

twig bender

Volume 10 - #1 -- January 10, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

WEEKLY CALENDAR January 13-17

MON- Entomology Department Head Candidate Seminar, G. Michael Chippendale, University of Missouri, refreshments at 3 p.m., seminar, 3:15 p.m., 490 Hodson Hall.

Plant Breeding Seminar, Breeding for physiological traits in soybeans, Todd Krone, 4-5 p.m., 306 Borlaug Hall.

Graduate Studies Committee, 2-4 p.m., 398 AlderH.

TUE- Plant Biological Sciences Colloquium, Changes in abscisic acid relative to cold hardiness development in potato, Stephen Ryu, 4-5 p.m., 335 BorH.

Retirement Party for Al Beidleman, the "Whistling Mailman", noon to 3:00, 120 Coffey Hall.

WED- Attention Faculty Members. . . DEADLINE for Senate Consultative Committee nominations.

Departmental coffee hour, 9:30 a.m., 394 AlderH. Treat by Jerry Pierson, Betsy Zimmerman.

Undergraduate Affairs Committee, 12:45, 398 AlderH.

Resource Planning Committee, 2:00 p.m., 394 AlderH.

Faculty Consultative Committee, 2:30, 398 AlderH.

Department Seminar, Ecological Principles Applied to Selecting Plant Materials, Dr. Donald White, 3:30, 415 AlderH.

THR- Women in Agriculture, January luncheon meeting, 11:45-12:45, 120 Coffey Hall

Entomology Department Head Candidate Seminar, James Cate, USDA Cooperative States Research Service, Washington, D.C., refreshments at 3 p.m., seminar, 3:15 p.m., 490 Hodson Hall.

Hort 8066, Discussions in Horticultural Research, 4:05 p.m., 493 AlderH.

FRI- Retirement Party for Delbert Hanson (Scientific Apparatus Services) after 23 years of dedicated and valuable service, 2:30 - 5:00 p.m., Cherrywood Room. RSVP 5-1380.

GRAD STUDENTS....reserve the following days for taking the prelim exam:

January 23
February 27
April 9

St. Paul Student Center has contacted Dr. Gardner concerning graduate positions on the St. Paul Student Center Board of Governors. If there are any graduate students interested in sitting on this Board, please contact Rick Harrison, 290 AlderH, for more info.

U HOLIDAY....January 20, Martin Luther King, Jr. Day.

RETIREMENT PARTY....for Russell Adams, Soil Science Department, January 31, 4:00 p.m., 375 BorH.

DIAL U...has a new phone number and goes state-wide. Effective immediately, Dial U has switched to a 900 number:

1-900-988-0500

O V E R

DIAL U (continued) People can call in from anywhere in the state for a flat fee of \$2.99. When you refer people to us, remember our winter hours are 9-2 (week days) until March 31. Then we open 9-5 (weekdays) spring and summer. Deb Brown

KERMIT OLSON MEMORIAL LECTURE....set for February 19, Dr. Calvin Sperling, Plant Exploration Officer, National Germplasm Resources Laboratory, ARS, Beltsville, MD, Search and Serendipity: Foods the Americas Gave the World, 3-5 p.m., 33 McNeal, reception 5-6, Atrium.

GROUNDHOG GALA....Arboretum, HRC and Hort. Dept. staff and families are cordially invited to a day full of fun family activities, Sunday, February 2, noon to 4 p.m., \$1.00 per person/pre-reserved plus a dish, salad or dessert to share at potluck. Make your reservations today by filling out the bottom of your green flyer or call Jane Johnson, 443-2460 x 956.

SATURN AWARD...celebrates student team contributions. Teams of three or more students from any major are eligible and can apply for the Saturn Award. Some examples include: conducting a science or research project; raising funds for the homeless; producing an original video; or, launching a recycling center. Members of the winning team will be presented with a plaque and a check for \$1,000 for their accomplishments at a Saturn-hosted ceremony in their honor on May 6 at noon, Radisson Hotel Metrodome. The winning campus team will also compete for the national award of \$5,000 to be presented at Saturn Corporation early this summer. Applications available in the Mechanical Engineering Co-op Office, 5-5326. (Come on you Hort Grad Students)

CONGRATULATIONS...goes to Cindy Herring, Dial-U clinic principal secretary, received the Minnesota Extension Service Support Staff Award for campus-based staff. Good job!

VENDOR....effective Jan 1, Fisher Scientific will be the prime vendor for all lab supplies, all capital equipment (defined at >\$500 <\$2000). Place order through University Stores by phone (4-4878), fax (4-5778), campus mail (2901 Talmage).

GRADUATE STUDIES COMMITTEE . . . meeting dates for Winter Quarter are:

January 13 (Mon) 2-4
January 21 (Tue) 2-4
February 3 (Mon) 2-4
February 17 (Mon) 2-4
February 25 (Tue) 2-4
March 16 (Mon) 2-4

Committee members mark your calendars.

LECTURE SERIES....February 15 - April 25 - The Art of Specialty Gardens - Creating your Paradise. Sponsored by MN Landscape Arboretum, MN State Horticultural Society, Cosponsored by Hennepin Tech, Mankato Tech, Wadena Tech. Times - 8:30 - 2:15

Feb 15 "Creating your European Garden", St. Paul Technical College,
Feb 29 "Creating your Natural Garden", Hennepin Technical College, Eden Prairie.
Mar 14 "Improving your Paradise", St. Paul Tech College.
Mar 28 "Creating your New American Garden", Hennepin Tech, EP
Apr 4 "Improving your Paradise", Mankato Tech College.
Apr 11 "Improving your Paradise, Wadena Tech College.
Apr 25 "Improving your Paradise, St. Scholastica College, Duluth.

