

VOLUME 30

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DAKOTA HORTICULTURE

AUGUST-SEPTEMBER, 1957



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IT'S WATERMELON PICKING TIME!

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YOUR STATE HORTICULTURE SOCIETY

Organized in 1884 the Horticulture Society of South Dakota has served many purposes during the establishment and development of the state. The pioneer used trial and error as he learned to live in the new area. What a source of information this was for the early settler. The Horticulture Society, through its annual meeting, provided the opportunity to meet and exchange information. Later the annual report gave this information in printed form to those not able to attend the meeting. The magazine served a similar purpose at monthly intervals. With growth and development of the state have come new needs. Some of these are too specific in nature for the Horticulture Society to serve. As a result, new organizations have been formed to serve in specialized areas. It is well that we have Federation of Garden Clubs, Keep South Dakota Green Association, Farm Forestry Council, Parks Association and many others. These are "service organizations" of a specialized nature. There is a mutual interest in many of their programs. How many organizations would say, amen, to the "Don't Be a Litter Bug" program? Yet, there are many worthwhile programs in need of a united front. It is well known that the number of evergreens planted in our state is much too small. How can we encourage the greater use of such species? This is an example of where many organizations could better promote a program. If a union of all organizations can be made, greater things can be accomplished.

DAKOTA HORTICULTURE MAGAZINE FUTURE UNCERTAIN

As this issue of Dakota Horticulture goes to press the future plans of the magazine are not known.

The reasons for this uncertainty are two-fold: (1) The failure of the 1957 legislature to appropriate funds for the Horticultural Society and; (2) the retirement of W. A. Simmons, long-time Secretary and Editor.

The duties of Secretary of the Society have been accepted by Dean M. Martin, Extension Horticulturist at South Dakota State College.

In action taken by the Executive Board at the annual meeting an editorial board was set up to study ways of continuing the magazine.

The secretary was named chairman of this board. Henry Dybvig and Russell Rulon represent the Society while Mrs. Jorgensen and Mrs. Photokas represent the Federation. Mr. McCrory and Mrs. Tompkins also meet with this board as presidents of the respective groups. This board met in Brookings August 2, 1957, to discuss problems in relation to the magazine. It was decided that this issue of the magazine would be prepared by the editorial board.

If the magazine is to continue it appears that at least a part-time editor will be required in order to handle all the necessary details.

The executive board is exploring possible ways in which the magazine can continue. Suggestions for financing and editing the magazine would be welcomed by the board.

The board would like to take this opportunity of expressing its appreciation to Mr. W. A. Simmons and all the regular and other contributors to the magazine for the fine way in which they have made the magazine possible through these many years.

It is hoped that satisfactory arrangements can be made to continue the magazine so as to best serve the horticultural interests of the Dakotas.

W. A. SIMMONS TO EDIT ANNUAL REPORT

Mr. W. A. Simmons, Secretary emeritus, will be in charge of editing the 1957 Annual Report of the State Horticultural Society.

Anyone having material which should be a part of the Annual Report may submit copy to Mr. Simmons at 1620 South Spring Avenue, Sioux Falls, South Dakota.

S. D. Federated Garden Club Officers

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Miss Alice Platt, 2nd V. P. Langford
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Mrs. Leon Jeffries,
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AUGUST-SEPTEMBER

Vol. 30

Nos. 6 and 7

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TABLE OF CONTENTS

Your State Horticulture Society	66
Dakota Horticulture Magazine	
Future Uncertain	66
W. A. Simmons to Edit	
Annual Report	66
President's Message.	
Mrs. Vern Tompkins	67
The Pioneers and Since.	
W. R. Leslie	68
Convention Report.	
Mrs. Vern Tompkins	69
Thirteenth Robertson Award.	
Harry Woodward	69
Garden Club Gleanings.	
Mrs. R. K. Morrell	70
The Permanent Home.	
Mrs. D. S. Baughman	71
Newsletters. H. A. Graves	72
The Litterout Put to Rout	73
Constitution Reviewed	74
Flower Show Report.	
Juanita Jorgensen	74
South Dakota in National News	75
New Officers Elected	75
Glad Days at Hurley.	
Mrs. Francis Nelson	75
My Experience In Horticulture.	
R. L. Wodarz	76
District V Invites Garden Clubs	76
Zoysia and Mondo Ground Covers	76
Plastic Greenhouses	77
District IV Boosts Permanent Home	79
Agassiz, N. D. Club Reports.	
Mrs. John Mysdal	79
1957-58 Dues Notice	80

DAKOTA HORTICULTURE

PRESIDENT'S MESSAGE

by

MRS. VERN TOMPKINS



Mrs. Tompkins

Greetings to Garden Club members and Friends of the Federation. We are starting a new year with a whole new staff of officers, trusting that we will be able to cope with whatever situation arises. Your

new president appreciates your vote of confidence, and again hopes that you will have the same degree of confidence at this time next year. Needless to say we must have the cooperation of every club and every individual member, to make our Federation grow and prosper.

We had a wonderful convention at Pierre, and enjoyed to the utmost, the super quality of Pierre hospitality. If you were not there you missed a good time and the inspiration that meeting together always gives. Madison has invited the convention for next year, and we were happy to accept. The report of the convention appears elsewhere in this issue.

State Chairmen which I have appointed are: Year Book, Mrs. Andy

Photokas, 1062 Montana, Huron, S. D.; Slides: Mrs. Clarence Sunding, Highmore (Countryside Garden Club); Permanent Home, Mrs. D. S. Baughman, 1001 3d St. N. E., Madison; Parliamentarian, Mrs. R. J. Drew, Highmore (Sunshine Garden Club); Junior Garden Club, Mrs. Milo Shultz, Huron; Horticulture, R. Rulon, Yankton; Program: Mrs. Frank Melbourne, Highmore (Sunshine Garden Club); Therapy, Mrs. Lester Thoreson, Dell Rapids; Personnel, Mrs. Clifford Scott, R.R. 4, B 34, Sioux Falls, S. D.; Flower Show Schools, Mrs. John Bushfield, Miller; Historian, Mrs. Frank Mock, Britton; Litterbug, Mrs. Alden Scott, Artesian; Roadside Development, Mrs. Claude Preston, Mobridge; Memorial Gardens, Miss Kathleen Dailey, Groton; Bird Study, Mrs. Wesley M. Beardsley, 917 N. Egan Ave. Madison; Garden Centers and Visiting Gardens, Mrs. Andrew Melham, 721 1st St. N. W., Watertown; Circulation, Mrs. Henry DeVries, Cavour (Fair City Garden Club); Publicity, Mrs. James A. Nesby, Dell Rapids; Blue Star Hiway, H. N. Dybvig, Dell Rapids; Landscape, Wm. G. Mecksam, Assistant Professor of Horticulture, State College, Brookings; Legislation, J. M. Atkinson, Box 1495, Rapid City; Awards, Mrs. Eugene Whitmore, 224 7th St. Brookings; Scrapbook, Mrs. C. D. Moyer, Winner; TV and Radio Council, Mildred Ibach, 509 South Dakota Ave.,

Sioux Falls; Flower Shows, Mrs. Francis Nelson, Hurley.

Mrs. Francis Bingen, Andover, newly elected Vice President, will have charge of the various districts and will work with district presidents. A list of districts areas covered and Chairmen follows:

1st—Ray Jarrett (Britton), Roberts, Marshall and Day Counties; 2nd—Mrs. Clifford Raymend (Watertown), Codington, Grant, Clark, Hamlin Counties; 3rd—Mrs. Howard Hoevet (Iroquois), Beadle, Jer-auld, Sanborn, Miner Counties; 4th—Mrs. Leo Monteith (Brookings), Duell, Kingsbury, Moody and Lake Counties; 5th—Mrs. Harold Jorgensen (Volin), Minnehaha, Lincoln, Turner, Union Counties; 6th—Mrs. Harold Jorgensen (Volin), Bon-Homme, Hutchinson, Yankton, Clay Counties; 7th—Mrs. Maurice Hartman (Miller), Hyde, Hand, Faulk, Buffalo Counties; 8th—Mrs. Ed Paeth (Groton), Spink, Edmunds, Brown Counties; 8th—Mrs. Al Bastian (Mobridge), Campbell, McPherson, Walworth, Corson, Dewey Counties; 9th—Miss Nellie Biwer (Pierre), Hughes, Sully, Potter, Stanley and counties south.

I hope that Club members and officers will file this information so that you will know whom to contact on the various subjects.

Yours for a successful and prosperous Garden Club year,

—Mrs. Verne Tompkins



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THE PIONEERS AND SINCE

by

W. R. LESLIE

South Dakota Horticulture Society



Leslie

The prairie scenes have changed very greatly since William Cullen Bryant described them as the unshorn fields. The region remains the same healthy, fertile, sun-place, boundless drenched, happy

place, boundless and beautiful, but horticulturists and gardeners have contributed a diverse wealth of new improved plants for garden adornment.

In rejoicing at the richness of our prairie heritage we pause to pay reverent and affectionate homage to the pioneer plantsmen of the Great Plains. It would be presumptuous for me, a northerner, to try to relate the extensive and splendid accomplishments of your illustrious plantsmen of early days. However, I do wish to confess the profound sense of admiration and gratitude Canadians cherish for those resolute trail blazers of the Dakotas and Minnesota who built the foundations for prairie horticulture. They played a major role in getting together and improving a varied collection of hardy plants.

Dr. N. E. Hansen looms up as the giant of the group. His plant hunting, importation, skilled plant breeding, and prolific introduction of complex hybrids and valuable varieties, gives him the rating of Emperor of prairie gardens. A large proportion of fruits and woody ornamentals being grown with gratifying success in Canadian prairie home gardens were born at the South Dakota State College. Moreover, many of the new local varieties introduced in Manitoba, Saskatchewan and Alberta during the last thirty years had at least one, and in some cases both, parents of Dr. N. E. Hansen vintage. He was truly a very great man, and the benefactor of all generations to come. His breadth of outlook was invaluable. He challenged us to plant promising seedlings, not by the dozen but by the hundreds of thousands. Verily, the expansive prairies do call for the use of a bold brush. To

be worthy successors we must function on large-scale basis and with resolute attack.

