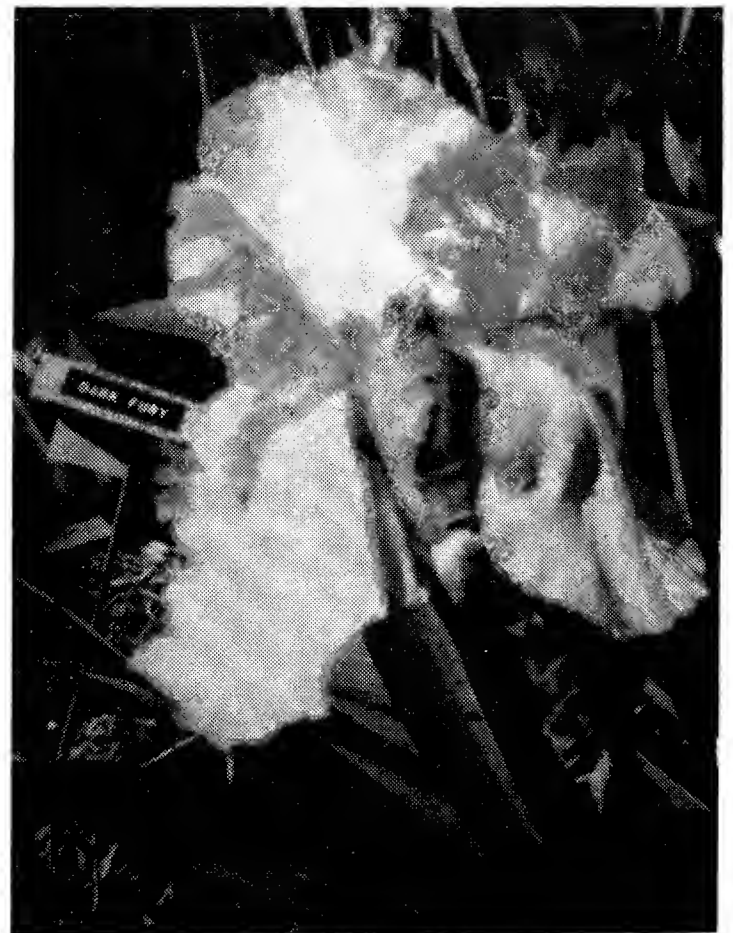
*Mr. Lewis is a member of the Engineering Faculty at Duke University, an AIS accredited judge, and past president of the North Carolina Iris Society. Mrs. Lewis has a master's degree in botany and is an ardent color photographer. Their home is in Durham, North Carolina.*



Ford L. Grant, Davenport, Iowa, proudly shows his SUMMER STORM, Queen of Show at Davenport Japanese Iris Show.



LILTING MELODY (Palmer '65)



CHINESE CORAL (Fay '62)