Registration forms available by calling 4-7752.

FACULTY MEETINGS FOR WINTER QUARTER...will be 2nd Tuesdays of month with first one beginning JANUARY 28!!!! (Makes sense---No--Good! Check with Laura)

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Volume 10 - #2 -- January 17, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

WEEKLY CALENDAR

January 20-24

MON- HOLIDAY

TUE- Graduate Studies Committee, 2:00-4:00 p.m., 398 AlderH.

Entomology Department Head Candidate Seminar, John D. Edman, University of Massachusetts, refreshments at 3:00 p.m., seminar, 3:15 p.m., 495 Hodson Hall.

Plant Biological Sciences Colloquium, Ethylene, the fruit ripening hormone, Dr. Athanasios Theologis, USDA-ARS, Plant Gene Expression Center, Albany, CA., 4:00 p.m., 335 BorH.

WED- Departmental coffee hours, 9:30 a.m., 394 AlderH. Treats by Martha Piechowski, Neil Anderson.

Safety Committee, 9:00 a.m., 398 AlderH. They will view Dave's radiation safety film. The Safety Committee meets regularly on the 1st and 3rd Wed of each month.

Department Seminar, Association of Botrytis cinnerea infection with premature fruit drop in apple, pear, and plum, Dr. Emily Hoover, 3:30 p.m., 415 AlderH.

Hort Club meeting to elect officers, 5:30 p.m., 394 AlderH.

THR- Prelim Exam, 8:00 a.m. - 4:00 p.m. 394 AlderH. Pick up question from Evonne in main office.

Civil Service Committee, 12:15-3 p.m., 150b Administrative Services Building (1919 University Ave.). All civil service are encouraged to attend.

Faculty Consultative Committee, 2:30 p.m., 398 AlderH.

THR- Hort 8066, Use of nutrient solutions as a means to determine micronutrient deficiencies of plants, Calvin Trostle, Soil Sci Dept., 4:05 p.m., 394 AlderH.

FACULTY MEETING....January 28, 9:30 a.m., 394 AlderH.

SLIDE VIEWER....that was in 435 Alderman (and is so marked) has walked off. Please bring it back to its rightful home. It should never have left in the first place. Cindy Tong.

FACULTY, STAFF, STUDENTS (*grads & undergrads*)....as part of the on-going safety issues, the Safety Committee is organizing groups of departmental personnel to attend CPR & First Aid training. A sign-up sheet is posted in the back hall. Please sign up so we can determine how many sessions will need to be arranged. Thanks, Laura Kalisch.

COURSE OFFERINGS....Hort 8000, Supervised Teaching, will be taught Winter 1993 instead of Fall, 1992. If you may be interested in taking this class, leave a note in my mailbox. Emily Hoover.

RECEPTION....for new Association Dean for Curricular & Student Affairs, Dr. Laurie Hayes, will be held Wednesday, February 5, 3:00 - 5:00 p.m., The Minnesota Commons, SPSC. Please join in to welcome Dr. Hayes.

CALL FOR NOMINATIONS....please submit your nomination(s) for the 1991 Civil Service Outstanding Performance Award. Turn them into Fernande Rodgers no later than January 24.

GREENHOUSE NEWS SUPPLEMENT

Winter Quarter, 1992

Roger Meissner

DEPARTMENT VEHICLES....just a reminder when using the departmental vehicles:

- (1) Follow the user guidelines found in each vehicle.
- (2) Return vehicle with at least a 1/2 tank of gasoline.
- (3) Fill out the mileage sheet.
- (4) Report any problems with the vehicles to me (Roger).

Beginning either late winter or early spring, anyone getting gas at the St. Paul Shops will have to use a separate credit card with will be specifically issued to each vehicle (also tractors, tillers). Details from Roger as they become available.

GREENHOUSE DEMOLITION...anyone who is familiar with the northwest Gibbs greenhouse range should be happy to know that the old greenhouse section that joined the Horticulture greenhouse section to the west has been torn down. This will make it easier and safer for anyone who enters the Horticulture section from the west side. Landfill and grading will take place sometime this spring. The greenhouse section torn down was not accessible the last four years because of unsafe structure conditions. The project of the demolition was done on the part of the UBEEP program and Facilities Management.

GREENHOUSE SPACE....every project should have received a copy of the greenhouse guidelines and space assignments for Winter and Spring Quarter, 1992. Both research and teaching greenhouse space has been assigned to the **maximum**. Please use your space to its full potential. Keep all chairs and carts out of the greenhouses....**PLANTS ONLY!** Also, you are responsible for cleaning up your own mess.

GREENHOUSE SAFETY & SECURITY....A few changes have been and/or will be taking place in the next few weeks concerning the safety and security of the headhouse and greenhouse. As many of you know, the department safety committee is working on a safety program for the department which includes the headhouse / greenhouse. If you have any concerns or safety violations you think may be happening, please report them to me (Roger). For security purposes, a few projects have had Dave Olson install locks on their greenhouse section for added protection. If your project is interested in having a lock installed, please contact Dave or me (Roger). The cost is \$75.00 per section. All outside doors should be locked after 4:30 p.m. during the week and all day on weekends. Keeping doors ajar is prohibited.

GREENHOUSE CLASS ACTIVITY...The greenhouse is alive with students on Tuesday / Thursday evenings. The Plant Propagation (Hort 1036) class taught by Dr. Peter Ascher has a total enrollment of around 90 students for both day and evening. Good luck to Pete and his hard-working TAs, Rick Stapfer, Beth Jarvis, Tracy Jennings.

twig bender

Volume 10 - #3 -- January 24, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

WEEKLY CALENDAR January 27-31

MON- Undergraduate Affairs Committee,
8:00 a.m., 398 AlderH.

