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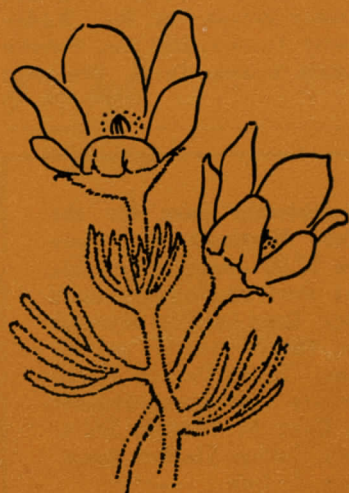
SOUTH DAKOTA

Horticulture



STRAWBERRY PRODUCTION IN SOUTH DAKOTA

South Dakota State College has had numerous varieties of strawberries under observation since 1944. On page 5 is a direct report on 26 of the most promising from Professor S. A. McCrory, head of the Horticulture-Forestry Department.



Pasque Flower
Anemone patens
State Flower for
South Dakota



SOME FUN WITH CORN HUSKS

Cornhusks are available to everyone in South Dakota and they can be used to make some down-right clever flowers and knick-knacks. Mrs. Dewey Benson of Hurley is an old hand at working corn husks. Here she gives some pointers on making both dolls and roses. See her article on page 11.

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'hort' flashes

by DEAN MARTIN
Extension Horticulturist
South Dakota State College
Brookings, S. D.

Greetings to all on this beautiful September afternoon. County Fairs, 4-H Achievement Days and the 1960 State Fair are now all history. We hope you all had a chance to visit or take part in one or more of these events. A partial list of the open class horticultural awards from the State Fair is included in this issue.

In all communities of the state, schools have opened again, and it has also come to pass here at South Dakota State College. Between 3,000 and 3,500 students have returned to the Campus and Brookings is "back to normal."

Your secretary has been asked to speak to District Garden Club meetings at Langford and Iroquois this fall. We feel that meeting with these groups is a more economical use of time than trying to meet with individual clubs.

Meetings. The Keep South Dakota Green Association will meet in Brookings on October 7, 1960. The 6th Annual Field Day for Florists and Nurserymen will be held at State College on October 17, 1960. The State Nurserymen's Association met in Pierre on August 29. Visitors Day at the Horticulture Department of South Dakota State College was observed on September 13; see write-up inside.

Fall Chores. Glads, Dahlia, and Cannas should be dug and put in stor-

age soon. Peonies can be planted or old ones dug, divided and replanted this fall. Spring-flowering bulbs should be planted this fall. See chart inside for further information.

Apples for winter storage should not be picked too soon. They can withstand several light frosts. If left on the trees until maturity, they develop a waxy covering that keeps them from shrivelling. Winter apples should be harvested by mid-October or if temperatures lower than 26 degrees are expected. It is not a good idea to store apples with vegetables since they are apt to pick up off-flavors.

Tuberous Begonias will continue to flower indoors after they have been lifted and placed in flower pots. Do not grow them all winter. Give them a rest period. Gradually reduce the moisture until the stems are dry. The roots can be left in the basement over winter. They should rest from December until March.

Watch that fertilizer! Some recent tests made by Jesse Rawson on plants sent in for analysis have indicated a rather high level of fertilizer elements. In fact the level was so high as to be detrimental to the plants. Be careful to check your plants requirements and then do not overdo when using fertilizer. It seems that more harm might be done by overdoing it than if none was used at all.

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Table of Contents

SOCIETY SECTION

Strawberry Production in South Dakota	5
Growing Peonies	6
Some Ways to Prepare Gourds	7

FEDERATION SECTION

Sletvold Sparks Mum Crusade	9
Some Fun with Corn Husks	11
Ideas That Make Your Garden Club Click	12
So Your Club Needs Money	14

Membership dues for the State Horticultural Society are \$2.00 annually, payable the first of January each year. Dues include payment for the bi-monthly magazine, "South Dakota Horticulture." Send remittances to Dean M. Martin, Secretary, College Station, Brookings, S. Dak.

FAIR EXHIBITS SUFFER FROM HEAT; HORTICULTURE WINNERS NAMED

Horticulture building superintendent, Jack Kunhart reports a huge crowd of visitors for the week. The display of the Men's Garden Club of Huron was a new feature this year. Some new decorations and seating space were also well received.

Most of the exhibits were excellent on Monday but suffered from the intense heat during the first days of the fair. There was an excellent fruit display again this year. Mrs. M. Clausen of Arlington was the winner of the Lillian Gibson rose given by the Horticultural Society.

A partial list of winners in the 1960 State Fair horticulture department follows:

Floral Arrangements

"Ring in the New"—3rd to Miss Lena Wollman.

"Lincoln Birthday"—Mrs. Harold P. Adams; Mrs. John Zeller.

"Valentine"—Mrs. John Zeller; Mrs. Harold P. Adams; Mrs. E. L. Meluis.

"Washington Birthday"—Mrs. L.W. Robinson.

"St. Patrick's"—Mrs. R. P. Kelly, Mitchell; Mrs. Carl Metzger; Mrs. Lewis Borkhuis.

"Easter"—Mrs. R. P. Kelly; Mrs. Ray Huxtable; Mrs. E. F. Dietrick.

"Mother's Day"—Mrs. Herbert Rohrer, Huron; Mrs. E. L. Meluis; Mrs. Lewis Severance.

"Father's Day"—Mrs. John Zeller; Mrs. Carl Metzger; Mrs. Lewis Severance.

"Fourth of July"—Mrs. R. P. Kelly; Mrs. Lewis Severance; Miss Lena Wollman.

"Labor Day"—Mrs. Alden Scott, Artesian; Edith M. February; Mrs. Herbert Rohrer.

"Halloween"—Mrs. L. W. Robinson; Mrs. Earl H. Locke; Mrs. Harold P. Adams.

"Thanksgiving"—Mrs. Earl H. Locke Mrs. L. W. Robinson; Patricia Faye, Huron.

"Christmas"—Mrs. R. P. Kelly; Mrs. John Zeller; Mrs. Harold P. Adams.

"My Garden Has to Offer"—Mrs. Herbert Rohrer; Mrs. L. W. Robinson; Mrs. Angus Saunders.

"Lovely to look at"—Mrs. Earl H. Locke; Mrs. Carl Metzger; Mrs. John Zeller.

"Two Are Better than One"—Mrs. R. P. Kelly; Mrs. Francis Bingen, Andover; Mrs. W. Morgan Sanford.

Arrangement in cup, with saucer as accessory—Mrs. Carl Metzger; Mrs. Alden Scott, Artesian; Mrs. Fay Rhoades.

"Four Amber Waves of Grain"—Mrs. Alden Scott; Mrs. Francis Bingen, Andover; Mary Photakos.

"South Dakota Sunset"—Mrs. Alden Scott; Mrs. Fay Rhoades; Mrs. W. Morgan Sanofrd.

Reflections—Mrs. Fay Rhoades; Mrs. Lewis Borkhuis; Mary Photakos.

"A Garden in Glass"—Mrs. Lewis Severance; Mary Photakos; Edith M. February.

"Hawaii"—Mrs. L. W. Robinson; Mrs. Harold P. Adams; Mary Photakos.

"Alaska"—Mrs. L. W. Robinson; Mrs. R. P. Kelly; Mrs. Bill Zeller.

Dfirt Wood—Mrs. Alden Scott; Mrs. John Zeller; Mrs. Lewis Borkhuis.

Hunter's Theme—Mrs. Fay Rhoades; Mrs. Alden Scott; Mrs. Lewis Severance.

Wall Decoration—Mrs. L. W. Robinson; Mrs. Lewis Severance; Mrs. Herbert Rohrer.

How Dry I Am—Mrs. R. P. Kelly; Mrs. Fay Rhoades; Mrs. John Zeller.

Junior Arrangements

"No School Ttoday"—Judy Rohrer; Mary Hurd; Pam Ella Peterson, Huron.

"A Bark Yark Flower Garden"—Vickie Huxtable, Huron; Marlowe Montgomery, Huron; Trudy Reese, Huron.

(Continued on page 8)

Fruit Breeding Featured AT SDSC Horticulture Day

Approximately 50 people attended the Horticultural Visitor's Day held at South Dakota State College.