Charles Haralson did much as an assistant to Professor Hansen, and later when he became displaced over in neighboring Minnesota.

Max Pfaender also was a courageous and imaginative go-getter. His efforts at Mandan were unique. Planting trees in small squares of four trees, in the Russian manner, two hardy and two high quality; using various mulch; and employing other novel cultural methods, including pruning variations, were fresh approaches.

W. P. Baird has been functioning fruitfully at the Great Plains Field Station at Mandan. His improved apples, plums, cherries and currants are adapted far into the north.

John Robertson made history with his ingenious western orcharding and his black raspberry. Fittingly, you have officially recognized his good works.

Dr. S. A. McCrory, aided by his talented staff of keen scientists, is triumphantly carrying the South Dakota march in horticulture upward and onward. We have profited from one golden era. Another one seems to be unfolding. The words of the poet are recalled:

*"Mourn not for the vanished ages
With their great heroic men,
Who live in history's pages
And in the poet's pen,
For, the greatest days are before
us . . ."*

As chairman of the steering committee of the Great Plains Region of the American Society for Horticultural Science, Dr. McCrory is giving leadership in having prepared a historic record of Great Plains horticulture.

Dr. A. F. Yeager spent a productive seventeen years in North Dakota. Along with Dr. Hansen he looms up like a Shakespeare among plantsmen. It is amazing to recall his remarkable successes with gooseberries, raspberries, strawberries, apples, apricots, cherry-plums, tomatoes, corn squash, and other vegetables in his all too brief sojourn among us. Happily, his wizard performances seem to be continuing back on the Atlantic coast with at least one eye appraising them as to value for the prairie realm.

Dr. A. C. Hildreth is another notably effective researcher. You will recall not only the rare collection of

plants he has acquired from all around the earth, and the liberal manner in which he has shared them, but the enlightenment he has shed upon plant growth tendencies peculiar to Great Plains areas. His explanation of the effect of our abundance of ultra-violet sunlight, and our high lime soil on metabolism of plants means increased mastery in local horticulture. His Cheyenne horticultural station has been fruitful. Probably one of his most important acts was to secure an extra hardy form of Russian olive from the eastern steppes of Russia. That dry land, alkaline-tolerating tree is certainly widely valuable in shelterbelt, ornamental, and bird food planting.

Now, mention of deep esteem and happy gratitude must be made so that pair of outstanding perennials, who have been doing us all so much good through these many years—W. A. Simmons of the South and Harry A. Graves of the North. As architects of the widely helpful journal "Dakota Horticulture," they spread guidance and pleasure far beyond their awareness. Few toilers have functioned with such triumphant success.

A grateful word about the nurserymen of the north-central United States: How fortunate we have been to possess their suggestions, dependable stock, new introductions, and understanding support. The passing of Dr. George F. Will has left a sadly felt void. Among the plants of distinction he introduced is the Schubert chokecherry, the reddish-leaved ornamental that is suggestive of the Missouri Valley redmen whom he knew so understandingly. Mr. L. R. Sjulin and Mr. H. N. Dybvig are two others for whom Canadians, with you, have much causeto esteem heartily and gratefully.

Right here, this paper should get down to a zone upon which I have more warrant to comment and in which you may derive some interest. Horticulture on the Canadian prairies is gaining in momentum. A sizeable group of trained horticulturists are established at Experimental Farms, Forest Nursery Stations and Universities. Several nurserymen are illustrious plantsmen and are contributing various new plants of wide value.

The temptation to review in detail accomplishments in prairie plant improvement must be resisted. Fortun-

(Continued on page 73)

CONVENTION REPORT

by

MRS. VERN TOMPKINS

The fourteenth annual convention of the South Dakota Federation of Garden Clubs and the seventy-fourth annual convention of the South Dakota Horticultural Society, was held in Pierre City Auditorium June 20-21-22.

The Pierre Garden Club entertained the Federation Board at their Pre-Convention Board meeting, at the lovely home of Mrs. Goef Garrett. A bounteous dinner was served, and we do thank the Pierre Club for their hospitality, then, and all through the convention. The beautiful program books, prepared by the Pierre Club, were passed at this meeting.

The Convention opened on Thursday morning, with registration starting at 9:00; the formal opening being at 10:30, with J. M. Atkinson, President of the Horticulture Society, presiding. The invocation was by Rev. Virgil Coburn. The Girl Scouts presented the Colors and led the Flag Salute. In the absence of Mayor A. E. Munck, his wife very ably welcomed the convention to the city. Mrs. W. J. Hughes, President of the Pierre Club gave the welcome from the hostess club. Mrs. Menholdt Christensen gave the response. Addresses of the Presidents of the two organizations, and reports of officers followed.

Mrs. G. S. Cuddy, Director of the Rocky Mountain Region, delivered a very entertaining and instructive address in the afternoon. Walter J. Fillmore, State Forester, spoke on the Forestry and Parks Program in South Dakota. Delights of Growing Iris was the subject of Mr. Clifford Smith's talk. He showed beautiful slides of Iris accompanied by instruction for the care and propagation of Iris. The demonstration and film on the use of Plastic Mulching—courtesy of the Kordite Co. was most interesting. Imagine, if you can, a garden with no weeds to pull.

Mrs. Earl Kindred, President of S. D. F. G. C., was Toastmistress at the banquet, held at the Catholic Church hall. Mrs. F. S. Mattocks, Boulder, Colo., was the banquet speaker, her subject being "Gardening—Past, Present and Future." In her usual pleasing manner, she gave a word picture of gardens from the

beginning of time, and into the far distant future. Mrs. Mattocks speaks without notes, and with no groping for words. She really holds her audience. Neal Luebke, Pierre, gave a number of readings which were much enjoyed. Harry Woodward presented the John Robertson Award to W. R. Leslie, of Winnipeg, Canada, for his outstanding work in Horticulture. (The presentation of Garden Club Awards, by Mrs. L. B. Severance, will, I believe, be reported elsewhere in the magazine.)

Friday morning, the President's breakfast was held in the Episcopal Guild Hall. At this time the reports of Garden Club presidents was heard. This is a good time to compare notes and learn something from other clubs. Reports of State and District Chairmen were also given at this time. Rev. A. Schroeder gave the invocation.

Dr. W. R. Leslie gave an address in the forenoon, Pat Dixon, of the State Hiway Commission also spoke.

The Litter Bug luncheon, held in the American Legion cabin, was well attended and enjoyed. The Litter Bug nutcups were clever, as was the Litter Bug demonstration after lunch. W. H. Pringle spoke on Litter Prevention, and W. S. Hannon talked on the 'Capitol Grounds.'

In the afternoon Mrs. Tomoka Yamamoto demonstrated 'Flower Arranging in the Oriental Manner'. Mrs. Yamamoto comes from Des Moines, Ia. She is very tiny, very frail looking, and her demonstration, and explanation of her arrangements was very interesting. She does not use a profusion of material, and every blossom and leaf has a place, exactly right. We are privileged to have had this opportunity to observe her work.

Election of officers was held, with Mrs. Menholt Christensen giving the report of the Nominating Committee, which was unanimously accepted. Installation was held with Mrs. Oscar Pravocek, Winner, Installing Officer.

The Sisters of St. Mary's hospital were hostesses to a Tea after the session, and we enjoyed a tour through Mary House.

The Smorgasbord at The Isaak Walton Cabin on Farm Island was one of the high lights of the convention, with Dr. V. F. Schumaker entertaining with a 'Quickie,' and Mr. Glenn Martens giving 'Memoirs of Life along the Missouri.' The skit by the Pierre

Garden Club members, assisted by a few others, was a relaxing bit of entertainment. Thus ended the convention proper, with those who stayed over enjoying the tour on Saturday.

The Pierre Club did a wonderful job of entertaining the convention. We know that a lot of hard work was involved. So many lovely decorative touches, nutcups, favors, centerpieces; also the door prizes, as well as the Coffee Breaks which are so refreshing.

We ran out of time for the White Elephant Auction, the proceeds of which go to the Permanent Home, but Mrs. Baughman assures us that a neat sum was realized anyway.

The Madison Clubs and the City of Madison has invited the convention for next year; so, see you in the Lake City in 1958'.

DR. W. R. LESLIE PRESENTED 13th ROBERTSON AWARD

Presented by Harry R. Woodward at the 74th Annual Meeting of the South Dakota Horticultural Society in Pierre, South Dakota, June 20, 1957.

The Robertson Award for Distinguished Service in the field of Horticulture was made possible through a trust fund left by the late John Robertson, pioneer fruit-grower and horticulturist from Fall River County. In the words of this year's recipient, "John Robertson was a remarkable man, resolute trail blazer, and inspired leader among horticulturists of the Great Plains."

John was an active member of the South Dakota Horticultural Society and served as its president for several years. His last resting place is in a small memorial park beside the highway a few miles west of Hot Springs. This park is the property of the Horticultural Society and has been landscaped with native trees and flowers. It was his express desire that a portion of his estate be set aside for the purpose of honoring and recognizing those who have performed outstanding service to the Society and to the field of Horticulture.

It is a privilege for me as trustee of the Robertson Memorial Fund to present the thirteenth Robertson Award to Dr. William R. Leslie, eminent Canadian Horticulturist, for significant achievement of enduring value to North American Horticulture.

Dr. Leslie embarked on his scienti-

fic career with his college training at the University of Manitoba. He transferred to the Manitoba Agricultural College where he graduated in 1916 with a Bachelor of Science degree. He was awarded the Gold Medal for general proficiency by the college upon his graduation.

Following graduation he spent one year at the Central Experimental Farm near Ottawa, taking out six weeks to attend Ontario Agricultural College for post-graduate work in horticultural plant breeding. He then served four years as plant specialist in charge at the Northern Ontario Plant Breeding Station near Ft. William.