Biological Forum, Proposed Changes in the Biology Curriculum at the University of Minnesota, Dr. Sally B. Jorgensen, Associate Dean CBS, 7-7:30 p.m. Social, 7:30-9:00 p.m. Program, 306 Borlaug Hall.

Plant Breeding Seminar, Asparagus Breeding, Dave Plunkett, 4:00-5:00 p.m., 306 Borlaug Hall.

TUE- Resource Planning Committee, 3:00 p.m., 394 AlderH.

Plant Biological Sciences Colloquium, Mechanisms Endowing Multiple Herbicide Resistance in *Lolium* Biotypes Found in Australia, Professor Stephen Powles, Department of Crop Protection, University of Adelaide, Australia, 4:00 p.m., 335 Borlaug Hall.

WED- ARB/HRC Research Policy Committee, leave Campus at 7:30 a.m. for Arboretum.

Department Coffee hour, 9:30 a.m., 394 AlderH. Treats by Judy Day and Laura McCann.

Happy Birthday Ken McNeil !!!

Department Seminar, Phytoalexins in Grapes (and Wines), Mr. Evan Siemann, Graduate Student, Department of Ecology, Evolution, and Behavior, U of M, 3:30 p.m., 415 AlderH.

THR- Faculty Meeting, 9:30 a.m. 394AlderH

Entomology Department Head Candidate Seminar, Mark Ascerno, U of M, refreshments at 3:00 p.m., seminar, 3:15 p.m., 495 Hodson Hall.

THR- Hort 8066, Induction of Dihydroflavonol 4-reductase by Carbohydrates, Sarah Ohmann, 4:05 p.m., 394 AlderH.

FRI- Retirement Party for Russell Adams, Soil Science Department, 4:00 p.m., 375 BorH.

WON'T STAY THERE AGAIN.... Big Ole and I were discussing his recent trip to the Twin Cities. "Ay von't stay at dat hotel again," Ole complained. "Why not?", I asked. "de towels vas tew t'ick." "What's the matter with that?", I questioned, confused. Ole gave me a disgusted look and explained, "yew can't get de suitcases closed."

GREENHOUSE FACTS/FIGURES

Where does your money go?

(1) Soil (soil, sand, turface, perlite, peat, soiless mixes) \$5500

(2) Pesticides and fertilizers \$1900

These are the approximate \$ spent from 2/1/91-2/1/92.

UNLABELED ITEMS....if you have purchased anything stored in 435 AlderH, please make sure that it is labeled with your name by January 31. After that unlabeled items will be considered for "general use" and will be labeled 435 Alderman. This will help us track of items during renovation. Thank you...Cindy Tong

GROUNDHOG GALA....Arboretum, HRC and Hort. Dept. staff and families are cordially invited to a day full of fun family activities, Sunday, February 2, noon to 4 p.m., \$1.00 per person/pre-reserved plus a dish, salad or dessert to share at potluck. Make your reservations today (**DONT'T DELAY**) by filling out the bottom of your green flyer or call Jane Johnson, 443-2460 x 956.

DON'T MAKE US CALL YOUR MOM . . .
get your baby mug shot to Kath Lloyd
TODAY. She is setting up the display case and
you don't want to miss out on this one!

MARK YOUR SOCIAL CALENDAR NOW...
Dave's Pancake Breakfast is on for February
21, 7:00 a.m., 394 AlderH. **Chill Challenge** set
for March 23. *What ever happened to Happy
Hours in this department ? ?*

SYMPATHY. . . is extended to Bob Mullin,
whose mother-in-law died, and to Betsy
Zimmerman whose mother passed away.

1992-93 HORT CLUB OFFICERS are:
President - Troy Larson
Vice President - Pat Mickle
Secretary - Karen Schaller
Treasurer - Scott Endres
UAC Student Rep - Troy Carson
Alternate - Bridgette Matzinger

FIRE ALARM HORNS...will be tested for
Alderman Hall on January 29. If there is a
problem, call Facilities Management at 4-2288.

A NIGHT IN THE RAIN FOREST...presented
by MN State Hort Society and Preferred
Adventures, Ltd. at the Science Museum of
Minnesota, Wednesday, February 5, 6:45 p.m.
(Fill out reservation slip that you received in
your mailboxes).

SCRABBLE PLAYERS TAKE NOTE: the
words "dweeb", "dink", "woppies", "glams",
"zuppies", "gobsmacked" and "affluenza" have
been granted official status by the publishers
of the revered Oxford English Dictionary.

Dweeb - a contemptible or boring person.

Dinks - couples in which both people work
and there are no dependents (Double Income,
No Kids).

Woopie - an older yuppie. They also are
known as "glams" (Graying Leisured Affluent
Middle-aged) or "zuppies" (Zestful Upscale
People in their Prime).

Gobsmacked - a British word meaning
flabbergasted.

Affluenza - the malaise of wealthy people. It
comes from combining "affluence" and
"influenza".

Tribune, 12-8-91



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Volume 10 - #4 -- January 31, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

WEEKLY CALENDAR February 3-7

MON- Graduate Studies Committee, 2-4, 398 AlderH.

Plant Breeding Seminar, Variation in recombination frequency in inter- and intraspecific crosses, Hal Mickelson, 306 BorH., 4-5 p.m.

TUE- Graduate Student Meeting, 2-3:30 pm, Room ?

Plant Biological Sciences Colloquium, Genes that control light-regulated gene expression and development in Arabidopsis, Dr. Joann Chory, Plant Biology Laboratories, Salk Institute for Biological Studies, San Diego, California, 4 pm., 335 BorH.