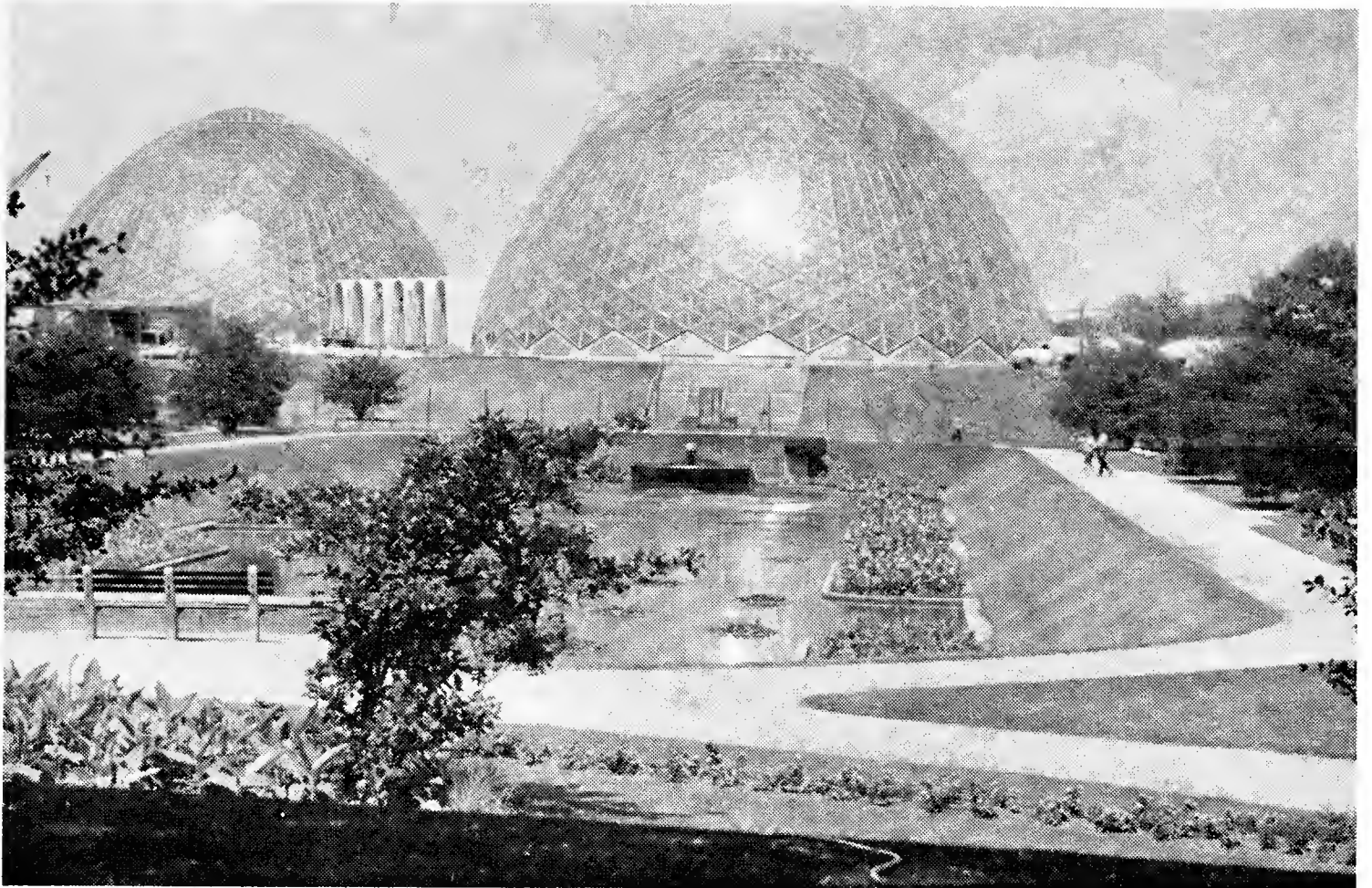
### INTRODUCING 1965-66

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## THE HORTICULTURAL CONSERVATORY

Scene of 1969 AIS Meeting

(Photo courtesy of Super Sky Products, Inc.)

Information about this intriguing meeting place  
will be carried in subsequent BULLETINS

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# ***THE IRIS CLINIC***

“The BULLETIN does not give the newcomer the essentials of growing iris. Another complaint on my part is that the new BULLETINS discuss mainly the new iris. . . .” Editor: The old saw of every newspaper office is *Dog bites man is not news; man bites dog is news*. However, we profess a certain sentimental sympathy for the viewpoint of the author and we have tried valiantly to get some one to write of the great irises of the past that still are worthy of a place in the garden. Perhaps it is just sentiment on our part, but we keep a place for such oldies as TRANQUILITY, GREAT LAKES, OLA KALA, BLUE RHYTHM, CHIVALRY, PIERRE MENARD AND STARSHINE. Newcomers receive a copy of *What Every Iris Grower Should Know* (It is available to others from the St. Louis office), and *Garden Irises* ought to be in the library of everyone truly interested in irises. In addition, *Flight Lines* carries a great deal of information in every Bulletin. But we do wish that our writers would take their hats off in writing about those tried and tested “oldies” when they deserve the bow as they are seen performing in the gardens.

We find ourselves crowded for space, even after publishing an issue with more pages than we had planned. As a result several articles that we had planned to use this time will go over to the January BULLETIN, on the ground that they are as useful in that issue as this one. We particularly find

ourselves crowded for space for THE IRIS CLINIC. There are some interesting points of view. Many people express themselves on various points of view, and we will try to abstract the ideas.

One author suggests that names are not so hard to come by, and for a fee, he will show a system. Another believes that when an iris is registered and introduced, the introducer ought to have exclusive sales privileges for three years.

One of the fruitful suggestions has been that of research into the plicata factor. We already have begun to line up some writers in the hope of getting the best that we have in the way of thinking and research, but the suggestion has been made that readers themselves can participate in the development of these articles by sending in the questions that they have.

Another would like to have a series of Bulletins devoted to each of the color classes, with the idea of bringing into focus the best in thinking and experimentation in the development of blues, whites, yellows, reds, pinks, etc.

Others want the latest and best information on the control of diseases, weeds, and cultural problems.

The suggestion has come that we ought to develop the concept of the Scientific Committee setting up the problems for research, and detailing the methods and controls. The suggestion is that if the Committee would set up the problems and detail what is needed, many would participate in the experiments and send in their results. It is significant to note that we are beginning to get some planned research that may be meaningful, and we are glad to note that several societies have sent in funds for research. We are especially delighted over the check of \$443.30, which the Chicago Convention sent through Ed Varnum to the American Iris Society Research Fund.

What are the cultural needs of rebloomers, especially in the torrid middle-west; what is the progress that is being made in the lengthening of the bloom season; has any attention been given to the development of a plant that has landscape value in itself; what are the best types of backgrounds to use in posing an iris for a slide; what are the trace elements that irises need; what is the future of the test garden program; is there a value in winter cover; when is the best time to cut an iris for a show; what is the best way to transport irises to shows, especially with a number of specimens; these and a myriad of other questions come in for answer. These and others which you hear discussed can provide an article with useful information for our readers.