In July, 1921, Dr. Leslie arrived at the Morden Experimental Farm near Morden, Manitoba, where he served for thirty-five years until his retirement in July, 1956. Between 1920 and 1928 he took time off to complete 3 years of Post-graduate work at the University of Minnesota. In 1952 he was honored at the Fall Convocation of the University of Manitoba with an L.L.D. degree for his outstanding service to prairie horticulture.

Dr. Leslie has served in many important positions and has been given many honors including:

Life Member—Agricultural Institute of Canada

Award of Merit—Minnesota Horticultural Society

Kinsmen Award — Community Welfare, Morden

Citation for 50 Years Service—in testing plants for cold climate by the American Horticultural Council

President—Great Plains Group, American Society for Horticultural Science

President—Manitoba Horticultural Association

President—Manitoba Branch, Agricultural Institute of Canada

President—Western Canadian Society for Horticulture

First Vice President—International Peace Garden

Chairman of Research Committee —Manitoba Federation of Game and Fish Associations

Canadian Representative — to the Royal Horticultural Society of London, 1951

Consultant—for landscape development for the Manitoba Department

ment of Public Works and for the Royal Canadian Air Force, hospitals, Peace Garden, parks, rural and secondary schools

He has participated in many other significant activities as well.

However, Dr. Leslie's principal contribution to mankind consists of the many horticultural developments which took place while he was superintendent of the Morden Experimental Farm. The steady growth of the Farm is the result of the energetic devotion of Dr. Leslie to his job. During his term as superintendent, he and his associates have been responsible for the production, naming and distribution of 75 varieties of trees, vegetables, shrubs, and herbaceous perennials.

The Almey (rosy bloom) crab apple and the scout apricot are highly esteemed and in strong demand in the United States. Morden Pink lythrum is planted from Maine to California. Prairie Almonds promises to be more popular than the double flowering plum. Silvia Mock Orange is distinctive and has great possibilities. Mantet apple is rated as fine early dessert apple. Manito Pembina is a large fruited superior variety of American Cranberry bush. Sun-up aster is a dependable autumn flower. Morden spruce, Morden Elm, Toba Hawthorn, Redman elder, plus a host of vegetables are but a few of the results of Dr. Leslie's efforts which adorn the farms and gardens of the Great Plains area.

Dr. Leslie's enthusiasm for trees and shrubs has spread throughout the plains and has influenced the home-maker, the farmer, the conservationist, and the horticulturist. A visit to the farm which he so carefully planned is as thrilling to the amateur as it is to the professional.

Dr. Leslie's life is aptly exemplified by the following verse entitled the *Tree Planter* by Stanley Foss Bartlett.

Whoever planted rows of trees,
beside the roads and lanes,
God rest his soul in heavenly peace
and bless him for his pains,
For he who gave of time and toil,
who gave of heart and hand,
To nurse the tender shoots that
were to shade the ways of man,
Was quite as great as those who
built of stone and minted gold.
No need to cast his name in bronze,
his deeds need not be told.

DR. LESLIE, WE SALUTE YOU!

GARDEN CLUB GLEANINGS

by

MRS. ROBERT K. MORRELL

Greetings to all from your new Corresponding Secretary. My most fervant hope is that I may be able to do this work as well as did my predecessor. I will really be tops if I can equal her work. When I can lay my hands on a photograph of myself which shows me as attractive in appearance as the rest of the contributing writers whose pictures appear atop their columns, I shall immediately send it to the editor so that he may put it at the head of my column. Please do not look for it right soon as I have slim hopes of finding such a photograph. Will you please send your reports to me at 103-S. Poplar, Pierre?

Mary Berther of the Madison Garden Club writes that during the first six months of the year their club enjoyed many worth while programs. Their January meeting was a re-cap of their annual Holiday Show and a report of Mrs. Baughman's Hawaiian trip. Installation of officers with an impressive rose ceremony and slides of the Rose Bowl Parade (shown by Mrs. Terwilliger) comprised their February meeting. March meeting was highlighted by a film on "Wild Flowers of South Dakota" and papers by Mrs. Schrepel and Mrs. Terwilliger. Mrs. E. M. Kindred spoke informally at their June meeting and County Agent Marvin DeHough showed films on "Bugs, Bees and Beetles." Their new officers are: Pres., Mrs. H. Jensen; Vice Pres., Mrs. John Cross; Vice Pres. Mrs. Thos. Smith; Sec., Mrs. Edwin Rentz; Treas. Mrs. Warren Anderson and Corresponding Secretary, Miss Estella Runkle.

The Rural Garden Circle of Crooks must be having an interesting year. In June their program was "What we see in a Flower Arrangement." This was presented by Alice Tideman. Arrangements which had been brought by members were displayed and analyzed following the talk. It was voted to send \$10.00 to the Children's Home in Sioux Falls. Their Family Night party was in the Fenn Fountain Room on June 30th.

Mrs. Dixon of the Community Garden Club in Miller tells me that they had a tea, a Flower Show and a talk on Flower Arrangement by Mrs. John Bushfield, all in June. At their

DAKOTA HORTICULTURE

June meeting with Mrs. Veral Borah and Mrs. A. B. Crossman, Mrs. E. M. Kindred spoke on Perennial Planting for Color Next Year. Mrs. Crossman told of her recent trip to the Peace Garden on the North Dakota border.

Mrs. L. N. Brakke of the Lyons Garden Club writes that the program for their June meeting was Corsages and their July meeting was a study of local Wild Flowers, each member bringing a wild flower to be identified. Sounds so interesting, doesn't it?

Such enthusiasm in the Down to Earth Garden Club of Winifred! They really organized in 1952 and then became federated in March, 1957, their club flower the sweet pea and their bird the Meadow Lark. They have an annual flower show, and have made many trips to visit local and distant home flower gardens, green houses and parks. We are all very happy that their club has become federated, they will be a real asset.

Mrs. Flora Jeffries of the Rapid City Garden Club writes of their recent flower show. It was their fourth annual. They had 238 entries not including 60 named specimen exhibits of iris. Sixty-nine African Violets were exhibited and Mrs. Leon Tiaht who had exhibited 16 of the African Violets won the sweepstakes award and Mrs. Brehm second. The purple ribbon for the best individual iris was awarded to Mrs. Rose Nelson. Mrs. Severance of Huron who judged the show, gave a talk and demonstration on flower arrangement. The theme was The Garden Gate and 257 guests walked through the gate which was a beautiful white arch decorated with flowers. Too bad that we all could not see this lovely show.

On May 25th the Centerville City Garden Club held a bake sale and a white elephant sale in their newly remodeled club rooms. (Do you suppose that they are luck enough to have real club rooms of their own?) They had a Club breakfast in the Gunderson park on June 3rd and Mrs. Wass says that they had almost 100% attendance. June 16th was their Family Night meeting.

On June 13th the Pierre Garden Club members were guests of Mrs. E. N. Warne and Dr. V. F. Schumaker was chairman of the program which was on roses. His committee had prepared charts showing the various types of roses which can be suc-

cessfully grown in Pierre and others of the committee talked of the best methods of growing roses. The July meeting was in the home of the C. A. Carrs and after discussing the State Convention which they had recently hosted, the president, Mrs. Walter Hughes, named various committees to work on the coming flower show which is to be on August 16th. The program was presented by Mr. and Mrs. E. C. Thomsen, who supplied suitable flowers with which the members made corsages under the supervision of the Thomsens. Refreshments were served on trays each holding a small corsage. By the way, the Pierre Club's Theme this year is "Loved Gardens are Lovely Gardens." Isn't that a nice theme for a Garden Club?

Good bye now and pleasant gardening until next month,

Sincerely,
Nelle

THE PERMANENT HOME

by
MRS. D. S. BAUGHMAN
State Chairman
Madison, S. Dak.

The Permanent Home Fund is growing almost surprisingly well in South Dakota. Thirty-six clubs are now 100%, as I am writing this, and 5 more clubs will be 100% by the time you are reading it.

Two years ago South Dakota was

3rd from the bottom of the list in contributions of the Federated Garden Clubs. A year ago we were 9th from the top of the list and were 63% of being a 100% state. By August 21 of next week we will be 75% of the goal (the equivalent of \$1.00 per member).

We have not been urging new clubs to give but they are contributing anyway—two are 100% and others have sent gifts.

With the approval of our new State Garden Club President, Mrs. Verne Tompkins, we are now trying to work through the districts. District No. 3 is 100%. Districts No. 4 and No. 10 will be 100% within the week—others are close.

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fic career with his college training at the University of Manitoba. He transferred to the Manitoba Agricultural College where he graduated in 1916 with a Bachelor of Science degree. He was awarded the Gold Medal for general proficiency by the college upon his graduation.

Following graduation he spent one year at the Central Experimental Farm near Ottawa, taking out six weeks to attend Ontario Agricultural College for post-graduate work in horticultural plant breeding. He then served four years as plant specialist in charge at the Northern Ontario Plant Breeding Station near Ft. William.

In July, 1921, Dr. Leslie arrived at the Morden Experimental Farm near Morden, Manitoba, where he served for thirty-five years until his retirement in July, 1956. Between 1920 and 1928 he took time off to complete 3 years of Post-graduate work at the University of Minnesota. In 1952 he was honored at the Fall Convocation of the University of Manitoba with an L.L.D. degree for his outstanding service to prairie horticulture.

Dr. Leslie has served in many important positions and has been given many honors including:

Life Member—Agricultural Institute of Canada

Award of Merit—Minnesota Horticultural Society

Kinsmen Award — Community Welfare, Morden

Citation for 50 Years Service—in testing plants for cold climate by the American Horticultural Council

President—Great Plains Group, American Society for Horticultural Science

President—Manitoba Horticultural Association

President—Manitoba Branch, Agricultural Institute of Canada

President—Western Canadian Society for Horticulture

First Vice President—International Peace Garden

Chairman of Research Committee—Manitoba Federation of Game and Fish Associations

Canadian Representative — to the Royal Horticultural Society of London, 1951

Consultant—for landscape development for the Manitoba Department

ment of Public Works and for the Royal Canadian Air Force, hospitals, Peace Garden, parks, rural and secondary schools

He has participated in many other significant activities as well.

