SCHUMACHER LIBRARY DEBRICH GOTANICAL BARDENS -

# THE WISCONSIN DAYLILY SOCIETY

Jean Bawden, President 2806 Warner St, Madison, WI 53713

A NOT-FOR-PROFIT ORGANIZATION PROMOTING THE ENJOYMENT, AWARENESS AND PROPAGATION OF THE GENUS HEMER April 1996--Vol -3

It's time again for a newsletter to keep you up-to-date on all the little goodies that have happened and are about to happen in daylily land. Since the last newsletter, we have been involved with the Garden Expo, gathered about 12 new

Since the last newsletter, we have been involved with the Garden Expo, gathered about 12 new members from our booth at the Expo, listened to a wonderful program by Stan Duke on winter problems in daylilies, looked at great slides of 1990's introductions, looked at slides of some 80's introductions, and looked at slides of doubles. So if you haven't joined us yet, you've missed a lot of great fun. We've had a full house at the last two meetings, but if you come, we will find you a chair. It's time for you to send in your registration for the Region 2 this summer ..... we don't want you to have to pay extra by waiting till the last second. And you really don't want to miss it.... the socializing, the gardens, the speaker, the free daylilies (some of which are the big \$ daylilies), and the food. This is the easiest it

We want to congratulate Harold Steen on winning the February drawing for daylilies, he won BUTTERPAT. Lloyd Ravet won the cultivar LILLIAN FRY at the March meeting.

will ever get for you to attend... all it will cost

you is the \$75 fee ....if you register in time.

Wally Porterfield and Jean Bawden gave a presentation on daylilies to the Maple Bluff Garden Club on March 7 which seemed to be very well-received.

As I mentioned before, we will be trying to conserve our resources by updating our mailing list with only the members from 1996. Pay those dues if you want to keep hearing all the latest news.

Please join us on April 4th to enjoy some more slides. We will be seeing more 90's intros, another show that is called "Past, Present, and Future" which also has a good number of 90's cultivars, and hopefully, slides of David Kirchhoff's latest and greatest. The April meeting is a Thursday meeting, which will start at 7 pm. There will not be a postcard for this meeting, so pllllllease put it on your calendar.

608-274

**Updated Calendar of Events** 

August 9,10-WDS daylily sale

April 4-Slides of 90's cultivars
David Kirchhoff slides (hopefully)
May 2-Slides of tetraploids from the
60's thru the early 90's
July -early-How to hybridize in the garden
July 26,27,28 - Region 2 meeting-Madison

August -late -How to divide daylilies in th garden/splitting a fan in two for increase.

Oct. 20-\*\*\*Sarah Sikes\*\*\* at the annual meeting at Olbrich.

# Incorporation/Tax Exempt Status

In preparation for the Region 2 Meeting, the Board of Directors has been pursuing incorporation and tax-exempt status. Gene Dewey has been instrumental in getting the society incorporated. As of right now, we are incorporated, and we are in the process of gaining tax-exempt status with the pro bono help of attorney Scott Herrick.

We will keep you up-to-date on our tax-exempt status (which will save us some money).

If there are any of you that would be interested in having your gardens open for people to tour before or after the Region 2 meeting, please give Hiram Pearcy a call or drop him a note.

Usually, people who would be interested in having people tour their gardens open them on Sunday after the Regional meeting ends.

Hiram's number is 845-9249, and his address is 407 Lincoln St., Verona, Wi 53593

# Winter Problems of Daylilies Presentation by Stan Duke

Winter problems and their solutions were the topics addressed by Stan Duke, Chairman of the Agronomy Dept at the University of Wisconsin-Madison at the March meeting of the WDS. Professor Duke began his talk by saying that many of the things that cause problems for daylilies also cause many problems for other herbaceous perennials. For those of you that missed his wonderfully informative lecture, some of the main points are contained in the following article.

When daylilies have been adversely affected by harsh winters, the following damage symptoms may be noted.