Dr. Ronald Peterson, Associate Professor of Horticulture was in charge of arrangements for the event, which featured fruit.

Prof. S. A. McCrory, Head of the department spoke briefly on the work being done with fruits at the college. He also stated that contrary to some newspaper headlines fruit breeding was not being discontinued at State College. One older project has been revised and work will be carried on under two new projects with a new approach and new techniques in the future.

Dr. Peterson showed and discussed several varieties of apples being grown in the State College orchard. He also discussed trees being used as parent stock for breeding work.

James Waples, field foreman gave a short talk and demonstration on spraying fruit trees for insect and disease pests.

During the afternoon session, Dr. Peterson discussed the development of new fruit varieties and also showed the work being done in the development of a good high-quality, winter-hardy grape for South Dakota.

Prof. McCrory discussed the work being done with small fruits. He told of the variety testing of strawberries and the cultural studies for the testing of winter hardiness in raspberries. At the close of the meeting the visitors had the opportunity to see an apple cider press in operation and also received a treat of cider and ginger bread.

DO YOU KNOW YOUR POTATO VARIETIES?

(Material taken from the 1959 Potato Handbook, Potato Assoc. of America)

Early Ohio—Originated by Alfred Reese in 1871 and claimed to be a seedling of Early Rose. Ranks 23rd in certified seed production, grown mostly in Minnesota, North Dakota.

Medium to large, spreading plants with thick, medium reddish purple pigmented stems and medium long, wide, open type, green leaves. White blossom. Round-oblong, somewhat cylindrical tubers with smooth, pink skin and numerous, medium deep eyes and white flesh sometimes with color in cortex.

Susceptible to most common potato diseases.

Irish Cobbler—Reported to be first grown by an Irish shoemaker in Massachusetts. This circumstance is supposed to the source of the name. Also reported named for an Irish shoemaker in New Jersey who first grew it from tubers found as a mixture in Early Rose seed. Ranks 4th in certified seed production, grown mostly in Minnesota, Maine, North Dakota; 4th in Canada.

Early to medium early maturity. Medium, erect to spreading plants with medium to thick, prominently angled, slightly reddish purple pigmented or mottled stems and light bluish green leaves medium in length, breadth and type. Lilac colored flowers. Tubers roundish with white, smooth skin and shallow to rather deep eyes. White flesh.

Immune from wart and resistant to mild mosaic. Susceptible to virus Y (rugose), leaf roll and spindle tuber.



Everett Fletcher, Garden City, Has Won Many Awards at State Crop Shows and State Fairs With South Dakota Potatoes. Varieties Include Pontiac,

Kennebec—Developed by U.S.D.A. and released in 1948. From a cross of two U.S.D.A. seedlings B127 x 96-56. Ranks 5th in certified seed production, grown mostly in Maine, Minnesota, North Dakota; 3rd in Canada.

Medium to late maturing plants with large, spreading vines, thick prominently angled stems without pigmentation and long broad, dark green leaves. White blossom. Tubers elliptical to oblong with shallow eyes, white skin and flesh. High yield and good cooking quality, keeps well and widely adapted.

Resistant to late blight, mosaic and net necrosis of the tuber. Susceptible to Verticillium wilt.

LaSoda—Developed and released in Louisiana in 1948. Triumph x Katahdin. Ranks 27th in certified

production, grown mostly in South Dakota, Minnesota, and Nebraska.

Medium early. Plants very upright with medium to small leaves. Purple flowers. Semi-round to slightly oblong tubers with bright, pinkish red skin, very smooth. Eyes, medium in depth to shallow, white flesh. Good yielder. Some resistance to mosaic.

Pontiac—Developed by U.S.D.A. and released in Michigan in 1938. Triumph x Katahdin. Ranks 9th in certified seed production in Canada, 31st in United States.

Late maturity. Plants upright vigorous and spreading growth, thick, slightly pigmented stems with dark green, long, broad to medium, rough-textured leaves. Blossoms have reddish purple color. Tubers round to oblong with smooth to flaky light red colored skin, medium deep eyes and white flesh. Susceptible to most common potato diseases.

Waseca—Developed and released in Minnesota in 1949. Triumph x Minnesota. Seedling 15-2-10. Ranks 26th in certified seed production, grown mostly in Minnesota.

Vary early maturity. Plants small to medium size, compact to spreading with medium thick, slightly pigmented stems. Long, narrow, slightly blossom tinged with purple. Medium to large oblong to round tubers with medium shallow eyes. Reddish skin color and white flesh. Produces medium to large tubers, very few small size.

PINE CONES

Complete line Pacific Coast forest cones from 1/4 inch cedar to foot-long sugar pine.

For decorative and educational purposes

Beautiful all-cone wreaths; December evergreens, too.

Booklet: WESTERN TREE CONES, Brooklane, Corvallis, Oregon.

HOME OF Seeds and Trees That Grow and Satisfy

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YANKTON, SOUTH DAKOTA

Strawberry Production in South Dakota

By PROFESSOR S. A. MCCRORY, Head
Horticulture-Forestry Dept., SDSC

"Strawberry Production In South Dakota" is the title of a new bulletin released by the South Dakota State College Experiment Station.

In addition to the commercial aspects and cultural requirements the bulletin describes 26 varieties of strawberries under observation at the station. The following information is taken from the bulletin. Requests for the bulletin can be sent to the State College Agricultural Publications Distribution Center. It is Experiment Station Bulletin 486.

Varieties (Nine of the twenty-six varieties are described below.)

Many varieties are regional in their adaptation and may largely determine the success or failure of the strawberry grower. A research project designed to evaluate varieties was started in 1944, and since that time the more important varieties have been grown for observation. Those showing promise have been observed over a longer period and in greater detail.

Like all crops, strawberry varieties have great differences in characteristics. The ability to make runners, survive winter conditions, and produce a good yield of quality fruit were considered. Descriptions given here are designed to aid growers in selecting varieties that will do well under South Dakota climatic conditions and serve the purpose for which the crop is intended.

For local sales the fruit should be attractive, large, and of good quality. It need not be so firm or have other characteristics required for shipping. A variety should have the ability to set runners with existing climatic conditions. It must also be able to tolerate winter conditions without serious loss.

June Bearing Varieties

Pocahontas is fairly new and looked promising in the test plots. It was a mid-season variety, ripening about the same time as Senator Dunlap. The fruit was round, attractive, firm and

of fair quality. The fruit ripened over a long period with fair size to the end of the picking season. The fruit spurs were rigid and stood erect, keeping the fruit off the ground. *Pocahontas* was a fairly good plant maker each year but less inclined to set an excessive number of plants. Plants survived when protected by a straw mulch. This variety is worth a trial as a mid-season variety.

Premier is also known as *Howard 17*. The fruit of *Premier* ripened early and was the earliest good quality variety observed in this test. The first fruit to ripen was of average size but the last of the crop was frequently too small to be of value. The long, pointed fruit was an attractive color, of good quality, and firm. Virus free *Premier* plants were strong, vigorous growers and set runners freely. The variety has been able to "harden" the plants early for winter and could therefore be mulched earlier than any variety observed. *Premier* has long been considered more tolerant to frost than other varieties. This may be due, at least in part, to the long blooming period. *Premier* was a good variety for the early season and was suitable for both home and commercial purposes.

Robinson was a late variety ripening most of its fruit during the first two weeks of July. The fruit was large and bright red. Because of the soft nature of the fruit it did not stand much handling. Quality was only fair and during wet weather many berries decayed. Near the end of the harvest the small fruit was objectionable. *Robinson* plants were hardy and relatively free of foliage diseases. *Robinson* always set many plants and with favorable growing conditions produced too many. *Robinson* was not as dependable as were some varieties and failed to produce a good yield if climatic conditions were not favorable. However, its good points are great enough to recommend it for a late maturing variety.

Senator Dunlap has been the variety most likely to produce a good



crop in South Dakota. The berries were medium in size, frequently soft, and of fair quality. The yield has consistently been greater than any other variety with which it has been compared. It was a good plant maker, even with limited rainfall. It was very winter hardy and will tolerate much cold weather before mulching in the fall. Senator Dunlap should make up at least a part of every strawberry planting as a mid-season variety.