However, Dr. Leslie's principal contribution to mankind consists of the many horticultural developments which took place while he was superintendent of the Morden Experimental Farm. The steady growth of the Farm is the result of the energetic devotion of Dr. Leslie to his job. During his term as superintendent, he and his associates have been responsible for the production, naming and distribution of 75 varieties of trees, vegetables, shrubs, and herbaceous perennials.

The Almey (rosy bloom) crab apple and the scout apricot are highly esteemed and in strong demand in the United States. Morden Pink lythrum is planted from Maine to California. Prairie Almonds promises to be more popular than the double flowering plum. Silvia Mock Orange is distinctive and has great possibilities. Mantet apple is rated as fine early dessert apple. Manito Pembina is a large fruited superior variety of American Cranberry bush. Sun-up aster is a dependable autumn flower. Morden spruce, Morden Elm, Toba Hawthorn, Redman elder, plus a host of vegetables are but a few of the results of Dr. Leslie's efforts which adorn the farms and gardens of the Great Plains area.

Dr. Leslie's enthusiasm for trees and shrubs has spread throughout the plains and has influenced the home-maker, the farmer, the conservationist, and the horticulturist. A visit to the farm which he so carefully planned is as thrilling to the amateur as it is to the professional.

Dr. Leslie's life is aptly exemplified by the following verse entitled the *Tree Planter* by Stanley Foss Bartlett.

Whoever planted rows of trees,
beside the roads and lanes,
God rest his soul in heavenly peace
and bless him for his pains,
For he who gave of time and toil,
who gave of heart and hand,
To nurse the tender shoots that
were to shade the ways of man,
Was quite as great as those who
built of stone and minted gold.
No need to cast his name in bronze,
his deeds need not be told.

DR. LESLIE, WE SALUTE YOU!

GARDEN CLUB GLEANINGS

by

MRS. ROBERT K. MORRELL

Greetings to all from your new Corresponding Secretary. My most fervant hope is that I may be able to do this work as well as did my predecessor. I will really be tops if I can equal her work. When I can lay my hands on a photograph of myself which shows me as attractive in appearance as the rest of the contributing writers whose pictures appear atop their columns, I shall immediately send it to the editor so that he may put it at the head of my column. Please do not look for it right soon as I have slim hopes of finding such a photograph. Will you please send your reports to me at 103-S. Poplar, Pierre?

Mary Berther of the Madison Garden Club writes that during the first six months of the year their club enjoyed many worth while programs. Their January meeting was a re-cap of their annual Holiday Show and a report of Mrs. Baughman's Hawaiian trip. Installation of officers with an impressive rose ceremony and slides of the Rose Bowl Parade (shown by Mrs. Terwilliger) comprised their February meeting. March meeting was highlighted by a film on "Wild Flowers of South Dakota" and papers by Mrs. Schrepel and Mrs. Terwilliger. Mrs. E. M. Kindred spoke informally at their June meeting and County Agent Marvin DeHough showed films on "Bugs, Bees and Beetles." Their new officers are: Pres., Mrs. H. Jensen; Vice Pres., Mrs. John Cross; Vice Pres. Mrs. Thos. Smith; Sec., Mrs. Edwin Rentz; Treas. Mrs. Warren Anderson and Corresponding Secretary, Miss Estella Runkle.

The Rural Garden Circle of Crooks must be having an interesting year. In June their program was "What we see in a Flower Arrangement." This was presented by Alice Tideman. Arrangements which had been brought by members were displayed and analyzed following the talk. It was voted to send \$10.00 to the Children's Home in Sioux Falls. Their Family Night party was in the Fenn Fountain Room on June 30th.

Mrs. Dixon of the Community Garden Club in Miller tells me that they had a tea, a Flower Show and a talk on Flower Arrangement by Mrs. John Bushfield, all in June. At their

DAKOTA HORTICULTURE

June meeting with Mrs. Veral Borah and Mrs. A. B. Crossman, Mrs. E. M. Kindred spoke on Perennial Planting for Color Next Year. Mrs. Crossman told of her recent trip to the Peace Garden on the North Dakota border.

Mrs. L. N. Brakke of the Lyons Garden Club writes that the program for their June meeting was Corsages and their July meeting was a study of local Wild Flowers, each member bringing a wild flower to be identified. Sounds so interesting, doesn't it?

Such enthusiasm in the Down to Earth Garden Club of Winifred! They really organized in 1952 and then became federated in March, 1957, their club flower the sweet pea and their bird the Meadow Lark. They have an annual flower show, and have made many trips to visit local and distant home flower gardens, green houses and parks. We are all very happy that their club has become federated, they will be a real asset.

Mrs. Flora Jeffries of the Rapid City Garden Club writes of their recent flower show. It was their fourth annual. They had 238 entries not including 60 named specimen exhibits of iris. Sixty-nine African Violets were exhibited and Mrs. Leon Tiahrt who had exhibited 16 of the African Violets won the sweepstakes award and Mrs. Brehm second. The purple ribbon for the best individual iris was awarded to Mrs. Rose Nelson. Mrs. Severance of Huron who judged the show, gave a talk and demonstration on flower arrangement. The theme was The Garden Gate and 257 guests walked through the gate which was a beautiful white arch decorated with flowers. Too bad that we all could not see this lovely show.

On May 25th the Centerville City Garden Club held a bake sale and a white elephant sale in their newly remodeled club rooms. (Do you suppose that they are luck enough to have real club rooms of their own?) They had a Club breakfast in the Gunderson park on June 3rd and Mrs. Wass says that they had almost 100% attendance. June 16th was their Family Night meeting.

On June 13th the Pierre Garden Club members were guests of Mrs. E. N. Warne and Dr. V. F. Schumaker was chairman of the program which was on roses. His committee had prepared charts showing the various types of roses which can be suc-

cessfully grown in Pierre and others of the committee talked of the best methods of growing roses. The July meeting was in the home of the C. A. Carrs and after discussing the State Convention which they had recently hosted, the president, Mrs. Walter Hughes, named various committees to work on the coming flower show which is to be on August 16th. The program was presented by Mr. and Mrs. E. C. Thomsen, who supplied suitable flowers with which the members made corsages under the supervision of the Thomsens. Refreshments were served on trays each holding a small corsage. By the way, the Pierre Club's Theme this year is "Loved Gardens are Lovely Gardens." Isn't that a nice theme for a Garden Club?

Good bye now and pleasant gardening until next month,

Sincerely,
Nelle

THE PERMANENT HOME

by

MRS. D. S. BAUGHMAN
State Chairman
Madison, S. Dak.

The Permanent Home Fund is growing almost surprisingly well in South Dakota. Thirty-six clubs are now 100%, as I am writing this, and 5 more clubs will be 100% by the time you are reading it.

Two years ago South Dakota was

3rd from the bottom of the list in contributions of the Federated Garden Clubs. A year ago we were 9th from the top of the list and were 63% of being a 100% state. By August 21 of next week we will be 75% of the goal (the equivalent of \$1.00 per member).

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NEWSLANTS

by

HARRY A. GRAVES



Spread before me on the dining room table as I write this column is the Special Tornado Edition of the FARGO FORUM. There are enough slivers in my fingers from my brief skirmish with the wrecked home of one of my co-workers and friend to give me a small taste of the back-breaking job that has been done the past six days. The end of this rebuilding job is not in sight. Twenty of us made reasonably short work of completing the job that the tornado began on this house. At 5:00 p.m. three weary men with two large dump trucks drove up through the littered alley. It developed that they were members of a paving crew from Detroit Lakes. Their loading machine

ceased operation at 5:00 p.m. They were bone tired, but stopped long enough to load one more load of wall fragments and broken boards.

We are not very accustomed to tornadoes in these parts, but we have been assured that by any standard this one was a dandy.

The story has been told across the land. The special edition says in summary that ten persons were killed; at least 103 were injured. The twister destroyed or damaged 1,364 dwellings, four churches, three schools, and at least 15 commercial buildings. It is estimated 200 cars were destroyed; 300 damaged. Had it not been for the excellent warning job done by radio and TV, the death toll would undoubtedly have been higher.

A very neat annual program has come to my desk from the Green Thumb Club of Steele, North Dakota. The club flower is the False Mallow, a very interesting and colorful native. Their motto, "Pray for a good harvest, but continue to hoe."

By the time these notes reach you, North Dakota County Agents will have the new bulletin by Don Hoag on "Landscaping Your Home," Bulletin No. 407. I have not seen the proof of this circular, but you can be sure it will be well done and practical. Those of you outside the state can get a copy of this bulletin by writing the Information Department, N.D.A.C., Fargo, North Dakota. Also available from the same source and newly revised are our circulars on Peonies and Bearded Iris. Write for them.

Once in awhile something turns up in the life of an Extension Specialist that warms the cockles of his heart. Back in 1937, following the State

4-H Conservation Camp, I sent a package of black walnuts to the delegates who attended. This spring comes a letter from Mrs. Clarence Swenson of Osnabrock (nee Asta Hall of near Gardar), telling of how she planted these 12 walnuts, how only two grew; but that now they have grown into two beautiful trees after 20 years. We hope to have a picture of Mrs. Swenson and the walnut trees in DAKOTA HORTICULTURE soon.

Flowering crabs put on a good show again this spring. Hopa still is outstanding for abundance of bloom. Almey, Red Spleandor, Sundog, and Strathmore have other claims to fame.

Lucie Baltet, one of the most unique and youngest blooming varieties of the French lilacs caught many an eye this spring. One small plant at the southwest corner of Morrill Hall had several large panicles of bloom that hung on for a good long time. Don't overlook Lucie Baltet if you plan to add to your lilac collection.