We are glad to say that after every kind of frustrating delay we can imagine that the *Handbook for Judges and Show Officials* is off the press, and about ten per cent of the number printed were sent out to those who ordered early. It is a 109 page book, and represents the best thinking of the authorities on standards. This one is complete enough to merit study during the winter evenings ahead. Copies may be ordered from the St. Louis office. See the back cover of this BULLETIN.



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# HOW TO REGISTER AND INTRODUCE AN IRIS

These instructions apply to the registration of all classes of irises *except bulbous irises*.

1. Write to our Registrar-Recorder, J. Arthur Nelson, 3131 North 58th St., Omaha, Nebr. 68104, for a registration blank, enclosing check for the registration fee payable to the American Iris Society.

2. The registration fee is \$2.00 for each iris. For each transfer of a name from one iris to another the fee is \$4.00.

3. Select a name which has not been previously registered, which can be submitted for approval when you write for the blank. If you will first look in the Check Lists and the annual reports of the Registrar since 1959 to see if the name has been previously registered, you will save time for yourself and for the Registrar. Please also suggest an alternate name. Mr. Nelson will hold an approved name for a short time to enable you to complete the blank and send it back, but *a name is not registered until the registration blank is filed and approved by him*. A registration certificate will then be sent to you.

4. Names should follow the rules established by the International Horticultural Code, and the following names shall not be admissible:

- a. Names of living persons without the written permission of that person.
- b. Names of persons including forms of address. (That is, JANE DOE, not MRS. JANE DOE.)
- c. Names including numerals or symbols.
- d. Names beginning with the articles "a" and "the" or their equivalents in other languages unless required by linguistic custom.
- e. Abbreviations unless required by linguistic custom.
- f. Latin names or latinized forms. However, the AIS custom of using part of the Latin name of a species, namely, the specific epithet as part of the cultivar name when this seems appropriate, shall be continued.
- g. Use of trademarks or copyrighted names unless previously in common use.
- h. A slight variation of previously registered name.
- i. Names containing more than three words.
- j. Names which exaggerate or may become inaccurate. (e.g., HEAVIEST LACE, TALLEST BLACK.)

5. Previously registered names may be re-used provided (a) the original registration has not been introduced or distributed by name, (b) does not appear by name in later parentage registrations, and (c) the new registrant furnishes the Registrar with a written statement of permission from the previous registrant.

6. Names will not be released as obsolete unless there is proof that no stock now exists and that the iris was never used as a parent.

7. Make parentage records explicit, and include seedling numbers when possible. Color descriptions should be concise, and the designation, conforming to the latest Iris Color Classification of the Committee on Exhibitions, should be included.

8. Classifications of bearded irises will conform to the rules outlined in the January 1958 BULLETIN, pages 9-17. Height and season of bloom are most important. These classifications may be summarized as follows:

- |                                  |  |
|----------------------------------|--|
| 1) Miniature Dwarf Bearded (MDB) | Less than 10"—early blooms.  |
| 2) Standard Dwarf Bearded (SDB)  | 10" to 15".  |
| 3) Intermediates (IB)            | 15" to 18"—hybrids of dwarf $\times$ TB—bloom between dwarfs and TBs.    |
| 4) Miniature Tall Bearded (MTB)  | (Table irises.) 15" to 28"—slender, flexuous stalks, with small flowers. |
| 5) Border (BB)                   | 15" to 28"—shorter irises of TB parentage.                               |

6) Tall bearded (TB) 28" or more.

9. **Introduction.** An introduction is an offering for sale to the public. Catalogs, printed lists, and advertisements in the American Iris Society BULLETIN, are acceptable mediums of introduction. It is a requisite for the awards of the Society above that of High Commendation. *A variety is not eligible for these awards until one year after it has been recorded with Mr. Nelson.* Send him a copy of the catalog, list, or advertisement by first-class mail and he will acknowledge that fact that it has been recorded.

## HOW NOT TO REGISTER AN IRIS

I searched through all the books I had  
And looked for illustration.  
My office was a total mess;  
My desk a devastation.  
I filled the form as best I could  
In scenes of such destruction,  
And sealed it tight and licked the stamp,  
Then looked at the instructions.

SUE M. McLANE

## Iris Slides for Rental

*The American Iris Society maintains numbers of excellent sets of iris slides for rental. Each set contains 100 slides, 35mm size. A list of the names of the irises accompanies each set. Ideal for a program for your iris meetings and garden club meetings, these slides are a fine way to study the new irises. Are you considering, or would you like to see, some new irises? What better way than to rent a set of slides and keep informed on the newer varieties.*

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*Requests for slides should be made well in advance for proper scheduling, preferably 30 days or longer. Include a second date if possible. Give the exact date desired so that slides can be sent insured airmail. They are to be returned in the same manner. The rental fee is \$5.00, payable in advance, for each set of 100 slides. Make checks to the American Iris Society and mail with your request to:*

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