COA Ambassadors Reception, 4-4:45 pm, SPSC, MN Commons Room (formerly Old World Span Room)

WED- Department coffee hours, 9:30 am, 394 AlderH. Treats by Bob Mullin and Julia Bohnen.

Faculty Consultative Committee, 2:30 pm, 398 AlderH.

Department Seminar, Ethics in science: what we should be doing, Dr. Mark Brenner, 3:30 pm, 415 AlderH.

Reception for Laurie Hayes, Associate Dean for Curricular and Student Affairs, 3-5 pm, SPSC, MN Commons Room (formerly Old World Span Room)

THR- Senior Seminar Series, Hort 3099, Development of crop resistance to insect pests, Bridgette Matzinger, 12:50-1:40 pm, 415 AlderH.

Undergraduate Affairs Committee, 1:00 pm, 398 AlderH.

THR- Hort 8066, Discussion of January 23 prelim exam, Drs. Carter, Luby, & Lauer, 4:05 pm, 394 AlderH.

FRI- Hort 8062, Discussions in Plant Hardiness, 12-1, 398 AlderH.

GREENHOUSE FACTS/FIGURES

Sanitation is the first and most important step in pest management. Please keep the greenhouse benches and floors as clean as possible. Dispose of unwanted plants immediately.

Pesticide spraying at the greenhouses will take place on Monday and Friday afternoons and Saturday morning during Winter Quarter.

MISSING: one set of jumper cables from the greenhouse. Return to Roger ASAP and/or before the next cold snap whichever comes first.

DEADLINE for May 15 Graduate School graduation is April 1.

LAST DAY TO SIGN UP....is February 3 for CPR/First Aid training. All interested departmental personnel sign up on list in back hallway. LK

NOTE FROM THE MULLIN'S: "*Dear Friends, thank you very much for the lovely big basket of flowers that came to us at my parents' house in Arkansas. It brought a shaft of sunshine into a somber time, and stood on the table in the living room as a silent reminder of your caring concern. We took it to the memorial service, and brought it home again, and enjoyed the flowers very much. I thank you for your gift, and for the concern it symbolizes. It is hard when a mother dies!*"

SLIDE SHOW....Bert Swanson will show his slides from Mt. Pinatubo on February 17 at noon, room 394 AlderH.

PLEASE RETURN.....the large Dial U (room 145) trash barrel. Thank you.

WHITE AND YELLOW PAGES, Minneapolis, is schedules for delivering February 14. It is important to leave your old Minneapolis phonebooks outside 305 Alderman Hall in advance of that delivery date. They will also recycle student/staff directories.

SUBURBAN PRAIRIES...Research & Management....an informal half-day meeting for all interested in the greater metro area prairies will be held Friday, March 20 from 1-5 pm in the Refuge, Hodson Hall. Objectives: to bring together people who are involved in research, management and restoration of these sites, to locate and share published and unpublished information, to become away of each others' expertise and develop collaborations, to identify research needs of managers and prairie restorers, and to identify management concerns of researchers, to develop cooperative projects and research plans of greater scope and depth and to envision the futures of these sites as metro land use changes. Sponsored by Dept. of Entomology, contact Dr. Catherine Reed to register, 612-624-3423 or 612-624-3636.

SHE SAID IT....*Food is an important part of a balanced diet* - Fran Lebowitz, from the book Metropolitan Life.

ENERGY SAVING TIPS....some PC monitors are switched separately from the PC itself. In such cases, the monitor can be turned off more frequently than the PC. Although "screen saver" programs protect the screen, they do not save energy. Switch off the screen whenever you are not using it. Remember to turn off laser printers and copy machines overnight. If possible, plan coffee machine use and turn it off in-between. When purchasing kitchen equipment such as microwaves or refrigerators, compare energy usage of different units.

HOLIDAY SCHEDULE FOR FISCAL YEAR 1992-93.....

Major Holidays (all campuses)

Independence Day	July 3, 1992 (Friday)
Labor Day	Sept. 7, 1992, (Monday)
Thanksgiving Day	Nov. 26, 1992 (Thursday)
Christmas Day	Dec. 25, 1992 (Friday)
New Years' Day	Jan. 1, 1993 (Friday)
Martin Luther King Day	Jan. 18, 1993 (Mon)
Memorial Day	May 31, 1993 (Monday)

Floating Holidays (Twin Cities)

November 27, 1992 (Friday)
December 23, 1992 (Wednesday)
December 24, 1992 (Thursday)

Personal Holiday

The eleventh holiday has been designated a personal holiday for 1992-93



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Volume 10 - #5 -- February 7, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

WEEKLY CALENDAR February 9-14

SUN- Minnesota Gardening, Channel 6, MCN, 9 a.m. plus 9 p.m., will highlight the Anderson Horticultural Library at the MN Landscape Arboretum.

MON- Greenhouse Committee, 8:15 a.m., Headhouse.

Plant Breeding Seminar, Linear models for unbalanced data, Tabare Abadie, 4:00 p.m., 306 BorH.

CALA Lecture Series, Ecosystem function and landscape experience: implications for a design curriculum, Joan Iverson Nassauer, 5:00 p.m., Coffman Union Lecture Hall.

TUE- Faculty meeting, 9:30 a.m., 394 AlderH.

Plant Biological Sciences Colloquium, Structure and activity of two dissimilar thioredoxins in Cyanobacteria, Professor Florence Gleason, 4:00 p.m., 335 BorH.

Hort Senior Seminar, Pesticide regulations in Minnesota, Shawn Herman, 12:50, 415 AlderH.

WED- Safety Committee, 9:00 a.m., 398 AlderH.

Department coffee hour, 9:30 a.m., 394 AlderH. Treats by John Carter and Bud Markhart.