 A. Mushy slimy tissue, indicating plants are dead or injured

B. Greatly delayed spring growth

C. No flowering

D. Production of more fans than expected

E. Adventitious shoots due to the death of apical meristems

Plants may be damaged in winter by several phenomena:

Freezing of the tissue can take place in one of two ways. Intercellular ice formation occurs when ice forms between the cells; this form of freezing is not always fatal to the plant. If intracellular ice formation occurs (ice forming within the cell itself), death of the plant always occurs. A typical cell has a cell wall which surrounds the cytoplasm and vacuole of the cell On the inside of the cell wall is a membrane which is called the plasmalema which can contract away from the cell wall or expand to the cell wall. Inside of that is the cytoplasm which houses the mechanical structures for the cell such as chloroplasts. Inside of the cytoplasm is the vacuole which contains fructans. Waste products of the cell are pumped into the vacuole. Colchicine and other toxins are stored in vacuoles, particularly in the roots.

If ice is formed between the cells, water is pulled out of the vacuole to continue to build ice crystals, and dehydration of the cell begins to occur. Death can occur if the pressure of the ice crushes the cells or if dehydration continues for a long period of time. If the plant does not die, and the ice melts, reabsorption of the water will occur.

Intracellular freezing happens when rapid freezing occurs, and ice crystals are formed within the vacuole itself. This rapid freezing causes rupture of the membrane surrounding the vacuole, and the waste products within the vacuole are released into the rest of the cell. There is also a release of electrolytes and proteins. The amount of damage can be measured by measuring the amounts of electrolytes that have been released and comparing that to the electrolytes remaining within the vacuole.

If a layer of ice forms over plants, metabolic processes begin to break down. Ice sheeting is a complete skin over the plant which causes the plant to deplete the available oxygen during aerobic respiration. In aerobic respiration, glucose is converted to energy, water, and carbon dioxide. Without oxygen, acetaldehyde is formed from glucose. Acetaldehyde is an extremely toxic substance not only to plants, but also to humans. When it is formed, it has an odor reminiscent of apple juice. If it is put on the human skin, it breaks down the skin tissue. Acetaldehyde then breaks down into ethanol, which will sometimes attract pathogens.

Another thing which can occur is solidification of cellular membranes. Saturated fatty acids can solidify in low temperatures, and the cell membrane sustain holes which leak cellular contents. Dessication can also occur because of heaving causing roots to be exposed to the air.

(cont. on p.3)



#### Jean's Garden

The photo is part of Jean Bawden's garden, which will also be on tour this summer as part of the Region 2 tour. She writes, "I have been gardening in this yard for the past 10 years, and I'm one of those gardeners who wants one of everything. I have about 300 daylily cultivars, about 300 daylily seedlings, and about 600-700 other plants, including around 100 true lilies, 25 penstemons, 20 hosta, many asters, campanulae, tricyrtis, anemones, phlox, roses, etc. My idea in gardening is to create a place that feels like a sanctuary from the noise and bustle of the rest of the world. I love small trees and shrubs and ornamental grasses. I began collecting spider daylilies two years ago and have about 15 of them now. Last year, I started turning my hybridizing efforts to spiders, and have several seedlings in the basement under lights that I hope will bloom this year. I work at a perennial nursery (the Flower Factory), so I end up bringing home all sorts of "companion" plants. I started raising daylilies about 5 years ago, with most of the collecting taking place in the last 2 years. The daylilies that I am most excited about seeing bloom are the spider LOLA BRANHAM, and a gold-edged variety, ELIZABETH'S MAGIC.

#### Possibility of a Milwaukee Chapter

Harold Steen is in the process of attempting to organize a Milwaukee-area chapter of the Wisconsin Daylily Society. He is presenting a program on daylilies to several Milwaukee groups including the Wauwatosa Beautification Committee on March 28. He will also give a presentation at the Delafield Library on April 19th. His address is W310 N6759 Chenequa Drive, Hartland, Wis 53029, and his phone is 414-966-3669.

### Cultural practices which help plants survive

- Plant cultivars that have already been successfully grown in the north. Plants that are derived from species such as H. middendorfii will be quite hardy whereas plants that are produced from such species as H. aurantica will be much less hardy.
- 2) Plant husky stock with good root systems.
- Plant in the spring if at all possible, particularly if it is a southern plant.
- 4) Remove scapes from first year plants to give them a chance to build up new roots and root carbohydrate reserves.
- 5) Mulch
- 6) Don't remove dead leaves or debris. Plants need this mulch of some sort to protect the crown and collect snow.

(Mulch slows the rate of soil heat loss. Air between mulch products and fluffy snow are both quite good at slowing heat loss Compacted snow concucts heat much faster, and ice is a very poor mulch, because it conducts heat very quickly Snow and vegetation helps keep soil temperatures as much as 15 degrees higher than unprotected soil when measured at a 3" depth. Soil covered by ice has soil temperatures that are about as cold as unprotected soil.)