Sparkle was well named as the fruit was to bright and attractive it did sparkle. This medium size fruit ripened late and the blossoms sometimes escaped frost damage. The fruit was firm and suffered little mechanical injury. Fully ripened fruit darkened and was less attractive. The plants were vigor-

(Continued on page 8)

HARDY 'MUMS'

Colorful — Easy to Grow

Reliable even in Prairie Areas

Write for Complete Listing to:

**Sletwold
Greenhouses**

Vermillion, S. D.

(Right on Highway 50)

Growing Peonies

By DEAN MARTIN

Extension Horticulturist, SDSC

The Peony is a hardy and easy to grow perennial. Peonies are best used in large gardens or in areas where they will not appear crowded. They are often planted in groups along shrub borders and may be used as a low herbaceous hedge. There are common varieties with white, pink and red flowers. The foliage is very attractive.

Peonies prefer a location with full sunshine but will do fairly well in lightly shaded areas. They prefer a well-drained rich clay loam soil. When preparing new planting beds or individual planting holes the soil should be enriched with well-rotted manure. The plants should be fertilized each spring with a complete garden fertilizer.

After growing in the same place for several years and plants show signs of deterioration in growth and bloom it may be desirable to divide and transplant peonies.

The plants can be dug in September or early October and the roots divided into smaller pieces, each containing three to five buds. The new pieces should be replanted so that the top bud is not more than 2 or 3 inches below ground.

Occasionally peonies fail to bloom the first year after transplanting.



Some Ways to Prepare Gourds

(From the Sept. 1960 Minnesota Horticulturist)

With their great variety of colors, shapes, and uses, gourds have become increasingly popular for home decoration.

Leave gourds on the vines as long as possible, since the fruits are not fully colored until they are mature. If the skin is hard and unyielding to thumbnail pressure, the fruit may be picked. Lagenaria fruits—the hardshell, colored ornamental types—should be picked when the fruit and stem have turned a little brown. These hardshell

The disease Botrytis Blight sometimes infects peonies and causes blossoms to fail to open properly. The fungicide ferbam can be used to help control this disease. In the fall when the tops have died down they should be cut off an inch below the ground and burned. As soon as growth appears in early spring the new shoots should be dusted or sprayed with ferbam. This should continue regularly at ten day or two week intervals for best control.

September and October are considered the ideal time to make new plantings of peonies. Fall nursery catalogs can be consulted as to the varieties which are available.

type may be left on the vines until after the first frosts if they are not mature.

Cut gourds from the vines with pruning shears or a sharp knife, allowing two or three inches of stem to remain attached to the fruit.

After harvesting the fruits, wash them with soapy water and rinse in clean water to which you've added a household disinfectant. The disinfectant will help control the organisms that often cling to the shell.

Next spread the gourds out on several layers of newspaper in a warm, dry place to allow evaporation of the surface moisture, to let the skin harden and set the color. This process usually takes about a week, during which time the fruits should be rotated frequently so they will dry uniformly.

The curing process is completed by wiping the gourds clean and placing them in a warm, dry but dark room for three to four more weeks.

When the gourds are cured, rub down hard-shell gourds with pumice or fine steel wool—not sandpaper—to remove rough areas.

Application of water wax or varnish will give colored gourds a gloss and accentuate their coloring. After applying water wax, polish with a soft cloth. Be sure gourds are dry when applying varnish. White varnish will heighten the natural color of the gourds; ordinary varnish and shellac are likely to change their color.

If the gourd is to be hung up, burn a hole through the neck with a heated wire. The fruit should not be hung by the fruit stalk, since it is likely to separate from the fruit.



Brookings Garden Show Attracts 600 Visitors

"The Garden Bounty" show sponsored by the Brookings Garden club was held in the Brookings Armory Auditorium, August 26 and attracted about 600 people with 101 visitors signing the guest book representing 35 surrounding cities. Visitors registered from Minnesota, Iowa, Wisconsin, Kansas and Illinois.

Sweepstakes Rosettes awards for exhibitors winning the most first prizes were presented as follows:

Horticulture, Mrs. Sam Wilcox; arrangements, Mrs. Floyd Wiles, and most artistic arrangement, Mrs. Calvin Vaudrey.

Eighty-seven people entered exhibits.

The chairmen of the show, Mrs. Gilbert Gilbertson and Mrs. Leslie N. Wilson, were gratified at the response of the people of the community. Judges were Mrs. Leo Monteith of Brookings, Mrs. George Jorgensen of Dell Rapids and Dr. Ronald Peterson of the horticulture department at South Dakota State College. There were many sidelights at the show such as the educational exhibit on bird identification, a patio design and colored picture slides of gardens taken by members of the club.

'Garden Bounty'



Some of the Displays That Visitors Came to See.

North Dakota Horticulturist Says Red Robin Rose Can't Equal Advertising Claims

By HARRY GRAVES
North Dakota Extension Horticulturist

(From the April, 1960 North Dakota Horticulture Newsletter)

Before me as I write, is a full-page advertisement in color singing the praises of the Red Robin Living Fence. Testimonials tell about this wonderful rose.

Because a great many folks have been disturbed over the fact that they must have been missing out on something all these years, it is time someone puts the record straight, at least as far as North Dakota is concerned.

Until very recently the rose known as Gloire des Rosomanes has been known here as Ragged Robin and not "Red" Robin. Ragged Robin has been used considerably in California as a rootstock for tender roses like the hybrid teas and floribundas. Occasionally, when some of these tender roses

growing here on Ragged Robin roots have winter killed, the Ragged Robin root has survived and come on to make considerable annual growth. However, the following winter it has killed to the ground, or snow line. To our knowledge it has never bloomed in our State.

Our memory doesn't have to be very good to remember the enthusiastic advertisements and fantastic claims made for *Rosa Multiflora* a few years back. Too late for some folks, it was established that the Multiflora rose was not dependably hardy north of a line approximately through central Iowa. Planted here, it grew, but next spring it would be found killed back to the snow line. We hear little about Multiflora rose nowadays on the Northern Great Plains.

Call it what you will, we cannot speak for the behavior of Ragged Robin, Red Robin, or Gloire des Rosomanes, in California, or elsewhere. We do want to make it plain that we don't recommend it for planting in North Dakota. This, in spite of the fact, the ad says, "hardy in all climates."

We frequently have good success in bringing hybrid teas, floribundas, and grandifloras through our vigorous winters by mounding and mulching. Maybe Red Robin could be wintered if mounded. However, there are not many gardeners so energetic they would care to mound a hedge of roses 5 feet tall.

We take this means of passing the word to our members because the breath-taking advertising has caused much correspondence and questions. Unfortunately, some of the inquiries came after the roses were ordered, instead of before.

Fair Exhibits—

(Continued from page 3)

"Pretty Bird"—Mary Hurd; Sue Borkhuis, Wessington; John Bultena, Huron.

"Lovely Leaves"—Marlow Montgomery; John Bultena.

"Little Red School House"—Judy Mary Hurd.

"Cats Whiskers"—Sue Borkhuis; Mary Hurd; John Bultena.

"Festive Animals"—Alan Dietrick, Huron; Trudy Reese, Huron, Vickie Huxtable.

"Christmas Dinner for the Birds"—Larry Rohrer, Huron; Mary Hurd; John Bultena.

Educational Display

Collection of S.D. Horticultural specimens names—Mrs. Lewis Severance; Mrs. Bill Zeller.

Most Meritorious Awards

Best Professional Booth—Walker's Flower Shop.

Most meritorious flower in show—Amateur Class—Edd Grunewaldt.

Most meritorious arrangement in show—Amateur Class—Mrs. Fay Rhoades.

Most meritorious plant in show—Amateur Class—Ruth Ziegler.

Most meritorious arrangement in show—Professional Class—Walker's Flower Shop.

Most meritorious flower in show—Professional Class—Reed's Flowers.

Try storing dahlia roots in plastic bags for winter.

STATE COLLEGE REPRESENTED AT WORLD FORESTRY CONGRESS

South Dakota State College Extension Forester E. K. (Jim) Ferrell attended the Fifth World Forestry Congress which was held in Seattle, Washington August 29-September 10.

Over 2,000 foresters from 90 nations were in attendance. This was the first World Forestry Congress ever held in the Western Hemisphere. Theme of the Congress was the multiple-use of forest lands.