For striking effect, plant white flowers in front and among the evergreens of your foundation plantings. This spring we have had white Darwin tulips, white geraniums, and white violas growing in our foundation planting. While the quality of our foundation planting is no excuse for opening a keg of nails, the general effect of the white flowers, more or less continuously in bloom, with vergreen backing is very satisfying.

Watch for the very good article on "Trees for Boulevard Plantings," by E. G. George of the Mandan Great Plains Field Station. It is to appear soon in DAKOTA HORTICULTURE.

HOME OF *Seeds and Trees That Grow
and Satisfy*

Gurney Seed and Nursery Co.

YANKTON, SOUTH DAKOTA

THE LITTERLOUT PUT TO ROUT

If you can enlist the wholehearted enthusiasm of children in a project, its success is assured. No contest sponsored by the South Dakota Federation of Garden Clubs has ever attracted more excited interest than that of the Litterbug. Mrs. Leo Monteith, State Chairman, received 256 entries in the Litterbug Poster Contest for 1957, with entries scattered from the Black Hills to the River Sioux, and 28 grade schools participating.

Cooperation from newspapers, radio, and TV stations helped to spread the news of the contest, and teachers and garden club members aided in encouraging participation. Cash prizes of \$3.00, \$2.00 and \$1.00 were awarded to Diane Shaw, Brookings, Jack Staar, Rapid City, and Jack-O-Lyn Gednalski, Dell Rapids, who made the posters judged most effective in the fight against litter. In addition, three litterbags were sent to the outstanding entries from each school, and a total of 256 litterbug buttons were sent to the participants to wear.

THE PIONEERS AND SINCE . . .

(Continued from page 68)

ately, it is possible to direct you to a rather complete inventory in the Proceedings of the Western Canadian Society for Horticulture, 1956, compiled under the title "Development of Horticulture on the Canadian Prairies: An Historical Review." The 184 pages carry much encouraging substance. A few examples of important introductions follow:

Dr. F. L. Skinner, Manitoba, is the most renowned of Canada's plant breeders. He is a rare scientist when it comes to selecting his parent plants and effecting a crop of hybrid seed. His sections are legion; his introductions run into many scores. Among those commanding high acclaim are Dropmore Scarlet Trumpet and Bella Dropmore honeysuckles; Hiawatha, Helen, Pocahontas, Skinner, Minnehaha and Donald Wyman lilacs; Betty Bland, George Will, Will Alderman, Wasagaming, Haidee, and Suzanne roses; Dropmore Pink weigela; Snowwhite and Rosabelle spireas; Aurora soraia; Rudolf rosybloom crabapple; Blue Boy and Grace clematis; Patricia

and Thelma mockorange; Baton Rouge almond; Maxwell, Scotiae, Azalea, The Dutchess, Glacier and Dunkirk lilies, Pigmy Pink, Kittywake, Dr. Speechly, Sunburst, Deanna Durbin, and Dropmore Rose chrysanthemums; Dropmore Purple lythrum. The Skinner tale could stop at this point and be a telling one. Nurserymen in Europe are propagating stock of many of his varieties and shipping them back to American gardeners.

However, we must take a fleeting glance at some of the other successful adventurers into the plant breeding field. The list, to avoid tedium, is restricted to examples of ornamental plants, even though R. M. Wilson's hybrid muskmelon, Farnorth, might be cited as evidence that one single introduction can bring joy to gardeners over the full stretch of the plains.

Percy H. Wright, Moose Range, Saskatchewan — roses; Aylesham, Ruth Quadroon, Mary L. Evans, and Master David.

George Bugnet, Gunn, Alberta — roses; Lac la Nonne, Julia Bugnet, Therese Bugnet, and Nipsya.

W. J. Boughen, Valley River, Manitoba — chokecherry; Boughen Yellow, almond, Pink Beauty Bush, phlox, Boughen.

Edward Robinson, Wawanesa, Manitoba — lilac; Lucelle.

Alex Asby, Neepawa, Manitoba — phlox; Ada Blackjack.

R. Simonet, Edmonton, Alberta — roses; 3 superior hybrids under numbers. P. O. Felt, Mortlach, Saskatchewan — caragana; Felt.

R. M. Muckle, Clandeboye, Manitoba — almond-plum, Muckle plum.

Wm. Oakes, Miami, Manitoba — rosybloom crabapples; Oakes and Alice.

University of Saskatchewan, Dr. C. F. Patterson, Saskatoon, Saskatchewan — rose; Maiden Blush, honeysuckle, Carmina Glory, Lilies; Apricot Glow, Jasper, Pink Charm, Rose Dawn, Rose cup, White Gold and White Princess.

Provincial Horticultural Station, Brooks, Alberta — shepherdia, Golden Buffaloberry, flowering crabapple; Jubilee, Strathmore, Alfred Poplar, Grifin, pincherry, Jumping Point; clove currants, Albol Black and Albol Yellow, mockorange, Waterton.

Forest Nursery Station, Indian Head, Saskatchewan — rose; Ross Climbing, Willow, Jubilee; spirea, Density; potentilla, Coronation Triumph.

Forest Nursery Station, Sutherland, Saskatchewan — caragana, Sutherland; larch, Sutherland; rosybloom crabapple, Sutherland; poplar, Wheeler.

Experimental Farm, Melfort, Saskatchewan — rose, Cumberland.

Experimental Farm, Beaverlodge, Alberta — crabapples, Snowcap and Artic Dawn; elm, Beaverlodge.

Experimental Farm, Morden, Manitoba, in the period 1929-1955 introduced 75 varieties of garden plants. Among the ornamentals well received are lythrums, Morden Pink, Morden, Gleam, Morden Rose; lilacs, Coral, Royalty, Redwine; Colorado spruce, Morden; rosybloom crabapples, Almey, Sundog; roses, Prairie Youth, Prairie Wren; Hawthorn, Toba; pembina, Manito; mockorange, Silvia; caragana, Tidy; almonds, Prairie, Morden; Asters, Sunup, Morden Crimson, Morden Purple; Chrysanthemums, Morden Gold, Morden Skyline.

These are some items of evidence that horticulture is striding forward. My own picture of these one-time buffalo pastures, as anticipated to be a generation hence is: the whole of the agricultural prairies ribbed with single or multiple hedge rows of sheltering trees and shrubs which will bring comfort to the soil, beauty to the landscape, and congenial homes to song birds and other creatures of the wild; home grounds made distinctive and beautiful with diverse hybrid varieties of trees, shrubs, vines, and flowers yet to be born; yes, including climbing roses and other flowerful vines, and flowers yet to be born; yes, including climbing roses and other flowerful vines; home yards to be more intriguing with superior fruits and more nutritious zesty strains of vegetables and herbs; and hundreds of little lakes scooped out across the country to imprison melting snows and thus bring the magic of water surface to the general scene.

"To the improvement of plants, there is no end." Those plantmen who are privileged to embrace the opportunity to invest their lives in the alluring task cannot fairly envy anyone else in the whole wide world.

FLOWER SHOW REPORT

by

JUANITA JORGENSEN
Chairman, Dell Rapids



Jorgensen

Of the questionnaires mailed for flower show information, 38 were returned. There was no gain among club-sponsored shows reported, but a large gain in total number of shows held in the state by all

groups, about 65. Twenty-one shows were judged by someone, and nine were Standard Shows, each of which could have made an application for a Purple Ribbon award from National Council.

There were five applications for the Purple Ribbon, and all of them were GOOD. If your club did not receive the award, please do not worry about what was WRONG with it, for chances are there was nothing wrong, it was just that the next one had more or better, of the same. Awards are made according to the evaluation by the judges, and on a comparative basis, so just resolve to make your next show that much better. EVERY flower show chairman, or garden club should have a copy of National Council Handbook of Flower Shows, and should study it before and after the show, and in between times. The book contains all the information needed to set up a standard show, and it also gives suggested point scoring which the judges may use in making their evaluation of the show.

More and more show chairmen are asking for help on their schedules, and I am more than thrilled with the clever ideas which have come up along that line. Your new state Flower Show Chairman, Mrs. Francis Nelson, Hurley, will be happy to help you with your problems. One state has a schedule contest every year, which might be fun after we have enough schedules to make it worth while.

Flower Show winners for 1956 shows were National: Watertown Garden Club and Tri-State Garden Club of Valley Springs; State: Brookings Garden Club and Fair

City Garden Club of Huron.

There is still time to compile your applications and send to Mrs. Nelson, for your 1957 shows.

Your application must contain the following items enclosed within firm covers: 1. Application blank filled in (request from state President); 2. ONE newspaper clipping cut to show name and date of paper; 3. ONE photo—of the over-all show is best; 4. ONE printed schedule; 5. JUDGES POINT SCORE SHEET.

CONSTITUTION OF THE HORTICULTURAL SOCIETY REVIEWED

This Constitution of the South Dakota State Horticultural Society was adopted at the forty-first annual meeting. This meeting was held at the Codington county courthouse in Watertown, S. Dak., January 8-9, 1930.

ARTICLE I—Name.

This society shall be known as the South Dakota State Horticultural Society.

ARTICLE II—Its Object.

The Object of this society shall be the advancement of the art and science of horticulture throughout the state.

ARTICLE III—Membership.

Any person may become an annual member by paying to the Secretary an annual fee of one dollar, or a life member by the payment of ten dollars provided that the life fee may be paid in two annual payments of five dollars each. The second payment to be made not later than five years after the date of the first payment.

The members of any local horticultural society, flower society or garden club, may become annual members of this society, provided such local society shall send to the annual meeting of this society a duly authorized delegate and shall transmit to the Secretary a properly certified list of its members, an annual report of its proceedings together with the papers read at its meetings, and such fees, and under such rules as may be fixed by the executive board. All annual memberships shall expire at the close of the first day of the next annual meeting. Honorary members for the time stated, or for life may be elected at any annual meeting provided that the name proposed for this purpose shall be first referred to the executive board. Every member

shall be entitled to one copy of the magazine or other publication, as often as published.