- 7) Plant in areas that drain well in the winter. There are places that drain very well in the summer which may not during the winter months, particularly if the frost has penetrated deeply into the earth. A mid-winter thaw can leave water standing on top of a frozen area.
- 8) Don't plant too close to southern exposure, such as foundations or septic tanks. Plants tend to break dormancy too early and suffer damage to the meristems.
- Fertilize well in spring. Don't use nitrogen fertilizer past Sep. 1 in Wisconsin

10) Fertilization with

K(potassium-potash) increases growth of root systems and



Warmer temperatures help with uptake of potassium. Topdressing is fine because potassium doesn't move very rapidly out of the soil. Potassium also increases sugar transport to the roots, and helps develop tissues and flowers. It increases hardiness, drought resistance, and growth rate.

- Plant in well-drained locations to prevent icesheeting
- 12) Plant in locations that are not exposed to northwest winds.
- Plant in locations that have low traffic to reduce the chance of snow compaction

#### Cold hardening

Cold hardening is controlled by one or more genes. Good cold hardening causes the following:

- a. Dormancy
- b. Increases in stored complex carbohydrates
- c. Increase in sugars
- d. Increase in soluble protein content
- e Decrease in free water and an increase in bound water. (bound water would be like the water in jello)
- f Increase in unsaturated fatty acids, and a decrease in saturated fatty acids
- g. Increase in antioxidents
- h. Increase in proline

Fructans is a polymer of sucrose and fructose which is important in flower opening. Species that accumulate fructans include: dahlias, Jerusalem artichoke, cool-season grasses. Fructans hydrolysis causes rapid opening of the flower.

#### Art In Bloom

I've been asked to mention the Art in Bloom celebration of spring at the Madison Art Center on May 17,18,19 Various artists, gardeners, and floral designers will create floral displays inspired by an artwork they have chosen to interpret. You may still enter your own interpretation, sign up for a preview luncheon at \$25, or just go to the exhibit for \$6.

This is a money-raiser for the Madison Art Center.

If interested, call 257-0158. Barbara Banks

#### Large Flowers

Recently on the internet robin, a poll of favorite large flowers took place. I thought all of you might be interested in knowing some of the plants that people really liked.

The cultivars were: ANNE FAGGARD, ARCTIC SNOW, BARUCH, BEAVER CREEK GIANT, BEN ARTHUR DAVIS, BIG THEODORE, BOOKMARK, BUTTERFLY KISSES, CAROLICOLOSSAL, CARRICK WILDON, DAVEO HOLMAN, DECATUR BULLION, DUNEDIN, ELECTRIC, FIRESTORM, FRANK GLADNEY, GEORGE WOOD, GULF STREAM, HERITAGE CHINA, HILDRED WEST, HOMEWARD BOUND, HUDSON VALLEY, IRISH MELODY, JACK'S CABOOSE, JOSEPHINE MARINA, LEMON CUSTARD, LOOK HERE MARY, MAGNUM, MANCHU LANTERN, MARY MOLDOVAN, MICO, MONSTER, NEWBERRY FESTIVAL, NEWBERRY NEWS, NEWBERRY MOON, OKLAHOMA KICKING BIRD, OPEN HEARTH, PALOMINO MOON, PAUL BUNYAN, PEACOCK MAIDEN, PINK SUPER SPIDER, PRAY FOR PEACE, RASPBERRY STAR, RED FLAG, RED VOLUNTEER, SLADE BROWN, STARMAN'S JOURNEY, TIFFANY GOLD, TRANSVAAL, TUSCAWILLA TIGRESS, WINDFRILLS, and YELLOW PINWHEEL.

#### AHS Books Available

We still have a few copies of the AHS anniversary book available. It's called <u>Davlilies</u>, A <u>Fifty-Year Affair</u> and the few copies that we have left are obtainable from Gene Dewey. There are some wonderful color photos of different cultivars as well as some of the history of the American Hemerocallis Society.

1996 Officers
Jean Bawden -President
Ruth Horrall-Vice-President
Gene Dewey- Treasurer
Gene Woehler- Secretary

#### Member Forum

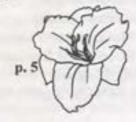
For the May meeting, if we don't have a speaker, what I'd like to try is a member's forum. What I'd like you to do is to come up with some gardening tips, successes, ideas that you would be willing to share with everyone else. Here are some ideas for things you might have ideas on or tricks that work for you. If it is something that is hard to find in stores, please note where you obtain it.