Special emphasis was given to problems of multiple-use of forests and associated lands, including not only the production and utilization of wood and wood products, but also provision of forage, conservation of water, and the development of recreational facilities and the fish and wild life habitat.

In addition to addresses by several world forestry leaders, 200 technical papers were presented. Over 100 educational exhibits and 60 machinery and equipment exhibits were on display.

Fallen leaves that are piling up in corners of the yard should not be burned. Put them in a compost heap, mixing in some good garden soil. Wet the stack thoroughly.

Protect young trees for winter by wrapping the trunk with Sisalkraft paper, aluminum foil, burlap or cardboard. You wear a coat for winter protection, why not put an overcoat on those young trees?

Botrytis disease of peonies can be put on the run through sanitation and dusting or spraying. Cut stems of old plants about an inch below the soil line this fall. Next spring dust new growth weekly with Ferbam or Captan.

Strawberry Production—

(Continued from page 5)

ous and set runners in sufficient quantity. Sparkle survived the winter without apparent injury when properly mulched. It is a promising late variety for both home and commercial planting.

Vermilion was a promising variety. The fruit ripened in mid-season but over a longer period than most varieties. The medium sized fruit was attractive and of good quality. The plants were vigorous, erect growers, and survived winter conditions well. The fruit was easy to harvest and retained its size to the end of the harvest better than most varieties. When well grown, enough plants were produced to make an ideal row. Yields were high, second only to Senator Dunlap. *Vermilion* is a good mid-season variety for South Dakota.

Everbearing Varieties

Gem, an old everbearing variety, is the most commonly planted everbearing in South Dakota. The fruit was round, light in color, and firm enough to stand considerable handling. The tart flavor was sometimes objectionable but the quality was generally acceptable. The fruit was produced on short stems causing much of the fruit to be dirty or decayed. The plants did not produce many leaves with the fruit fully exposed to birds. While *Gem* is considered a winter hardy variety, it frequently showed much winter injury. Like many everbearing varieties, it did not make as many plants as are desired. It was subject to virus diseases with an accompanying loss of vigor. The variety appears best adapted for home use.

Superfection was identical to *Gem*.

Red Rich was a very high quality variety. The large, dark red fruit had eye appeal, was fairly firm, and produced a good yield. The seeds were large and prominent, making it a little objectionable. The plants were large and vigorous, producing plenty of runners. *Red Rich* has shown ample winter hardiness.

Streamliner was observed only two seasons but deserves consideration. The fruit was of medium size, good quality, and firm. The yields were good and the plants were vigorous and produced ample runners. No winter injury was apparent. This everbearing variety is worth planting for trial.

Spring Flowering Bulb Planting Guide

(Adapted from "Spring Flowering Bulbs," USDA Leaflet No. 439)

BULB	PLANTING TIME	PLANTING DEPTH	SOIL
Crocuses	Mid-Sept.	Cover 2"-3"	Prefer
Daffodils	Mid-Sept.	Cover 2-3 times depth of bulb	well-drained,
Hyacinths	Sept. 15-Oct. 15	Cover 3"-5"	sandy
Tulips	Mid-Oct.	Cover 2-3 times depth of bulb	loam



SOUTH DAKOTA

Federation of GARDEN CLUBS NEWS

Edited by MRS. GEO. M. JORGENSEN, DELL RAPIDS, S. DAK.

Former State Officers Not Entitled to Free Magazines

You wouldn't think of sponging a free subscription to *Better Homes and Gardens* or to *Flower Grower*, yet SDFGC members accepted 528 free copies of the *National Gardener* last year. Thirty-six state officers and 52 garden club presidents received a year's free subscription. That makes 88 individuals who received issues six each or 528 copies during the year. If you are a state officer or chairman, or a garden club president, you are entitled to receive *National Gardener* free during your term of office. If you are now out of office and still receiving free copies, you are doing so under false pretenses. As your term of office nears its end National Council asks that you please send them the name and address of your successor, your name, your office, and a statement that the copy being allocated for you should be sent to the name which you give them. All you have to do to continue receiving it is to enclose a dollar bill with the letter and mail to Mrs. Henry DeVries, Cavour, who will see that the correct adjustments are made.

Though South Dakota has only 47 paid subscribers, we are not the lowest on the list, but come in among the lower fifth of the state federations. Surprisingly Alaska, with only seven free subscriptions to each of the seven garden club presidents, pays for 23 subscriptions, so their percentage is much higher than ours. Let's boost *National Gardener*.

YEARBOOK CONTEST ENDS

Dec. 15—Deadline for *Hearthside Press Yearbook Contest*. Send entries to *Hearthside Press, Inc.*, 118 E. 28th Street, New York 16, N. Y. One club in each state may win a book worth \$3.95.

SLETWOLD SPARKS 'MUM' CRUSADE

The influence of chrysanthemum specialist, Harold Sletwold, of Vermillion has helped to make South Dakota gardeners chrysanthemum conscious because of his many illustrated lectures, gifts of magnificent blossoms, and general promotion of these handsome fall favorites. According to reports of planning committees there should be some spectacular flower shows this fall featuring chrysanthemum varieties.



SDSC Hobo Day
Mum

other clubs make planting plans in the spring to be ready for a real display. Tri-State Garden Club at Valley Springs pledged their members to buy plants for their forthcoming show.

Madison Town and Country Garden Club ordered 40 varieties of mums this spring in preparation for their show on September 21st.

Hurley's Green Thumbers bought 200 plants and distributed them among growers. "Delivering them was so much fun," said Lucille Sherard, "just like hanging May Baskets!"

Canton Garden Club planted the magnificent number of 715 chrysanthemums in 31 different varieties. Canton should be a good city to visit during fall bloom time especially after we have just listened to the spat

(Continued on page 11)

The In and Outdoor Gardening Roundtable of Sioux Falls and the Fair City Garden Club at Huron have long held chrysanthemum shows, but

Support KSDGA

One of the work resolutions passed at the recent State Convention was to "Encourage participation in the Keep South Dakota Green activities." Business of special interest to the SDFGC concerns the assistance given by the KSDG in our Litterbug Contest.

For the past two years the Keep Green Tour has included the South Dakota Federation's Litterbug Contest winner and taken that child to the Black Hills for a week's paid vacation. Now the suggestion has been made that SDFGC should pay a membership fee of \$50.00 to help pay our share of the expenses incurred on such a trip.

This would be one fee from the state, not from individual clubs. It has also been voted by the KSDG directors to limit their tour to five children and a chaperone, which ruling might have some effect on future Litterbug winners.

DATEBOOK

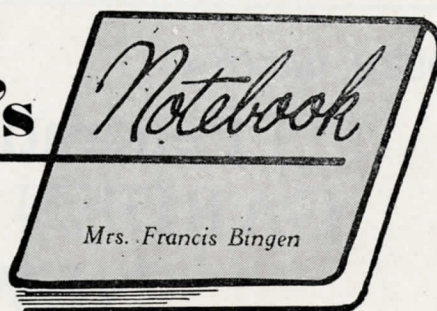
Oct. 15—Deadline for copy for **SOUTH DAKOTA HORTICULTURE**. State Chairmen, please do not wait to be reminded to send in articles concerning your department. Garden clubs, send your news to Mrs. Dewey Benson, Hurley. Individuals, please send the editor stories of garden successes, new plants you have grown, house plant stories and others.

Dec. 3—Christmas Flower Show at Britton

Dec. 5-6—Flower show, "Winter Curtain Call," Mitchell

Dec. 10—Madison Holiday Show, sponsored by Madison Garden Clubs

President's



DEAR GARDENERS:

Hasn't this been a short, short summer? So many plans not yet carried out and soon cold weather will come when much activity will of necessity be curtailed.

Did you have a good time at the Fairs this summer? Did you take exhibits, or did you wait for the other person to do all the work? You know that if we want to see exhibits, we will also have to make an effort to support the Fair program. Where else can we advertise our garden club work as well as at the Fair?

I want to thank each and every one of you who is helping to make the Rocky Mountain Regional Meeting a wonderful day to remember. Especially do I want to thank the Huron Garden Clubs who are working so hard to see that my every wish is carried out. Wonderful people, those Huronites!