Departmental Seminar, Gene flow from cultivated to wild raspberries: risk assessment for genetic engineering, Dr. James Luby, 3:30 p.m., 415 AlderH.

THR- Hort Senior Seminar, Golf courses and the Environment, Charles Miller, 12:50, 415 AlderH.

THR- Hort 8066, Isolated root growth of aspen, Chris Hanson, 4:05 p.m., 394 AlderH.

FRI- Hort Club Valentine's Day Sale, 9-5, 108 SPSC. Cut flowers, bouquets, spring bulbs.



KERMIT OLSON LECTURE....is going to be really fascinating this year:

WHERE: 33 McNeal Hall

WHEN: Wed., February 19, 3:30 p.m.

WHAT: "Search & Serendipity: Foods the American Gave the World"

SPEAKER: Dr. Calvin R. Sperling

Scholarships will be awarded prior to Dr. Sperling's address. A reception honoring Dr. Sperling and the Scholarship recipients will follow, sponsored by the Center for Alternative Plant and Animal Products (CAPAP).

Letters to the Editor:

"It's just fine that the Oxford English Dictionary has granted status to dweeb, dinks, woopie, gobsmacked and affluenza. Dweeb would be a particularly useful and point-gathering word. However, does the official Scrabble Players Dictionary accept updated words from other dictionaries? I'd like to know this, and then let's have a Dep't Scrabble Tournament." Signed...An Avid Scrabble Player.

Dear Twig: What has happened to Happy Hour? Be great if we could all get together again like the OLD DAYS. Anonymous.

A GOOD IDEA...Big Ole serves on the local fire board. The other evening they were meeting and discussing the new fire truck that had been ordered. "Vhat are ve going to dew vit de old truck vonce de new vone gets here?," Ole asked. "There really isn't much we can do with it," said the fire chief. "The engine is shot, the transmission is missing second gear and the pumps don't work." "Maybe ve coul't use it fur false alarms," Ole offered.

HORT DEPARTMENT ANNOUNCES..the 4th Annual Pancake Breakfast & Social . . bring a potluck offering and your eating utensils. February 21. Activity on said feed will commence at 6:30 a.m. in the large kitchen (rm 369) to be followed by the general "Trough" in room 394 at 8 a.m. Things tend to move fast with these morning get-togethers so plan to stop in earlier rather than later...the early bird gets the finest wriggler! Please sign up to bring your favorite breakfast item listed by category and located across from faculty mailboxes. Keep in mind that if your contribution is to be prepared/cooked, chef must have it in hand at the early 6:30 a.m. start time, so bring it in the previous day and put it in the kitchen frig with a note as to it's purpose. Due to the disappearance of most of the eating utensils from room 369, we must all bring our own. It is generally agreed that disposables are a poor idea from the standpoint of the condition of the blue-green sphere that we all call home. Cheers; Spring is on the way! Dave Olson.

ANNUAL CHILI CONTEST....Kathy Lloyd is collecting ideas/suggestions for the awards. How do you want to "do" the contest this year?

BIOTECH WEEK....February 24, 25, 26. When it comes to new biotech products like polylactates, hollow-fiber bioreactors and metabolically engineered micro-organisms, Minnesota is the place to be. Once again, developers, manufacturers and inventors find our atmosphere conducive to productive thinking. That's also the purpose behind Biotech Week - to help you think out the issues, see the possibilities and make valuable contacts - and to help you learn how biotechnology can help your business plan in

the years to come. Deadline to register for group rate is Friday, February 14. Fill out the registration form you received in your mailbox and turn into F. Rodgers for an expense transfer form.

GRADSCHOOL Grant-in-aid applications are available from Laura Kalisch. The first deadline is March 2, 1992. For award categories, eligibility, evaluation criteria, and other information, see Laura.

PHILIP C. HAMM Memorial Scholarship Program for both undergraduate and graduate students is calling for applications. Deadline for receipt is March 9...see postings on bulletin board.

SUMMER 1992 Undergraduate Research Fellowships in Life Science Disciplines are seeking students to participate in research in a wide variety of disciplines in basic biological sciences. Faculty should alert their undergraduate advisees and contact CBS at 4-2244 for application materials.

OPEN HOUSE....Travel Associates, a preferred small business travel agency by the University, February 11, 11 a.m. - 5:00 p.m., Meridel LeSueur Center, 1929 So. 5th Street, Mpls.(Riverside at 20th Ave). Come meet this new vendor and register for free airline ticket, door prizes and refreshments.

GREENHOUSE FACTS/FIGURES

Is your driver's license up to date? The U of MN has a Vehicle Loss Control Program whose purpose is to provide for a safe and legal operation of University owned, leased and rented vehicles and covered equipment used for University business. Attached, you will find a list of general policies and definitions. POST for future reference.

General Policies and Definitions

It is the policy of the University that authorized drivers and their Responsible Authorities are to ensure that vehicles are driven in a safe, legal and considerate manner. To that end, the following General Policies are to be followed:

1. Authorized drivers are limited to employees of the University of Minnesota and sponsored drivers on official University business. Drivers must be at least 19 years of age, whether a University employee or not. Visiting faculty or staff under the supervision or direction of a University Responsible Authority (or department head when applicable) are to be considered sponsored drivers.
2. Authorized drivers must possess a valid, proper license issued by a U.S. state or Canadian province.
3. Drivers are to comply with all state laws and Federal regulations concerning driving practices and the legal and permissible uses and operation of vehicles.
4. Rental vehicles are to be driven only by the authorized driver(s) under the direct sponsorship of a Responsible Authority.
5. Driving of University owned, leased or rented vehicles is to be considered a privilege and not a right. Efforts will be made to improve driver skills as required, but disciplinary action may be utilized to modify improper driving behavior should training prove unsuccessful.
6. Drivers and passengers are required to wear seat belts.
7. Drivers are not to carry passengers who are not part of official or authorized University business.
8. The use of University owned, rented or leased vehicles for personal purposes is not permitted.
9. All traffic offense fines, payments or penalties are the personal obligation of the driver and it is not permissible to use University funds to make payment.