You don't have to have something for every one of the following, they are just lists of possibilities to fire up your memory.

Animal pests Slugs, thrips Fertilizer Staking Mulch Insecticides Do you cut back foliage? Sources for plants How often do you water? Name tags Hybridizing Best reference source Favorite companion plant Way to transport scapes to the show Timing /storage of seeds How do you divide your hems? Favorite daylily Methods of rooting proliferations Helpful hint about gardening.

We will do a circle discussion, and see what we can come up with as far as great new ideas in the garden. If you want to write them down, that would be great...then I could put some of them in the newsletter to share with those people who can't make the meeting.

If you haven't paid your dues, please pay them so we don't have to drop you from our membership list.



#### **Updated Membership List**

The following people have paid their membership dues as of March 23, 1996 according to our records. If you have paid your dues, and don't see your name on this list, please contact Jean

Bawden or Gene Dewey. Hiram and Jane Pearcy

Dave Rosenlund

Dave Roseniun

Jerry Wagner

Frank Greer

Jim Weber

Gene Woehler

Julie Burke

Betty French

Sally Ann Yaeger

Bill Powell

Fred and Margaret Liss

Gregory G. Meissner

Judith S. Ferreri

Shirle Burke

Ruth Ann Frost

Marian J. Laines

Marilynn Maves and Rick Ivik

Phyllis and Don Sanner

Patricia and Michael Daubs

Lee Norgren

Virginia R. Livesay

Linda Meek

Peggy Rist

Ruth Harms

Joe Harrison

Ken Tschudy

Glenna Cade

Edith Prescher

Gene Sawyer

Judy Hottman

Betty Giacomino

Lynne and Andrew Fell

Patsy Behling

Richard Berling

Ruth Siegel

Tom Woitech

Stephen Lesch

Margaret and Peter Sanville

Roberta and Thomas Reilly

Jan Jacobson

Lyle L and Ruth C. Olson



Ron Williams

Pat Diehnelt

Harold A. Steen

Judy Chipman

Lauren Lenz

Barbara Jacobi

Vicki Eckroth

Sue Corcoran

Paul and Paula Meske

Jim and Deonne Fautschy

Northern Daylily Gardens

Dorothy and Raymond

Ramsden

Julia A. Cook

Mark W. Blank

Caroline and Jerry Benser

Royal O. Johnson

Byron Annis

Reynold V. Peterson

Jessie and Robert Crane

Patty and Lu Paulson

Jean Bawden

Edward G. Kraus

Dan Thruman

Debbie Tainter

Jerry Nelson

Ruth Horrall

Robert Kowal Julie McMurray

Wally Porterfield

Nancy W. Boone

Arthur G. Blodgett

Bonnie Wilson

Doug and Martha Maxwell

Robert and Mary Lou Griesbach

Mark and Ann Marie Buehl

Enchanted Valley Gardens

Sally Seavert

Mary Jo Mielke

James and Sandra Wheat

David and Nancy Nedveck

Kathleen Lichter

Kathy Zeller

Lee De Jongh

C---- Dilla:

Greystone -Bill/Linda Lehman

Peter Shuttleworth

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# Garden Judges

If you are thinking of attending the Region 2 meeting this summer, please think about taking the judging clinic. We have very few judges in our area, which means that it is difficult to have an accredited show.

Judging is broken down into two categories...garden judging and exhibition judging. You can take the clinic without applying for judgeship, in fact, it's a very good educational tool. When you learn more about what to look for, it may help you choose more desireable cultivars for your own garden.

Garden judging is all done outside in the garden, and includes judging plant habit as well as the blooms themselves. The clinic for garden judging will take place in one of the gardens on Saturday of the Regional meeting. In order to become a garden judge, you have to have been a member of AHS for three consecutive years prior to application, and you must be familiar with many different cultivars including the latest cultivars. You must stay reasonably current in your own garden, and you need to attend National and Regional meetings during bloom season. The application for garden judge asks such things as: how many named cultivars you grow, how many plants you've added to your garden in the last 2 years, how many plants you've discarded, what qualities you look for in a daylily, which regional and national meetings you've attended in the last 5 years, and if your garden is open to other members of AHS. It also asks you to give the highest scoring daylilies in your own garden, to list plants from 25 hybridizers with which you are familiar, and list at least 25 cultivars that you have added to your garden in the last two years.