We are still waiting to hear from a club who is ready to host the convention next year. Since it is Centennial year, the work will be augmented by several clubs, so the initial work for the host club will be less. Please let me hear from you so that we can begin planning the best Pageant of Progress ever.

Sincerely,

Ida Bingen, President, SDFGC

Order National Flower And Garden Calendars Now

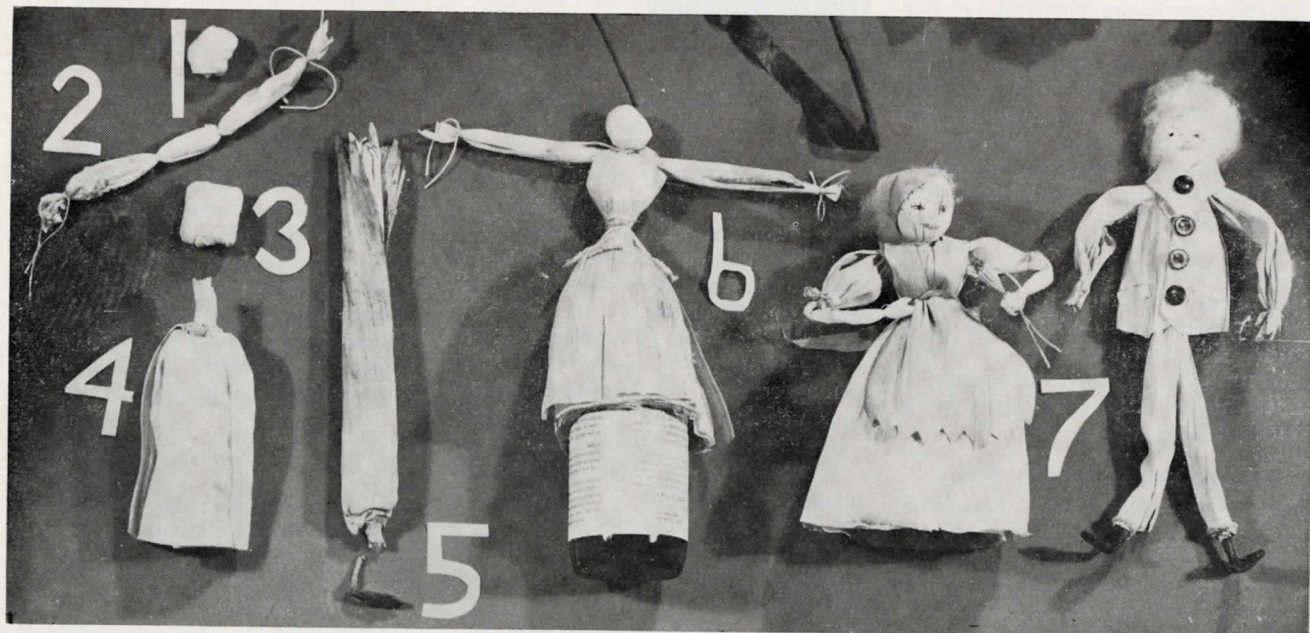
National Council's own Engagement Calendar is off the press now and ready to make money for you to the exact degree in which you promote its sale. This calendar is not to be confused with the many other engagement calendars for this may be obtained only through National Council Books, Box 4965, Philadelphia, 19, Pa. The 52 photographs are supplied only by members of Federated clubs,

and include one by our own Mary Foster Baughman.

If you order only five copies you may hand over \$1.75 to your treasurer; fifty copies will add \$22.50 to your bank balance; while 100 calendars divided among your members and sold to friends and acquaintances will more than double your profits at 50c per copy for you. Many clubs say this is the easiest money maker of all, and the item is one which you can be proud to use as inexpensive gift items. Calendars sell at \$1.25 per copy in a gift box, and are available only from the above address.

This is the last call for entries in the 1962 calendar, as all pictures must be received at headquarters before December 15, 1960. If you have taken no pictures of your prize arrangements this summer you still have an opportunity to photo a mum design or something made with dried materials. National will reimburse the winner for the cost of the photo and enlargement. Pictures must be VERTICAL, black and white, glossy, and an 8x10 inch size. An application blank must be secured from your State President and sent with the picture. Do not write on the back of the photo. Attach your name and address on a separate slip by means of Scotch tape.

We urge you good arrangers to try your luck. It would be unthinkable not to be represented in the 1962 edition.



Some Fun With Corn Husks



By MRS. DEWEY BENSON
Hurley, S. D.

Corn husks are available to almost everyone in South Dakota. In the south-eastern part, we have but to open the door on a windy day and there they are. So why not have some fun with them?

Do go out and get the husks before they blow in. You will have nicer husks and they will have some color, slightly green or reddish brown, and of course you will have so much better quality. Then when the long winter days come, get out your husks and have some fun.

If you don't like the color of the husks, you can bleach them in a quite strong Clorax solution. Or you can dye them any color you choose. I use Rit. Rinse well after either method.

Make a Rose

When you do go to work, dampen the husks slightly, this makes them pliable. Let's start with the roses. I cut the petals from the slightly dampened husks, then the edges don't crack. Make the smallest petal about 2 inches long and 1 inch wide and shape as in "A". Make some medium size and some larger petals. The size of the petals and how many you use determines the size of your finished rose. Curl the petals over a pencil as in "B". If petals are too damp they won't curl, if too dry they crack.

Take a piece of wire the length you wish your rose to be, add an extra inch. Make a twist as in "C". Wrap wire with flora-tape. (I use brown.) Now start with the small petals and work your way through medium, and use the large petals for the outside. Use as many as you wish

to get the size rose you desire. I use plain sewing thread to wrap each petal tightly, it's the least bundlesome (see "D.")

Put green calyx "E" on securely, trim off excess off the lower part of the petals so it will look like a natural seed-pod after flora-taped. Sand or beige colored crepe paper strips may be wound over the flora-tape if desired. Be sure to make a few buds also to go with your rose (see "F") and you will be surprised how often some guest will walk over the feel of the roses to see if they are real.

Corn Husk Dolls

Now for the corn-husk dolls pictured on the opposite page:

1. Roll dampened husks into a small ball for head.
2. Roll 2 or 3 leaves (depending on thickness) together lengthwise to make arms. Tie at wrists and shoulder.
3. Roll husks into a slightly larger ball for torso.
4. If a lady is the choice, cut off one whole husk (that has a little protruding at the top), to the desired length.
5. If gentlemen are preferred, cut a full corn-husk in half lengthwise (I like a stub, so I use $\frac{1}{2}$ of 2 husks.) Roll to look like a pant leg. I paste the leg together. Make a foot from a piece of wire. I use stove pipe wire and flora-tape.
6. Assembling. Take a piece of husk of good length. Put it over the head and tie at neckline. Put arms in next to head and then torso. Take the protruding part of the ladies skirt and put up in torso and tie at waistline. The gentle-

man's top part of the trouser leg can also be caught up in this way.

Now you are ready to dress your dolls and to have fun. With the husks damp, you can do almost anything you like. You can fashion bonnets, pinafores, sashes, etc. Add some more husks for the skirt and trim hem-line and your doll will stand, put the dampened skirt over a bottle to form it. Corn silk can be used for hair. (I didn't gather any so I used cotton.) Be sure to pin or tie the arms the way you want them while they are still damp. When dry they will keep that position.

Sletwold Sparks—

(Continued from page 9)

of raindrops on the walk outside.

The National Chrysanthemum Society has made a few changes in the point score scale in judging mums, which are herewith published so you can evaluate your specimens. For disbudded blooms; Size 20, Color 20, form 5, substance 10, freshness 10, Fullness 10, stem 10, and foliage 15.

In judging sprays the score is divided into three parts—blooms, the size 10; color 5, form 10, substance 5, freshness 10 and number of blooms 10. Second part relates to the form and grace of the spray, each category being allotted 15 points or a total of 30; while the stem and foliage are given 10 points each to make the complete score 100.

In judging a collection of several varieties the score gives 50 points to quality of blooms, number of varieties 20, stems 10, foliage 10 and effectiveness of the entry 10.

Some Ideas That Make Garden Clubs Click

Gleaned from the club presidents' reports at State convention. Other projects and activities are reported in Gleanings each month. Watch for them.

Andover—Plants and cares for the City Park.