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Volume 10 - #6 -- February 14, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

WEEKLY CALENDAR February 17-21

MON- Slide show, Bert Swanson, Mt Pinatubo, volcanic eruption at Subic Bay, Republic of the Philippine Islands, 12 noon, 394 AlderH.

Graduate Studies Committee, 2-4 p.m., 398 AlderH.

Plant Breeding Seminar, Transformation strategies for improving fungal disease resistance, Abdul Kamanzi, 4:00 p.m., 306 BorH.

Hort Club meeting, 5:30 p.m., headhouse.

TUE- Women in Agriculture, Dr. Laurie Hayes, Associate Dean Curriculum and Student Affairs, COA, 11:45-12:45, 120 Coffey Hall.

Plant Biological Sciences Colloquium, Origin and maintenance of a landscape mosaic in northern hardwood forest, Regents' Professor Margaret Davis, Dept. of Ecology, Evolution and Behavior. 4:00 p.m., 335 BorH.

Hort Senior Seminar, Genetically engineering flower color, Melanie Johnson, 12:50-1:40 p.m., 415 AlderH.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Ken McNeil and Roger Meissner.

Safety Committee, 9:00 a.m., 398 AlderH.

Resource Planning Committee, 1:15 p.m., 398 AlderH.

Faculty Consultative Committee, 2:30 p.m., 398 AlderH.

1992 Kermit Olson Memorial Lecture and Scholarship Awards: Search & serendipity: foods the americas gave the world, Dr. Calvin R. Sperling,

Head of the USDA Ag Research Service's Plant Exploration Office, 3:30 p.m., 33 McNeal Hall Auditorium, reception follows lecture.

THR- Undergraduate Affairs Committee, 1:00 p.m., 398 AlderH.

Hort Senior Seminar, Water gardens for the home landscape, Anthony Guggisberg, 2:50-1:40 p.m., 415 AlderH.

Hort 8066 - Research proposal, Alex Ellram, 4:05 p.m., 394 AlderH.

FRI- Dave's 4th Annual Pancake Breakfast & Social, chefs report at 6:30 a.m. General trough 8-10, 394 AlderH.

The State and Local Policy Program, Humphrey Institute of Public Affairs, UM, Department of Political Science, Carleton College, Office of Senator Paul Wellstone announces a FORUM, Dismantling the cold war economy: towards a needs-based technology policy, Dr. Joel Yudken, 12:00-1:00 p.m., Cowles Auditorium, HHH Institute of Public Affairs, 301 19th Ave So, Mpls. Dr. Yudken holds a PhD in Technology and Society from Stanford University, research fellow for the Project on Regional and Industrial Economics at Rutgers University, co-author of *Dismantling the Cold War Economy*, with Ann Markusen, (New York: Basic Books, 1992).

Second attempt at listing the 1992-93 Hort Club Officers correctly:

President - Troy Carson
Vice-President & Social - Pat Mickle
Secretary - Karen Schaller
Treasurer - Scott Endres
UAC Student Rep - Troy Carson
Alternate - Bridgette Matzinger
Greenhouse Chair - Charlotte Herman

CELEBRATION OF POPULAR CULTURE & Multicultural Youth Development.....March 5, 1:00 p.m. - 8:30 p.m., SPSC Theater, Lectures and performances free; dinner to be purchased individually at the Terrace Cafe, reservations due by February 25, 5-6219. Helen Kivnick will present the welcome & introductory remarks.

GREENHOUSE FACTS/FIGURES

Order in the Court (Headhouse)

Projects are responsible for keeping their greenhouse sections, work areas in the headhouse, growth chambers, walk-in coolers and immediate area around the coolers CLEAN at all times. All bench tops shall be kept clean and free of material. Anything left overnight will be disposed of and a \$25.00 clean-up fee will be assessed to the project responsible for the mess. New tops will be installed either late spring or summer on all the wood benches. Return brooms and dust pans to their original place after use.

I will now be carrying a pager. To get in touch with me immediately, dial 538-9298 and after the beeps, dial the phone number where I can call you. I will return your call within 15 minutes. Thanks.....Roger Meissner.

CASH AND/OR CHECK DEPOSITS....when you receive cash or checks which are to be deposited to your budgets, please bring them to the accounting office right away. We've had instances of checks sitting around and collecting dust for long periods of time; this is against University policy. The auditors insist on immediate deposit to your budgets. If your checks are gifts from individuals or companies, please furnish us with photocopies of the accompanying letters from the donors (if available) so that the gifts may be properly acknowledged. Thank you for your cooperation....Angie Klidzejs.

ATTENTION STUDENTS....February 24 & 25, representatives of the Walt Disney World Co. in Orlando will be on the St. Paul Campus recruiting students for internships in the Kraft

Exhibit "The Land's Agricultural Student Program." Please check with the COA for more information. This looks like an excellent opportunity....Deb Brown

KERMIT OLSON LECTURE....expect an exceptional presentation this Wednesday, when Dr. Calvin R. Sperling, head of the USDA Agricultural Research Service's Plant Exploration office presents "Search & Serendipity: Foods the Americas Gave the World". Columbus and other explorers brought back foods from the new world that are now staples throughout the globe. But there are still under-used, unexploited food sources, some of which will take on great importance in the future. Come hear the fascinating story behind this endeavor, and find out what role the federal government has in food plant exploration and use.