Exhibition judging takes place at shows like the one we normally have in July. (We are not holding one this year, because of the Region 2 meeting.) In exhibition judging, the judge is looking at a cut scape and judging the flower against the description of that particular plant in the registration book. In order to be an exhibition judge, you should know how a lot of different daylilies look. You must be able to work without

prejudice (which means that if you happen to be a spider-lover, you don't judge round, ruffled daylilies down just because they are round and ruffled ). You must have been a member of AHS for 2 consecutive years prior to application, you must attend 2 different clinics on judging, and you must pass tests after each of those clinics. You must know flower shapes and sizes, and you need to be familiar with the book, Judging Daylilies which is priced at about \$10 and is available from the AHS. There will be three clinics here this summer for exhibition judging. The first is a beginner's clinic, the second is the advanced clinic for those who have passed the first test, and the third is a refresher clinic for those people who are already judges. Those clinics will be given on Friday afternoon.

Don't be scared off by the process!!! You can take the clinic just to increase your own knowledge; you don't have to take the test or apply to become a judge! On the other hand, it would be great to finally be able to have an accredited show because we have enough judges locally to make it affordable.

# Favorite Daylilies

(continued from the last newsletter)
Patty and Lu Paulson write: FIRE STORM
(Krekler) is a 31" showy spider-type with huge brickred and yellow blooms(8"). It has curled sepais, is a
diploid, and is very showy and distinctive

Stan Duke states: MOHAMMED SALAMEH has large (6.5-7") red blooms that remind one of glistening congealing blood. This one is a real conversation piece as it sits atop a berm in our garden with the name of one of the World Trade Center bombers. What was Roger Mercer thinking of when he named this

cultivar?

Jerry Nelson adds another favorite:
CHERRYCHEEKS is a unique color and is a good bloomer and increaser. When interplanted with Lilium CRANBERRY STAR, it matches the lily very well. CRANBERRY STAR is a taller lily (4-5') and CC has a bit bigger flower to match the size as well.

If you have a special description of a daylily that is extraordinary in your garden, please send a description to Jean Bawden so she can write it up in the next newsletter!! p.7

#### Photo Contest at the Sale

This year, we are going to have a photo contest in conjunction with our sale. The idea is two-fold... we get to see great shots of your garden, aaaand the people who drift in to buy something may see something they just have to have! There will be two categories... individual blooms and garden shots. As you can tell, it's been a looooong winter for me, so I have to entertain myself thinking up new things to do or things to find out about!!!!! Anyway, it sounded like a fun thing to try.

If any of you would like to try your hand at judging photos or organizing the photo contest and promoting it, I would looove to hear your names. -) I usually drive myself crazy with all these ideas, because then I have to do them all too. So if one of you lovely people would help me out, I certainly would appreciate it.

The sale is the 9th and 10th of August, so don't forget to take some photos of your garden during the bloom season.

## **Evergreens In The North**

I have a suggestion for those of you who have been reluctant to buy evergreen daylilies because you've heard that they will die in our climate. I happened to be working with Jerry Benser at the preparation for the sale several years ago, and he suggested that you mulch evergreens with dirt. So for the last 3 years, I have bought anything and everything that my little heart desires ... and I have dutifully put somewhere between 6 and 10 inches of dirt over the top of my tender hems in the late fall. Then about mid to late April, I take off the covering of dirt. To date, (knock on wood) I have not lost a single evergreen. Now maybe I haven't managed to get my hands on some of the reaaaally tender stuff, but it has worked for me. (Thank you, Jerry).

If you've been shy about volunteering for a job at the Region 2, please come out of your shell!!!!!!

We still need help, and we think you'll have a great time while you're working. We always have a very social time....remember getting plants ready

for the sale and how much fun we have???

#### The Olbrich Library

Just in case you didn't know or forgot, the Olbrich Library has a number of books and pamphlets on daylilies. Some of the items that are in the library are the following:

Daylilies: The Beginner's Handbook-The American Hemerocallis Society

A Passion For Daylilies-Sydney Eddison Daylilies- A.B. Stout

Hemerocallis/Daylilies-Walter Erhardt

Daylilies, The Perfect Perennial-Lewis and

Nancy Hill

To Know-American Hemerocallis Society

Hemerocallis-The Daylily -R W. Munson, Jr.