Baltic—*Green Growers*—Gave \$20.00 toward landscaping the new Community Hospital near Dell Rapids.

Canton—made all the plantings at Hiawatha Park, at the hospital. Bought 715 chrysanthemum plants in 31 varieties; made and gave 84 May Baskets for shut-ins; gave a ginala maple to each of the Junior Gardeners in the community.

Centerville—*Country Garden Club*—reads items from *SOUTH DAKOTA HORTICULTURE*, and from *NATIONAL GARDENER* at each meeting, as well as the newsletter sent out by District IV Chairmen, Mrs. H. O'Banion. (Could this newsletter be called the *FOUR-CAST-ER*?) The group learned the botanical names of 20 plants last year; each member planted a new rose; and paid the wages of two men who take care of the rural cemetery.

Crooks—*Rural Circle*—had ten of their members—about 90%—attending the banquet and sessions of the State Convention this year.

Britton—*Home Garden Club*—held their 6th Standard Iris Show in 1960. They bring an arrangement to each meeting. Assist with care and planting of the Roadside Park.

Britton—*Evergrowing*—Made wreaths at Christmas for each of the local churches. Gave a book to the library in memory of a deceased member. Help with Roadside park.

Britton—*Start-A-Plant*—Held a flower arrangement workshop; assist with the Roadside Park.

Groton—Planted trees as memorials in the City Park.

Huron—*Fair City*—Members attended Dayton's Flower Show in Minneapolis and participated in the Crop and Flower Show and the State Fair. Have bower arrangements at each meeting; make flower arrangements for church, and these do double duty

by being taken later to the hospital; teach Bible lessons to Juniors; send a tray at each meeting to a member who is ill; send a Mother's Day card to one other mother outside of their family.

Huron—*Huron Garden Club*—Members take a tour of Oakwood Lakes.

Madison—Made beautiful net Christmas trees for all the patients at the hospital. EVERY MEMBER subscribes to *National Gardener*! (Is this the only 100% club in the state?) They judged 63 litterbug posters as a result of their campaign; and learned the botanical names of 20 plants during the year. They gave corsage demonstrations and attended the Spencer Fair in a group.

Miller—*Community Garden Club*—Plant the flower and planted one location known as "Posing Hill" where many color pictures are taken; Displayed and identified 40 types of material to use for dried designs.

Rapid City—Donated 1000 tulip bulbs to the Children's Park; send bouquets to every person from out-of-town who is hospitalized in their city (wonderfully kind!); make bouquets for other patients; and conducted a successful Litterbug contest.

Roscoe—*Ivy Circle*—Bought picnicking equipment and a stainless steel slide for the local park; painted equipment which was there; bought a new 50-Star flag for the park and hired a man to see that it is raised and lowered daily at the proper times; planted and cared for two flower beds, and promoted the planting of Hopa Crab trees with gifts of trees. They conducted a Litterbug Contest; and hold an Information Please period of 15 minutes at each meeting at which time questions which were asked at the previous meetings, are answered.

Sioux Falls—Plants and cares for plantings at the YW and YMCA.

Sioux Falls—*Garden Hobbyists*—Presented lectures in gardening and flower arranging to train leaders at the YWCA.

Valley Springs—*Tri-State*—Held a tree planting ceremony and dedication on Arbor Day. Three new trees



Horticulture Happy—Mrs. Harry C. Saum, 1st vice-President of the Nebraska Federation of Garden Clubs, signs her letters, "Horticordially yours."

JUDGING JUSTICE—Rewards of being a Flower Show Judge come from meeting the wonderfully friendly people, from seeing the ingenious ideas evolved in creating beauty with flowers, and in studying the variety of horticultural specimens grown over our state.

The Members of the Green Growers Garden Club of Baltic used a simple but highly effective way of calling attention to their exhibit, by having a member explain it during a brief program. The display itself was simple yet effective and rates a "well done" for this three-year-old club. Using a series of six containers of glad specimens, and six cards with beautifully legible printing, the whole process of hybridizing glads was illustrated.

The display was set up by Mrs. Gordon Thompson.

SANTA'S HELPER—Yes, Virginia, there is a Santa Claus—in this case, he is Mr. John Pinney of the Willis Nursery Company, Ottawa, Kansas. Mr. Pinney was guest speaker at the State Convention in Sioux Falls; is an avid wild flower fan and photographer. As is usual during the

(Continued on page 13)

were planted on the hospital grounds at this time the Litany for the dedication being written by the state Poet Laureate, Miss Adeline Jenney. We hope to have room to print the ceremony next spring.

Vermillion—Elected a panel of all male officers to run the club.

Webster—Made seven wreaths to place at the doors of business places; held a "traveling" tulip display May 25 by placing tulip bouquets in the windows of business places; planted four flower beds and five window boxes for the public.

Webster—*Lawn and Garden*—Work with Retarded Children's Groups.

Flower Show Awards Wait for Someone

Mrs. Francis Nelson
Hurley

I would like to have a copy of a schedule of every flower show held in the state for my records. A report of the number and types of shows held would interest all members. Write me for application blanks and evaluation sheets.

Remember there are several awards available for flower show achievement:

1. The purple robbon allotted the two best shows given by one garden club.

2. The blue ribbon for achievement in home and garden shows.

3. The red and green rosette Christmas flower show award (This award is no longer competitive with other states. Apply if your club gives a winter show. The state is entitled to one award rosette from national.)

4. The blue and white flower show award ribbon may be awarded to a standard show sponsored by two, three of four federated clubs located near one another. A ribbon will be awarded each club. (This award is non-competitive with other states.)

5. The gold ribbon awarded by the SDFGC for flower show achievement.

6. There is also a new award offered for well written flower show schedules. If you are interested in any of the above awards, write to me and I will supply the details.

Compost continued—

rush we chatted a moment. During that brief meeting he learned of the loss of one of my treasured books, "Weeds of Kansas." When we returned from a vacation, to my surprise and delight, Mr. Pinney had mailed me an extra copy he had at the nursery. This is the best book for identification of prairie wild flowers of which I know, and since it has been out of print a number of years it has become a collector's item. We really appreciate this gift.

MIGHTY MANAGEMENT — When the Green Thumb Garden Club of Hurley puts on a show they insure public awareness by sponsoring allied community events. With "School Days" as their theme for the August 4th show, they sponsor a

School Belle Contest complete with ballots and a decorated ballot box to hold the votes for each "Belle" in the contest. The club also enlisted the help of the Ladies' Aid from the M.E. Church to serve lunches; and a former business man, Mr. J. H. Hutchinson, brought his electric organ to the hall and played it for them during visiting hours. Judges were treated royally to dinner before work, and to "coffee" following judging.

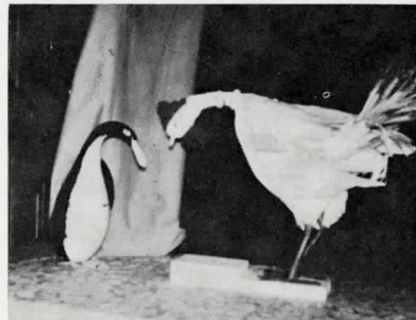
SCENE STEALERS—We thought of the following quotation last month when we sought out the wilderness campsites in Colorado during a brief vacation. Colorado has had the foresight to set aside many thousands of acres of state parks and recreation areas, but no matter where you go the woods are full of campers. "Each of us had need to escape occasionally from the noisy world which surrounds us and seek refreshment in the grandeur of Nature. Yet year after year our scenic treasures are being plundered by what we call "advancing civilization." If we are not careful we shall leave our children a legacy of billion dollar roads leading to nowhere except to other congested places like those we left behind" from General of the Army, Omar Nelson Bradley in Recreation Magazine. We saw the quotation in Plains Talk but it is so thought-provoking it will bear repeating many times. We wonder how soon the saturation point will be reached.

GLAD GLADDING—Eight blue ribbons and three red were part of the success story of Mrs. Gordon Thompson, Baltic, when she and Gordon took time off to enter glads in the Minnesota State Gladiolus Show at Granite last month. When we congratulated her on winning from famous glad growers there she said, "Oh, it's not Minnesota that worries me, it's North Dakota." She will not be satisfied until she has proven that South Dakota can grow better glads than anyone in the nation.