Annual and life members are entitled to vote at any election as soon as payment of the required fee has been made to the Secretary.

ARTICLE IV—Officers.

Its officers shall consist of a president, a vice-president, a secretary, a treasurer, a librarian and an executive board of five.

All officers, except the secretary, shall be elected separately and by ballot cast personally by the members present at the annual meeting. The election of officers shall take place as follows:

The presiding officer shall appoint three election judges to supervise the balloting, and they shall record the names of those voting and have custody of the ballot box. Nominations shall be made from the floor at eleven o'clock of the first day.

The secretary shall prepare suitable ballots containing the names of all nominees. The polls shall be open from twelve noon to two o'clock of each day.

All terms of office shall begin immediately upon election, and no person shall be eligible to hold office who has not been a member of the society for the two years immediately preceding. The president, vice-president, secretary, treasurer and librarian shall hold their offices for one year or until the next annual meeting.

An executive board to consist of five members shall be elected at the first election after the adoption of this constitution; the first member elected shall hold office for a term of five years, the next member shall hold office for four years, the next member for three years, the next for two years and the last member elected for one year, and at each annual election thereafter one member of this board shall be elected to serve for a term of five years. The president, vice-president, secretary, treasurer and librarian shall be ex-officio members of the executive board.

The secretary shall be elected by the executive board at its first session, which shall be held within thirty days after the general election and hold office for one year.

ARTICLE V—The President.

The president shall call and preside at all meetings of the society and under the direction of the executive

board have a general superintendence of its affairs.

ARTICLE VI—The Vice-President.

The vice-president shall assume the office of president whenever the office is vacant and shall perform such duties as the president may fail or refuse to perform.

ARTICLE VII—The Secretary.

The secretary shall keep the roll of the society membership, edit its annual report and its magazine, receive membership fees, transmitting same to the treasurer, prepare the program for the annual meeting, with the aid of the executive board, and perform such other duties as may properly pertain to the office, receiving such compensation therefor as may be agreed on by the executive board.

ARTICLE VIII—The Treasurer.

The treasurer shall receive and care for the funds of the society, paying out the same on requisitions signed by the secretary and the president or vice-president.

ARTICLE IX—The Librarian.

The librarian shall receive and have control of all books paid for by the society's funds and shall loan same to members on such terms as may be decided upon by the executive board.

ARTICLE X—

This constitution shall be in force as soon as adopted and may be amended at any annual meeting by a two-thirds vote of all qualified electors present and voting.

HORTICULTURAL SOCIETY ELECTS NEW OFFICERS AT ANNUAL MEETING

The South Dakota Horticultural Society elected the following officers for the new year at the annual meeting held in Pierre June 20-22, 1957:

President, S. A. McCrory, Brookings; Vice President, Harry Woodward, Pierre; Treasurer, Henry Dybvig, Dell Rapids; Librarian, Mrs. Henry Dybvig, Dell Rapids; Executive Board, John Atkinson, Rapid City (5 year term).

In other action by the Society W. A. Simmons of Sioux Falls was named Secretary emeritus and Dean Martin of Brookings was appointed Secretary. The new officers serve until the next annual meeting which will be held in Madison, South Dakota.

DAKOTA HORTICULTURE

YOUR NEW FEDERATION OFFICERS

President, Mrs. Vern Tompkins, Highmore; 1st Vice President, Mrs. Francis Bingen, Andover; 2nd Vice President, Miss Alice Platt, Langford; Corresponding Secretary, Mrs. R. K. Morrell, 103 So. Poplar, Apt. 5, Pierre; Recording Secretary, Mrs. Leon T. Jeffries, 106 St. Joe Street, Rapid City; Treasurer, Miss Laura Sexauer, 1326 Fourth Street, Brookings.

These are the folks who will control the destiny of the South Dakota Federation of Garden Clubs for the next two years and to whom you will want to write real often. Do clip and save.

SOUTH DAKOTA IN THE NATIONAL NEWS

Never forget it, South Dakota Federation of Garden Clubs is on the map! Mrs. Earl Kindred, immediate Past President, was called upon to accept the plaudits of the nation four times, for us, at the National Council of State Garden Clubs meeting in Miami this summer. Four awards of national status were presented to us because we dared to present our projects for comparison with those of other states. It is amazing what a big part we can play in National Council affairs if we only recognize the fact, and participate by making applications for the recognitions offered. We too often feel that our work is not important enough. With two-thirds of the states competing, these honors come high. Here is the record:

Purple Ribbons for flower show excellence (two) — Watertown Garden Club and the little Tri-State Garden Club of Valley Springs.

Horticulture Scholarship Award, \$300.00, to David Kreuger, Sioux Falls.

Year book—Fair City Garden Club of Huron.

The scholarship is the second such award given to South Dakota, for Beth Atkinson, daughter of Past President and Mrs. J. M. Atkinson of Rapid City, was given the award several years ago to further her study in horticulture. There were eleven applicants for the scholarship this year, and some of these had made previous

application and are usually given preference.

Most amazing of all was the first place award to Fair City Garden Club for the best year book in the nation. This is always one of the most popular contests and competition was no doubt keen in this class. Congratulations to all the winners. Let us become more award-minded another year and apply for more recognition. Your new awards chairman is Mrs. Eugene Whitmore, 224 7th St., Brookings

GLAD DAYS AT HURLEY

by

MRS. FRANCIS NELSON

The Green Thumb Garden club at Hurley has worked through the years to develop the interest of the community in growing and showing better flowers. The number of entries in this year's show indicated a certain measure of success: Two hundred sixty-four exhibits were entered by 75 exhibitors. The junior exhibits were of excellent quality. Seventeen juniors participated with 43 entries. The adults will have to hustle or the juniors participated with 43 entries. The adults will have to hustle or the juniors will have the best arrangements.

The club carried out the theme "Glad Days" in setting up the show featuring gladiolus. Hail and heat of the previous weeks had seriously affected the quality as well as the quantity. Even so, there were 53 exhibition gladiolus entered. Mrs. Daisy Christensen received the tri-color for a superb scarlet that scored well up in the nineties.

The club gave ribbons for sweepstakes, tri-color for the best gladiolus in show, and awards of Merit to those exhibiting in the invitational niches. A container was awarded the junior making the most entries.

Mrs. R. G. Ferris, Mrs. G. M. Jorgenson and Mrs. Clifford Scott judged the artistic division and the junior section and Mrs. D. S. Baughman, Mrs. Menholt Christensen and Mrs. Walter Mortensen judged the Horticultural division of the show.

A fine display by the local Soil Conservation Unit and a display of Vacation Loot and how to use it in various ways provided added enjoyment for the large crowd attending.

MY EXPERIENCE IN HORTICULTURE

by

R. L. WODARZ



Wodarz

I noticed in the June number of the Dakota Farmer that in Morton County, N. D., 32 families availed themselves of the opportunity, with the advice of the Soil Conservation committee, to plant one half

dozen apple trees. They participated in a tree planting effort. A sort of home orchard project.

We in Richland county have done likewise. We had on the list 79 bundles of 5 trees each. Through experience we find certain sorts doing very well in this region. The varieties were mostly Haralson, Melba, Duchess, Kendall, Chestnut, Whitney, Charlamoff, Rodney, and a few of Dr. Hansen's creations like Caramel, Wakpala, etc. In this county we have a variety of soils from heavy clay to light sandy soil. The Bearden soils lack phosphates. The Barnes soils are at their best with a copious rainfall and are better supplied with phosphates. So in time we will find out the reaction the different soils have on those different fruit varieties.

During the planting season the nurseryman is always asked a few questions. The most frequent one is: How soon will this tree bear fruit? All one could say is it depends on the variety, the soil, the weather and the operator. One would not want a tree to bear until it gets to a reasonable size. However, if one wants to be in a hurry, there is a simple way to make it bear while still rather small. I have heard and maybe you have too, that in desperation some folks would drive nails into the trunk of the tree and claim that that made the tree bear. There may be something to that, but I would not advise that any mutilation of the trunk or branches will cause the tree to form fruit buds. What I would do, should I be anxious to find out what kind of apple the tree bears, I would not mutilate

the tree, but would select one of the branches and cut a notch or two, or even better, I would remove a narrow strip of bark spirally. The idea here is that the food produced by the leaves moving down the inner barks is slowed down by this operation and more of this is banked up above the cut, and so this excess of plant food will cause this branch to form fruit buds. This work would have to be done early in the season, say about the first part of June. I have two trees 5 feet high with some apples on. Needless to say, some bark has been removed the previous year by rodents.

Dissatisfaction is shown by some people if given small trees. A large tree naturally has a greater appeal. But let us do a little reasoning. Suppose I have a one year old well grown Haralson four feet high, that has been grafted on a whole root of a Siberian crab. Carefully digging this out of the ground I get all of the root. This compact root has a great reserve of plant food. By digging up a large tree, only part of the roots will be saved, so there is less plant food to supply a larger tree; hence, some trimming of the top must be done. When planting any fruit trees we have in mind the five or six years of growth before the tree starts to fruit. In that time we find that the small year old whip has caught up and then some.

A person is usually tempted to plant fruit trees in a much sheltered place. So much so that the trees will not do as well because of feeder roots of the big shelter trees. Then we wonder why they grow so slowly. In the open field my nursery trees would get to twice the size than those in the sheltered place. Those roots of older trees take out much moisture, even at quite a distance at the edge of the feeder roots. For one or at best very few specimen there is a remedy. It would be to dig out two feet in depth of soil and curb this with cement or something else that may be handy. Those two feet of curbing will stop the feeder roots. With careful watering this can be made a successful venture.

Time and again there is the advice given by some to mulch the tree to delay its blooming. We find out that this does not slow down the growth of the tree. The air above controls this. Maybe some day we will have

a spray that will slow down the opening of the fruit buds.

Writing those few lines made me think about the missionary in India: After months of religious instruction the prospective convert was ready. However, during a friendly talk the missionary told this prince in India, "Down in our country the rivers freeze so hard that the elephants can walk on them." I have believed everything you taught me, but now I don't believe you anything," replied the prince.