AWARDSCEREMONY...undergraduate in the department will receive their scholarship in a brief ceremony prior to this year's Kermit Olson Lecture, Wednesday, February 19 at 3:30 in McNeal Hall Auditorium. The outstanding civil servant will also receive his or her award at this time. After the lecture, the Center of Alternative Plant and Animal Products will host a reception honoring the award winners and our guest speaker, Dr. Calvin Sperling. Please plan to show your support by attending this annual event. We're certain you'll be glad you did.....Deb Brown

MSRS is sending an election packett to all University employees who had MSRS retirement deductions taken on the last full pay period ending in December, 1991. This material is being sent by campus mail and will include a notice of election, biographical sketches of candidates, ballot, ballot envelopes and a return envelope address to "Tellers". If you are an eligible employee and did not receive a packett, please contact Employee Benefits Department. All votes must be postmarked no later than March 2.

twig bender

Volume 10 - #7 -- February 21, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

WEEKLY CALENDAR February 23-28

SUN- Minnesota Gardening, 9 a.m. & 9 p.m., Channel 6 MCN, new varieties developed for MN through research experiment stations throughout the state.

MON- Biological Forum Symposium III, 8:30 a.m. - 5:00 p.m., Earle Brown Center, Genetically Engineered Organisms: how should they be introduced into the environment issues for public institutions and regulatory agencies.

TUE- Graduate Studies Committee, 2-4, 398 AlderH.

PBS Colloquium, Molecular analysis of flower development in Antirrhinum majus, Professor Heinz Saedler, Max Planck Institute, Plant Molecular Genetics, Cologne, Germany, sponsored by Pillsbury, 4:00 p.m., 335 BorH.

Hort Senior Seminar, Hydroponics: a different way to grow plants, Ted Fritz, 12:50-1:40 pm, 415 AlderH.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Greg Gingera and Conchi Sanchez.

Department Seminar, Root system modification of Quercus rubra, Daniel Krueger, Graduate Student, 3:30 p.m., 415 AlderH.

THR- PRELIM EXAM - 8:00-4:00 - pick up exam question from Evonne in main office.

Hort Senior Seminar, Discussion in Ethnobotany, Carter Clapsadle, 12:50-1:40 pm, 415 AlderH.

Hort 8066, Restriction site variation in chloroplast DNA of Vitis Dave Larson, Graduate Student, 4:05 p.m., 394 AlderH.

A BIG THANKS....goes out to the Seminar Committee, Awards Committee, and the Center for Alternative Plant & Animal Products for the great success of the Kermit Olson Memorial Lecture, Awards Ceremony, and reception. Twenty two undergraduate students were present to receive scholarships ranging from \$500 to \$1500 were presented by Dr. Mullin. Donars present included Mrs. Ingebor Smith and several members of the Soil and Sunshine Garden Club. Gary Gardner, Department Head, presented the Civil Service Outstanding Performance Award to Mary Angela Klidzejs and Bert Swanson, Chair of the Graduate Studies Committee, presented the William H. Alderman Memorial Graduate Award to Daniel Krueger. As this award was a surprise for Dan, his folks from Wisconsin had been contacted earlier and were able to join him at the ceremony. (*Where's the cap!*) The speaker, Dr. Cavin Sperling, delivered a lecture that was appealing and informative to everyone present. P.S. The source of the buffalo sausage served at the reception is: Eichten's Cheese & Bison Farm, 16705 310th Street, Center City, MN 55012 (612-257-6286).

GRAD STUDENTS....the Merit Award applications are due April 3 (see Bluebook for details). AND the Graduate School has revised a number of the forms (located to the right of the grad mailboxes). In particular. . . Preliminary Written Exam Report Doctoral Degree, Degree Program Transmittal and Coursework, and Thesis Proposal Transmittal/Title PhD. Thesis or Ed.D. Project form. Grads and advisors should check these out and become familiar with all.

UNANIMOUS OPINION. . . Big Ole has been having trouble making the payments on his pickup truck. One day he got a letter from the finance company manager asking, "what would your neighbors think if I came by and repossessed your car?" With the week Ole had a letter back to the finance company. "Ay shekced vit dem all and de all agree dat it would be a lousy trick," Ole wrote back.

twig bender

Volume 10 - #8 -- February 28, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

WEEKLY CALENDAR March 2-6

MON- Plant Breeding Seminar, Strategies for the utilization of genetic resources, David DeKoeper, 4:00 pm, 306 BorH.

Hort Club Meeting, 5:30 p.m., 394 AlderH. Guest speaker is Dr. Peter Ascher who will talk on starting a small business. Spring Quarter meetings will be held on Wednesdays twice a month at 5:30 in the Headhouse.

TUE- Senior Seminar Series, In vitro propagation of rhododendron spp. by ovary culture, Kathy Kittleson, 12:50-1:40 pm, 415 AlderH.

PBS Colloquium, Characterization of elements of the CaMV 35S promoter and an organ specific promoter, Dr. Tim Conner, Monsanto Company, St. Louis, MO, 4:00 pm, 335 BorH.

Ag Ambassadors monthly meeting, Commissioner Elton Redalen will be addressing Agricultural Issues in Minnesota, 4:30 pm, MN Commons Room, SPSC.

WED- Department coffee hour, 9:30 am, 394 AlderH. Treats by Maria Janssen and Mark Strefeler. Beautiful Baby Contest prize to be given out.

Safety Committee, 9:00 am, 398 AlderH.

Department Seminar, Factors affecting adventitious root formation on cuttings from Aesculus sp. 'Autumn Splendor' James Busse, Graduate Student, 3:30 pm, 415 AlderH.