In Baltic her entry of three specimens of Dark Brilliance was given the award as the best horticulture display in the show.

At least one other club in the state makes a special effort to promote glads and dahlias. At Hurley Mrs. Francis Nelson and Mrs. Claude Sherard specialize in dahlia delights and the club

'CORN HUSK CAPERS'



A rooster made of corn husks with wheat for a tail and apenquin made from a gourd. Made by Mrs. Francis Bingen, Andover. Mrs. Bingen has been making corn husk items for many years in her work as a 4-H Club leader, and recently conducted a workshop on resourcefulness, using the same idea for the Wyoming Federation of Garden Clubs in July. She has taught the 4-H girls to make a great many things from cornhusks, using the inner husk for flower work, and gathering the husks at the time the corn was being picked in the fields. She says it is so easy to work with.

grows many varieties of both tender bulbs.

INTERESTING INTERLUDE—in the regular programs for the Dell Rapids Garden Club is a monthly feature "What's New," given at each meeting by Mrs. James Nesby. Topics for "What's New" are as varied as the available sources, and since they are always a surprise, members look forward to hearing them.

MAN VS MEALS—A rash of programs on edible plants seems to have broken out among South Dakota clubs, the latest being a talk on Edible Weeds by Mrs. Delia Mandler at the Green Growers meeting. She also displayed plants grown in that locality. We wonder if Oren Bates, Wildlife Writer, listened to her talk for his story "Last Man Could Live Well in South Dakota. Pictures of several plants—arrowhead, Solomon's Seal and rose hips are shown, and suggestions are made for a shrimp breakfast from roasted crawdads. No one need go hungry for long in South Dakota during the growing season, but combating the cold during later months would call for great ingenuity and durability.

Nita

SO YOUR CLUB NEEDS MONEY?

By MRS. G. M. JORGENSEN

Few garden clubs in South Dakota assess dues which are high enough to provide extra cash for flower show expenses, civic projects and other activities without added income from another source. As we listened to the splendid reports about club work at the Presidents' Breakfast at our 1960 convention, we filed away a few ideas which might be of use to other clubs seeking a financial boost.

Plant Sales Popular

Almost all groups have spring plant sales of some kind, usually offering surplus items from the gardens of members. If most of the patrons are recruited from outside the club roster, these sales can be quite successful.

The plants you sell must be carefully dug, individually wrapped, and correctly labeled to attract the best buyers. Bare rooted plants, hastily dug, which leave a trail of dirt across the sales room table and floor as they are carried out, serve only to discourage new buyers as well as repeat customers the next year. Brief cultural directions and descriptions of uncommon plants will yield proportionately high returns.

Such a sale netted a \$45.00 bank account for District V when the Tri-State Garden Club sponsored it at the annual meeting at Valley Springs last fall. Baked goods, canned foods, and any other donated item may be included for sale.

Sunshine Garden Club of Highmore pioneered in the most successful type of plant sale by ordering nursery stock in wholesale quantities and selling at retail. Their \$100.00 and \$150.00 profits astounded me during the early garden club years when most clubs were struggling to raise small fractions of that amount. Last year the club sold 5000 glad bulbs and made \$83.00.

An alliance with Clifford Smith, Vermillion iris hybridizer has repaid the Hurley Green Thumbers with a nice cash balance from the sale of iris and other plants. In this arrangement the grower sends named iris in the 50c price range, for any amount specified by the club. Since the rhizomes are his choice, additional plants are thrown in gratis—depending on the size of the order. The 50c iris were sold at cost, the profits accruing from

the sale of the gift plants, plus donations from the members.

At Rapid City, the Father of the Garden Club, John Atkinson, was able to buy 1000 plants at less than wholesale after the season was well advanced. Even by selling them at the low price of 18c each, the treasury balance was boosted by more than \$83.00.

*Is there a club with soul so dead
That never to itself hath said,
"We need MONEY"?*

Auctions Work for Some

Few garden clubs are blessed with an auctioneer-member, but if such a salesman is handy you might take a leaf from those Petal Pals at Brookings. Their annual Fall Festival and Hobby Auction sales at Pioneer Park was held on August 22 with vegetables, bulbs, flowers, jellies and handwork bringing top prices through the persuasive "calling" of Aldred Monteith. They made \$40.00.

Auction sales are but one of the ingenious means by which the Petal Pals have earned money. In this club everyone works at every project. Last year each of the 15 members was given a dollar from the treasury. Instructions were to make that dollar grow as fast and as much as possible during the summer. When the principle and interest was called in, it tallied the fine sum of \$89.98 for the treasury—an average interest of \$5.00 on each of the original dollar investments.

This club also won numerous awards at the state convention. Cash received was used to purchase bird feed to keep their feeders at the roadside parks supplied.

Though there are no figures on the income involved, the community service supplied by the small Corsage Club of Hurley is something out of the ordinary. With only seven members in the group, the club takes it upon themselves to make corsages, bridal bouquets, and other decorations for all events in the community. The Club is available to handle the orders which would no doubt be completed by a florist in a larger city.

Winter Materials Sell Well

At Dell Rapids a sale of winter decorations and arrangers' materials was

a new and lucrative venture last fall. The goal was part of a community-wide project to raise money for a new hospital, which no doubt helped sales, but the event also introduced to the general public wreaths and swags, designs of dried materials and other items for gifts and home decor which may lay the basis for future sales by the club. A total of slightly more than \$150.00 was received, about two-thirds of which was profit, and this was used to purchase landscape plants for the hospital.

Most original, and less work than most of the money making ideas from the clubs is the one used by the Country Garden Club of Centerville, where the girls made a State Flower and Bird quilt. Each quilt block was embroidered with the name of a state, its flower, and its state bird. Such a project is easy because the work may be picked up at odd moments and there is no last minute rush for anyone. Chances were sold which enriched the club with more than \$100 clear profit.

Book Sales

Surprisingly enough, not one club reported on the sum allocated to them by National Council through the sale of books or of flower arrangement calendars, the most highly profitable source of income for hundreds of individual clubs and federations in the nation. If the Tri-State Garden Club has bought all of the books their members are reading, from National Council Books, their percentage of the cost should have boosted their finances by several dollars. Each member of this club is required to read a garden book every month! Other clubs must have bought a lot of them too, according to the state treasurer's report that our share from the sale of books in the state amounted to a total of \$202.00. Let us hear about such sales. Madison Garden Club used to sell several hundred dollars worth of books, sent on consignment, to their flower shows. Ten percent of all sales was allocated to the club treasury and 3% reverted to our state funds. These percentages count up.

Not all clubs have shared with us their secrets of cash resources, but if any have had novel or unusually successful methods of adding to their income, please report it to the editor. Perhaps we can run another article on ways and means next year.

Religious Themes in Flower Arrangement

By RUTH E. MULLINS

Hearthside Press, Inc., New York, \$5.95.

No more need you spend anguished hours worrying about the Church decorations you are charged with making for Christmas, Easter, Lent, or any other occasion.

Here is a new book whose title fails to indicate its practical value to any group or individual responsible for making flower arrangements which have a religious significance. RELIGIOUS THEMES IN FLOWER ARRANGEMENT is a beautiful book of 74 designs, each one of which is fully described as to title, material and colors used, and the symbolism of each which ties it to the theme; and it is clearly illustrated with photographs large enough so you can easily copy it for your next assignment.

In addition to the illustrated arrangements the book contains a wealth of reference lists which give the mean-

ing of many forms, colors, flowers or other plant materials, as well as Biblical passages wherein certain plants are mentioned. These reference lists make possible many substitutions, and an individual approach to making arrangements for the beginner and the advanced designer alike. The circle, the pointed arch of Aspiration, the pineapple for hospitality, and the potato for benevolence are explained; and anyone could devise an arrangement signifying penitence or sorrow after reading this book.

Ruth Mullins has a record of having given over 50 lectures in one year, and this valuable book substantiates the reason she is so much in demand as a speaker.

The final chapter is of special value to garden clubs for it gives suggested flower show schedules with a religious theme, but the chief delight of the book is in its lovely arrangements and the explicit directions for making each one.