DISTRICT V INVITES THE GARDEN CLUBS

Invitations will soon be going out to clubs in Southeastern South Dakota for a one-day district convention to be held in Dell Rapids on Friday, October 4, beginning at 10:30 A.M. Remember the fun at Hurley and Centerville? We cannot hope to surpass the record of those girls, but we do hope to make you glad you came. Our President, Mrs. Lester Thoreson says, "Do come, whether your club receives a formal invitation or not. We welcome everyone outside of our district too, but please let us know, so we will order food enough for our Litterbug Luncheon."

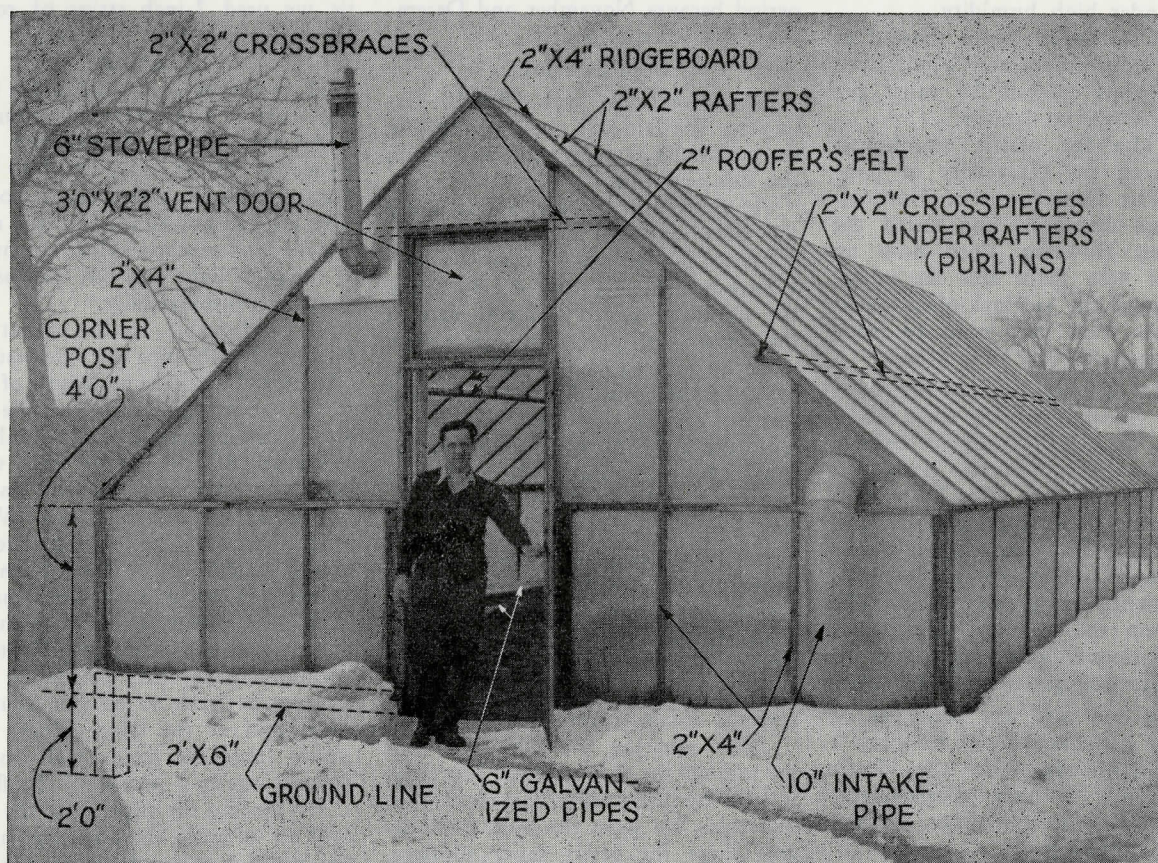
ZOYSIA AND MONDO GROUND COVERS

Neither Mondo nor any of the Zoysias are presently recommended for lawn use or ground covers in South Dakota.

Some Zoysia strains are sufficiently hardy to survive our winters but being a warm climate grass it does not start growth and become green until late spring or the arrival of continuous hot weather. Growth is retarded or stops at the onset of cooler weather in fall and the grass becomes tan or discolored. In addition to a very short period of desirable green color, the short growing season does not afford sufficient time for much coverage in one season and weed competition becomes a serious problem.

Mondo is a common name for a plant of the Lily family. It is not hardy, it would have only limited value as a substitute for turf grass.

DAKOTA HORTICULTURE



Dr. Jesse Rawson Shown with Plastic House at S. D. State College Campus.

PLASTIC GREENHOUSES

They Proved Themselves in
Our Climate Last Winter—
Inexpensive, Easy-to-build

by
JESSE M. RAWSON

The last census shows that we use and enjoy only a furth as many flowers and plants as the United States as a whole.

Some people blame this on our weather. Others say we don't have enough interest or that the idea is still new in many areas of our state. But the main reason is simply that good flowers and plants aren't available.

Our widely scattered population has made it unprofitable to start greenhouses in all but the larger cities. The large investment needed to build a greenhouse is too much for many communities to support.

Now cost no longer needs to be a barrier to starting in the greenhouse or nursery business. We've been testing a plastic greenhouse for the last year and it grows excellent plants. You can build a plastic greenhouse for about

a tenth of the cost of the glass type.

The main fault is that the plastic deteriorates during the summer. You have to replace it every year. However, the cost of the plastic is low and it is cheaper to replace the plastic annually than the glass normally broken each year. Also, except for an occasional hail storm, glass breakage is worst in the winter when replacement is difficult. You replace the plastic in the fall when the weather is still good.

For small growers or growers in small communities the value of a plastic greenhouse is apparent. However, established growers can also make good use of the new building. One or more plastic greenhouses could be built to handle the spring plant business. In addition to the low cost the plastic greenhouse also gives great flexibility. For instance, in the spring, hot beds can be attached to the house and, by changing the pipes around, they can be heated with the same burner as the house. The plastic can be replaced in the summer with aster cloth and you can grow such flowers as asters and dahlias which benefit from partial

shade.

The flexibility isn't restricted to the larger grower, though You can use the burner to heat brooder houses, farm workshops, farrowing pens, and other buildings on your farm.

The first crop grown under the plastic was chrysanthemums. We used 400 potted plants timed to bloom in late November and early December. The clay pots were set on the ground. These plants were as good as plants grown under glass.

We are now growing calceolarias, petunias, primroses, schizanthus, and garden chrysanthemums in the house. All are growing satisfactorily. While plastic does not transmit light as well as glass, the plants have not "stretched" or shown signs of lack of light. One advantage is that light is diffused so there are no shadows in the house.

Humidity has been high all winter in the house. A film of moisture has always ben present on the inside layer of plastic. This has cut watering in half. To date, we've had no trouble with mildew or other diseases which

thrive under high humidity.

The October 29 storm showed us that the house can stand wind. Even though wind reached 55 miles per hour, there was no damage.

The idea for plastic greenhouses comes from the University of Kentucky. The Department of Horticulture there developed and tested the first ones. However, until now no tests had been made this far north. We adapted the original plans to fit our needs. You may want to make other changes to suit your needs.

A local grower has recently built a plastic greenhouse using these modifications. He put in a poured concrete foundation instead of the posts and 2 x 6 inch sill plate. The heater was put outside in a separate box, thus taking up no floor space in the building. He built benches around the walls in preference to ground beds. The stack from the vacuum blower was placed horizontally through the wall, thus exhausting gasses more directly.

If you run into any problems or have any questions about building a plastic greenhouse, write the Horticulture and Forestry Department, South Dakota State College, College Station, Brookings.

Costs

A major advantage of the plastic greenhouse is its low cost. While costs will vary somewhat in different areas, here's about what a plastic greenhouse 18 x 40 feet will cost.

Heater, blower, and thermostat	\$225.00
Pipe, elbows, etc. (6" galvanized)	85.00
Installation of gas tank	25.00
Tank rent (1 year)	24.00
Tubing, fittings, etc. from tank to burner	12.00
Lumber No. 1 fir	95.00
Lath	5.00
Polyethylene plastic	45.00
Brackets, turnbuckles, and misc.	27.00
Nails and tacker staples	5.00
	<hr/>
	\$548.00

For about \$150 more you can double the size of the house, as the first five items would be the same for an 80-foot house.

Propane (L-P) gas costs about 13½ cents a gallon. Cost of heating for the 10-week period beginning October 24 at the above rate was \$1.06 per day. We consider this a good test

period because November and December 1955 were extremely cold.

Construction

Our greenhouse was 18 x 40 feet in size. We laid out the site and dug the post holes at 4-foot intervals along the sides and ends.

At the corners, every 8 feet along the sides, and on both sides of the doors we put up 4 x 4 posts. We used a 2 x 4 post between the 4 x 4's along the sides and nailed a 2 x 4 plate at the top of each post. The plates were made by joining two 2 x 4's near the center of the house. A 2 x 6 baseboard was put around the outside at ground level and a 1 x 6 was put on the inside. The sides and ends were prefabricated and raised into position as units.

All wood touching the ground was treated with a wood preservative of copper naphthenate or chromated zinc chloride. One should not use pentachlorophenol or other phenolic compounds as their fumes will kill or severely injure plants.

After squaring the sides and ends we put up the 2 x 4 ridge. The ridge is held by 2 x 2 sash bars at 2 foot intervals. We gave the roof a 40-degree slope for better snow slippage. Two longitudinal purlins were put under the sash bars on each side of the roof. To give the house more strength and hold the sides together, we placed 2 x 2 cross braces across the house above the upper longitudinal purlin. For additional bracing we stretched No. 9 wire diagonally from the ridge to the plate on each side of the roof. It was held in place with large screw eyes and tightened with turnbuckles. The doors and ventilators were made of inch material.