I think that all of these can be checked out for study. If you want your own copy of these, the things from the AHS can be ordered from them. For the others, Borders Book Store or ordering from Timber Press is a good first step. The address for TP is:

133 S.W. Second Ave., Suite 450, Portland, Oregon 97204. (I will tell you that if you're into gardening, you may go broke if you get their catalogue. there are just tons of wonderful books on specific species or groups of plants. Another place to check is the Frugal Muse, which has some great deals.

#### **Contributing Businesses**

The following businesses have contributed money to help print all the information for the Region 2 tour. If you stop in at these businesses, it would

be really nice if you would take a couple moments to thank the manager or owner for their help. I'm sure they all get bombarded with requests, so it was super of them to grant our request for money. The businesses are: Jung's

Garden Center-Verona Road, Bruce's Garden Center, The Flower Factory, Enchanted Valley Gardens, Johannsen's Greenhouse, and Northern Daylily Gardens.

If any of you are artists, how would you like to design a poster for either our sale in August or for our annual meeting speaker (Sarah Sikes) in October? Please call Jean B. if you are interested. p.8 American Hemerocallis Society

# 1996 REGION 2 MEETING

and Garden Tours July 26-28, 1996-Madison Wi

Friday	, July 26, 1996	Saturday,	July 27,1996	
9am -	Registration	6:30-8am	Continental Breakfast (cash buffet)	
	Bargain Plant Table	7:30 am-	Registration	
	Open Gardens	8:00 am	Garden tours (lunch included)	
1pm	Exhibitions Judges Clinics I & II(3hrs)		(Garden Judges Clinic included	
3:30	Youth Meeting with Richard Ford	5:00 pm	Return to hotel	
	Exhibition Judges Refresher (2 hrs)	6:15 pm	Reception (cash bar)	
6:15	Reception (cash bar)	7:00 pm	Banquet	
	Dinner (inc. in registration)		Region 2 Business Mtg	
	Slide show		Guest Speaker-David	
			Kirchhoff-Daylily World	
			Plant Auction	
		Sunday, July28, 1996		

Registration

\$75 per person until June 29 postmark \$85 per person after June 29 postmark Make checks payable to the Wisconsin Daylily Society and mail to: Caroline Benser-Registrar 2407 Vine Street Lacrosse, Wi 5460 (608)782-4417

For Additional info Hiram Pearcy, Chairman 407 Lincoln Street Verona Wi 53593 (608)845-9249

6:30-8am Continental Breakfast (cash ) 7:30 am Registration 8:00 am Garden tours Return to hotel 11:30 am

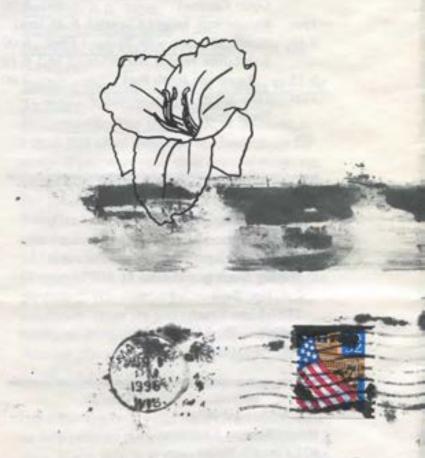
Meeting/Lodging Radisson Inn Madison

517 Grand Canyon Drive Madison, Wi 53719 For reservation contact the hotel directly All rates \$65 plus tax Radisson National Reservation System 1-800-333-3333 Radisson Madison reservations 1-800-833-0100 Please mention AHS Region 2, the Wisconsin Daylily Soc. For special rates reservations must be made by June 25, 1996

Additional accomodations: WEST TOWN ROAD STAR INN-(608)274-6900 HAMPTON INN (608)833-3511 wEST TOWN SUITES BEST WESTERN (608)833-4200

	below and include HON 2 MEETING	PRODUCTION OF THE PARTY OF THE		
Address		City		
State	Zip	Phone(	)	
Please check the Exhibition I	e appropriate session Exhibition II		an to attend: bition refresher	Garden Judges Clinic

If you notice some little stars after your name on the address label, it means that this is the last notice of meetings you will get. It is the LAST NEWSLETTER you will get. We won't see you any more......please send in that \$5 bill to renew your membership.!!!!



Jean Bawden 2806 Warner St. Madison, Wi 53713