THE POWER OF PRAYER ON PLANTS

By the Rev. Franklin Loehr

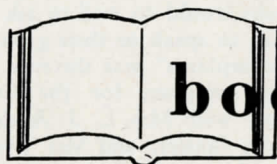
Doubleday Co. Garden City, N. Y. \$3.50

The Christmas season would be a wonderful time to read this thought-provoking and stimulating book by Rev. Loehr.

Rev. Loehr, trained for a brilliant career as a scientist, was obsessed with the idea that man's spiritual nature could be established by research on a scientific basis. This book is the fascinating story of his experiments in which he chose prayer as the spiritual force, and a series of quick-growing seeds for the physical material. The results were astounding, and were corroborated by more than 150 persons who participated in the research projects, using over 27,000 seeds and seedlings, in 700 different tests. The experiments proved to his great satisfaction that prayer is a force that can make a difference in the way seeds sprout and grow. It also established the curious fact that a few persons have remarkable powers of negation, which raises the question of more research in using such prayers against cancer and other malignant growths in persons.

The author compares the spiritual power of prayer to the cosmic rays which can pass through 8000 miles of solid earth and continue on into space with speed undiminished, and that those who pray directly to God can tap great surges of power—even the creative thoughts and feelings of God Himself, with which he permeates our universe and surrounds us. He concludes that God can and does answer prayer, for he has seen it happen "too often to doubt it." Maybe there was something to it when Grandma "talked to flowers," after all.

Printed in Japan, the book is a luxury edition for any library. It is notable for heavy, slick paper, bold black diagrams and sketches, and an extreme paucity of words which should appeal to busy people. It is replete with photographs, each page being devoted to one design, its placement sketch, and the succinct description. A minimum of material is also used in each arrangement, and Miss Hara stresses the ease and beauty of using two or three blooms with a few pieces of greenery.



Flower Arrangement Calendar for 1961

By Helen Van Pelt Wilson;

M. Barrows and Co., Fourth Ave., New York. \$1.50.

This is the 15th annual edition of the Flower Arrangement Engagement Calendar and the tremendous progress in the beauty and originality of the arrangements pictured is at once evident.

These are all flower arrangements, more than half of them being interpretative, so they are very helpful in suggesting new ideas for flower show entries. Each arrangement is made with the design principles in mind, and descriptive notation is like seeing a demonstration of the design being made.

Flower arrangements from 50 states and regions are shown, and the name of the state is given at the top of each page so it is easy to find South Dakota's entry by Hazel Zeller of the Fair City Garden Club at Huron. Her de-

sign depicts "Bright as a New Penny," using a dust pan sprayed with copper and combined with bright gaillardias, —so suitable for the week in late August in which it is pictured.

Flowers Around the Clock

By Seiko Hara, David McKay Co., New York.

All who admire the grace and simplicity of Japanese flower arrangements will welcome this book by Miss Seiko Hara which illustrates the new trends in Free Style of the old art of Ikebana.

Instead of the rigid design standards dictated by the old schools of flower arranging, Miss Hara's compositions reflect a new freedom adaptable to both Eastern and Western environments. Her refreshing break from the traditional is achieved by using the dial of your kitchen clock to indicate the angle at which each blossom is to be placed, and these free style designs are the major source of inspiration in the book.

Garden club cleanings

Green Growers Are Active

The Green Growers Garden Club, Baltic, S. D., have been very active this year. They sponsored a Litterbug Poster Contest with approximately 25 posters being entered.

In April husbands were guests as they met in the Fenn's Tea Room. Clarence Dybvig showed slides and talked on "Trees." Also in April a Spring Tea was held. The interesting program was given by the daughters of the members. Slides were shown of various gladiolus arrangements. Bulbs, plants candy and white elephants were sold.

At each meeting the hostess provides an arrangement for the serving table. The club is now busy planning for their 3rd Annual Flower Show to be held in August.

Hurley Has Visitors

The Green Thumb Garden Club of Hurley entertained at Visitors Night on the evening of July 14th. Members from Viborg, Canton, Irene, Wakonda, and Centerville clubs were in attendance. Mrs. George Jorgensen was guest speaker and showed slides from her "Alaksa Trip." Tea time and visiting followed. There were also displays of lilies and hemerocallis for all to enjoy.

District V Prepares for Meeting

The lovely rural home of Mrs. G. C. Egge, District V chairman, was the scene of a planning session in August when Mrs. Egge invited all district officers and garden club presidents to her home near Garretson. An invitation from the Rural Garden Circle of Crooks, was graciously accepted, all committees appointed, and programs planned for the annual meeting to be held in the West Nidaros Church. Committee appointees are: Nominating—Mesdames Jorgensen, M. Scott and C. Scott; Flower Show—Mesdames Mortenson, Domnisse and Poley; Program—Mesdames O. Olson, Trobak and E. Olson, while Mrs. Edwin Olson, President of the Dell Rapids Gar-

den Club will conduct a Memorial Service. Representatives from all but two clubs in the district were present to partake of the delicious luncheon served by Mrs. Egge during the session. The Egges are now in the process of moving to a new home in Sioux Falls, where they will continue to be gracious participants in the SD-FGC activities.

Tri-State Club Features "Around the World With Flowers"

The Tri-State Garden Club held its Flower Show "Around the World with Flowers" at the Lutheran Church in Valley Springs in June. There were 195 entries in the Horticulture, 42 house plants, 68 entries in the artistic division, and 27 Junior entries. Twenty-seven out of 30 members had exhibits and 200 people signed the guest book.

Mrs. Ethel Palmberg won the best in the show, Mrs. Roy Sanford sweepstakes in Artistic, Mrs. Marion Scott sweepstakes in Horticulture, and Dianne Bjork won in the Junior division. Lunch was served to the guests in the afternoon and evening, and dinner to the judges. The theme of the show was carried out cleverly. In the center of the floor a large globe was placed on the highest table, so it could be seen from anywhere in the room. About it were grouped the tables with Horticulture and then the Artistic Division.

Green Growers Hold First Standard Show

A "Rainbow of Color" was successfully achieved by the Green Growers of Baltic, at their first Standard Show held in the Lutheran Church there. Each class in the design division was displayed in bands of one-color throughout the room. A wide array of varieties distinguished the horticulture division, with a display of Iceland Poppies attracting considerable attention. Recurring periods of hot, dry heat makes it difficult to grow this flower successfully in our state. Mrs. W. Mandler's arrangement of red flowers in the Oriental manner was chosen best in the show.

Wakonda Holds First Standard Show

The Pasque Garden Club of Wakonda sponsored a standard Flower

Show at the Nelson Hardware Store in June. This was Wakonda's first standard show and they did very well indeed. The theme was "Prairie Progress" and they had such clever classes; for example 66—Our grandparents came to prairies lush and green; a green arrangement; 67—With their plows they turned the sod, driftwood; 72—Blizzrd of '88, white; 73—Prairie fires take their toll, red. This show was held in conjunction with their Jubilee year celebration and all were wearing pioneer clothes.

Dell Rapids Club Hears Don Allen

The Dell Rapids Garden Club was fortunate in being again able to hear Don D. Allen, District Forester, Wattertown, who was one of the speakers at the State Convention in Sioux Falls. His talk was given in connection with a program on Conservation, with Mrs. L. G. Elsinger, State Chairman of Conservation, in charge. The meeting was appropriately held in the Dell Rapids Sportsman's Clubhouse in the beautiful setting at the Dells, and husbands and friends were guests. Other clubs would do well to ask this young man to speak to their group. "Happy Houseplants" was the title of the August program for the Dell Rapids club, with Mrs. L. J. Anderson, Mrs. John Janssen, and Mrs. Lyman Merry forming a panel to present their experiences in growing lovely plants for gracious indoor living. Slides and plants were used to illustrate their talks.

Hurley Club Holds "School Days" Theme

School Days was the theme of the Flower Show held at the Legion Hall in Hurley on August 4th. The schedule specified 71 classes. The "School Belle" was selected from the numerous candidates. The candidate from Hurley, Holly Breen, was chosen to reign and presented with an appropriate gift. Mr. J. H. Hutchinson furnished music on his Hammond organ. A program on Conservation was given at 3 P.M. and 8 P.M. The educational exhibit was "Steps in Planning a Flower Arrangement."

Special Note

Don't say I didn't warn you. If you don't send in items I'll fill the column with items about Hurley. So lets hear from you.