Before putting on the polyethylene plastic we removed slivers and rough spots on the wood to reduce the chance of tearing the plastic. The outside layer was 3 mil (0.003 inch thick) polyethylene 50 inches wide. We put it on horizontally across the sash bars and lapped about 3 inches. The plastic was held in place with staples and nailed lath. We used 6 penny, 2 headed nails so we could remove them easily.

For the inner layer we used 0.0015 inch thick polyethylene. It was tacked on the inside of the sash bars and uprights, making a dead air space between the two layers of plastic. Instead of laths to secure the inner plastic

we used 2-inch strips of roofing felt and tacked it to the wood.

Heating

A new type L-P bottled gas burning heater was installed after the house was covered. It has two parts, a vacuum blower and a 160,000 BTU burner with a thermostatic control. The gas can not escape into the room, for the blower starts before the burner. If the pilot light goes off, the gas flow shuts off automatically.

It is desirable to use about 225 feet of 6-inch pipe for greatest heat efficiency. In addition to length of pipe, it is recommended to run the pipe around the perimeter of the greenhouse. With an 80-foot house you would place the burner at one end and the blower at the opposite end. With a 40-foot house, the pipe has to run double to get in 225 feet. Then both burner and blower are at the same end.

All joints were sealed with furnace cement and asbestos paper. With the vacuum-type system the pipes don't have to be level, so we put them underground at the door. They are 8 inches from the inside wall and the bottom one is 4 inches off the floor.

By placing the pipes near the floor, cold air entering the building through the walls is warmed before it reaches the plants. As the heat slows down at the elbows, more heat is given off and the cold corners are warmed. By simply adding elbows and pipe, cold spots which may develop can be eliminated.

The temperature range depends on the thermostat. At first there was only a 3-degree spread. However, this has increased considerably as the thermostat is becoming less efficient. We think this is because the thermostat isn't well adapted to the moist air in greenhouses.

To provide the air need for combustion, we ran a 10-inch intake pipe through the wall near the burner. It is recommended that you provide 1 square inch of fresh air intake for each 1,000 BTU of heater capacity.

The advantages of this house as we see it now are low original cost, reasonable heating and maintenance costs, great flexibility, ability to withstand wind, snow, and hail, and the need for less frequent watering. (Project 286. Leader: Jesse M. Rawson, Horticulture Dept.)

Reprint from *South Dakota Farm and Home Research*, Spring 1956, Vol. VII, No. 3, pp. 86-90, Horticulture-Forestry Department, Agricultural Experiment Station, South Dakota State College, Brookings.

AGASSIZ GARDEN CLUB NEWS REPORT

by

MRS. JOHN MYSDAL

The Agassiz Garden Club of Park River, North Dakota, in its third year, is carrying on a varied program of activities under the leadership of the club president, Mrs. H. D. Long. Other officers for the year 1957 are Mrs. Clarence Lein, Park River, first vice president, Mrs. Jeter Olson, Grafton, second vice president, Mrs. Carl Larson, Park River, secretary, and Mrs. Gunnar Oppeboen, Park River, treasurer. The twenty-five members meet monthly in the homes March through November.

The promotion of the development of the Homme Dam near Park River as a recreation and beauty spot has been a project of the club for the past two years. Through the efforts of the committee, including Mrs. M. C. Flaten, Edinburg, Mrs. Charles Erickson, Lankin, and Mrs. P. J. Donnelly, Grafton, interest has grown in the project. A government appropriation of \$8,000 is being spent at the Homme Dam this summer for roads, wells and sanitary facilities. Club members hope to plant a memorial garden at the dam.

A plant sale was held in May. Plants and roots were sold, as well as afternoon coffee. The event proved both popular and profitable. The proceeds which amounted to over \$90.00 were earmarked for the memorial garden project.

June 21st was the date of the Third Annual Peony and Flower Show sponsored by the club. More than 300 entries were listed in the eighteen divisions.

Mrs. Oscar Walstad of Hoople carried off sweepstakes honors with Mrs. Jake Veum and Mrs. John Roholt, both of Hoople carried off sweepstakes honors with Mrs. Jake Veum and Mrs. John Roholt, both of Hoople placing second and third respectively in sweepstakes awards.

A new venture which club members are contributing to is a weekly garden column published in two local newspapers. This column is edited by Mrs. M. C. Flaten and Mrs. John Myrdal, Edinburg.

The families of the garden club members were guests at a picnic supper at the country club in Park River in July. The pleasant evening was rounded out by the showing of three films on gardening which were obtained from the Ferry-Morse Seed Company.

A trip to the International Peace Garden is planned for late August. The group will travel in a chartered bus. Of special interest is the landscaping and planting being done.

DISTRICT IV BOOSTS PERMANENT HOME

"White elephants" must be almost as sacred to eastern South Dakota garden club members as they are in India and Siam, for these ladies laid down \$60.00 for them in a couple of fun-packed hours to help the Permanent Home Fund.

The occasion was an impromptu gathering, representing eleven clubs, on August 21st, in the beautiful "outdoor living room" in Pioneer Park, Brookings. With Mrs. Leo Monteith, District IV Chairman, as auctioneer, plants, pots, plums and pints of jellies were thrown on the auction block to augment Mrs. D. S. Baughman's pet project. Mrs. Baughman, Madison, is the Permanent Home Chairman for South Dakota. Under her new plan to make ours a 100% state, each district will be responsible for making up any default by individual clubs which have not become 100%.

Officers present were Mrs. Vern Tompkins, Highmore, president; Mrs. Francis Bingen, Andover, vice president; Miss Alice Platt, Langford, vice president; and Miss Laura Sexauer, Brookings, treasurer. Nine towns were represented, with clubs contributing the articles for sale, and in turn, making purchases to augment the fund.

IT WAS A POMPOUS and exceedingly impressive church wedding. Down the aisle came a fragile and lovely society girl; a veil floated like a mist above her classic head, giving her an ethereal appearance.

As she approached the altar, the bride tripped over a flowerpot which contained a lily.

"That," she remarked daintily, "is a hell of a place for a lily!"

WESTHOPE GARDEN CLUB

by

MRS. ORLENA BALLANTYNE, Sec.

In the fall of 1926, a few citizens of Westhope proposed organizing a Garden Club. After two meetings, for lack of interest the project was discontinued. In spite of this a few interested lady gardeners were not discouraged but were determined to go on.

On the afternoon of March 22, 1927, Mrs. W. A. Meddaugh, a flower enthusiast, invited a number of friends in for tea for the purpose of discussing the possibility of a Garden Club. That evening more friends were invited and the Westhope Garden Club was organized. Mrs. W. A. Meddaugh was chosen President and Mrs. F. T. Williams, Secretary. No by-laws were drawn up and no dues were paid. The President called meetings when convenient for members to attend as the nature of the Club was both social and the beautification of surroundings of the homes. Tea was served and ten cents was contributed by each member for buying flower seeds for the children and incidentals.

In 1936, the Constitution and by-laws were drawn up and dues of \$1.00 a year were voted.

Through the efforts of the Club, by popular vote the petunia was chosen as the city flower.

In 1928, the first Flower Show was held and it has been an annual event to the present time.

Throughout the years there have been many activities and projects. The most outstanding one still sponsored being the rehabilitation and constant

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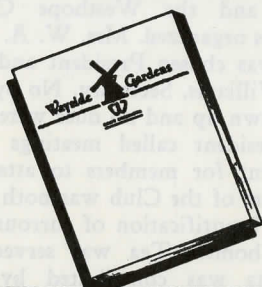


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Almost 200 pages, with hundreds of flowers illustrated in their natural colors. Thousands of gardeners rely on this book, year after year, as their source book of ideas and the finest worthwhile new plants. Complete cultural instructions for each item. To be sure you get your copy it is necessary that you enclose with your request 50¢, coin or stamps, to cover postage and handling costs.

MENTOR AVE.



MENTOR, OHIO

Wayside Gardens

upkeep of the Cemetery. This project undertaken in 1937 is a plot of 10 acres, $\frac{3}{4}$ owned by the City and $\frac{1}{4}$ belonging to the Catholic Church.

A special Secretary-Treasurer, Mrs. A. O. Benthagen, was chosen to take care of the Cemetery Funds which are obtained by assessing the lot owners a small annual fee, the City paying \$11.00 a year. Contributions and Memorials are also received. The latter are used for purchases of Annual, Perennials, Shrubs and Evergreens. There is now a full time caretaker. Through the generosity of the community and the efforts of the Garden Club the Cemetery is now a place of beauty and complimented by all who see it.

The staff of officers consist of President, Vice-President, Secretary, and Treasurer of Garden Club funds and special Secretary-Treasurer of the Cemetery Fund.

Regular meetings are held once a month with printed programs and special topics for each meeting. A membership of 25 is retained. Two hostesses serving refreshments at each meeting.

1957-58 Horticultural Society Dues Payable

In order to save the expense of mailing out dues notices, this announcement is your reminder.

Dues may be sent to the Secretary, Dean M. Martin. The address is: Horticulture Department, South Dakota State College, College Station, South Dakota.

"I would like to purchase some apples for my husband," said the safety director's wife to the grocer.

"What kind, madam?"

"I don't suppose you happen to know what sort Eve used?" she asked falteringly.

Santa Claus is the only man who can stay out all night with a bag and not be criticized.

He: "I'm keeping a record of all the good times we've had together."

She: "Ah! keeping a diary?"

He: "No, stubs in a check book!"

Petroleum is produced in 26 states of the United States.

Parking space: A vacant space on the other side of the street facing the wrong way.

Traffic Cop: "Let's see your license."

Truck Driver: "Sure. It's right here in my wallet."

Cop: "Okay. If you have it, I don't need it. If you didn't have it, I'd have to see it."

Daffynition: Hick town — One which, if you see a girl out with a man old enough to be her father—he is.

Sometimes birds of a feather don't always flock together. Take the case of an old man who marries a young chicken and has to watch her like a hawk.

DAKOTA HORTICULTURE