THR- Undergraduate Affairs Committee, 1:00 pm, 398 AlderH.

Senior Seminar Series, U.S. Horticulture Abroad, Claude Pearson, 12:50-1:40 pm, 415 AlderH.

THR- Hort 8066, Heritability of flowering requirements in Poa annua L., Paul Johnson, Graduate Student, 4:05 pm, 394 AlderH.

FRI- Dial U Open House, 2:30-4:30 pm, 145 AlderH.

March, 1992

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1992 GRANT RECIPIENTS Horticultural Research Institute

Karl Junginger Grant, \$2000, Dr. Harold Pellett, Development of Stress Tolerant Landscape Pear Cultivars.

Alma & Robert Taylor Grant, \$1000, Dr. Wesley P. Hackett, Increasing the Rootability of Stem Cuttings from Difficult-to-Root Tree Species.

Bachman's Inc./Albert & Olga Bachman Grant, \$500 and Bailey Nurseries Inc. Grant, \$500, James S. Busse and Dr. Wesley P. Hackett, Cuttage Propagation of an Aesculus Landscape Tree Clone.

Bachman's Inc./Albert & Olga Bachman Grant, \$1000, Dr. Barry Goldfarb, Forest Resources, Rejuvenation of Conifer Meristems in Relation to Clonal Propagation.

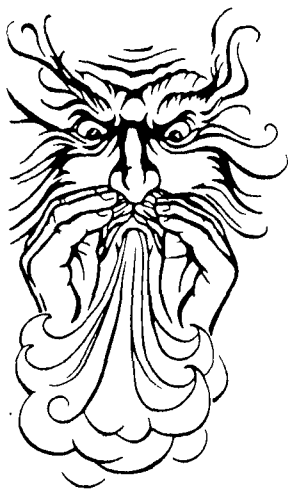
DEPARTMENT HEAD SEARCH is happy to report that Dr. Mark Ascerno has accepted the position of Department Head of Entomology. Congratulations from Horticulture Dept!

GREENHOUSE FACTS/FIGURES

Spring is on its way and that means greenhouse bench space will be at a premium. Please use your bench space wisely and efficiently. If you have requested space for Spring Quarter that you will not be using after all, please contact me. Remember propagation bench space should be used for propagation only and any plant material not labeled or used for propagation will be removed and thrown away in these sections.

CONFERENCE....Ecological Interactions & Biological Control, October 25-27, to *Investigate* the interrelations between ecological theory and the implementation of biological control; *Exchange* information among biological control practitioners in entomology, plant pathology, and weed science; *Provide* a forum for discussion. Sponsored by Legislative Commission on MN Resources, MN Dept. of Ag, U of M (Depts. of Agronomy/Plant Genetics, Entomology, and Plant Pathology). Reply Form to be returned by March 31 to Nancy Harvey, 405 Coffey Hall, 625-8215. FAX 625-2207.

It's hockey/basketball tournament time in Minnesota and you know what that means!



UBEEP CHALLENGE. winner/ congratulations to Ag Engineering for their energy conservation. The occupants in Ag En and McNeal saved approximately \$900 by conserving their electrical usage over a period of four weeks. If the occupants in all of the buildings on the Twin Cities campuses would match these efforts, the savings could exceed \$900,000 annually. (*Turn off those lights in 394/398 after your meetings!*)

twig bender

Volume 10 - #9 -- March 6, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

DIAL U OPEN HOUSE...Friday, March 6, 2:30-4:30 p.m., 145 AlderH. Spring is on it's way and Dial U has a new statewide phone number to answer all those insect and plant questions. To kickoff the season, we are having an open house. Come meet our staff, tour our facilities and get to know us over coffee & cake.

SPRING OPEN HOUSE....J.R. Johnson Supply, Inc., "Gardens of the Mind" featuring as a Designer, Els Hazenberg-Meertens, AIFD of Aasmeer, Holland and Special Guest Commentator, Alan Parkhurst, AIFD, PFCI of Medina, Ohio, Sunday, March 8, 9 am - 5 pm.

LOST/FOUND....at the Kermit Olson lecture, a ladies pin. See Laura McCann to claim, room 340 or call 625-5747.

CHILI CHALLENGE...has been re-scheduled for March 30 (room 394, HIGH NOON) due to spring break for the students. WANTED: Challengers (unlimited number) plus five judges (impartial and unrelated to challengers). To apply, sign up with Kath Lloyd in main office before March 19.

TO: Penalty Mail Users Who Develop Brochures or Materials Mailed Without Envelope.

FROM:Lynette Marten, State Penalty Mail Officer, 625-2787.

SELF-MAILERS.....requirements are: have the fold on the bottom and closure(s) at the top. Two tab seals are required for items printed on 20-lb paper (1 inch from each edge) and one seal at the center for heavier paper. MN Ext Service, EDS Mailing Services is not equipped to put on tabs, but University Addressing & Mailing will provide tabbing services for a fee.

March, 1992

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WEEKLY CALENDAR

March 9-13

MON- Plant Breeding Seminar, Molecular markers as an aide in plant breeding, Carlos Raupp, Graduate Student, 4:00 p.m., 306 BorH.

TUE- Faculty Meeting, 9:30 a.m., 394 AlderH.

Senior Seminar Series, Brassica: a possible in row weed control for sweet corn, Jay Kropuenske, 12:50-1:40, 415 AlderH.

PBS Colloquium, Membrane Fluidity and Somatic Embryogenesis, Dr. Kathryn Wilson, Indiana University-Purdue University, 4:00 p.m., 335 BorH.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. No one has officially signed up to bring this hungry gang a treat. . .this is a perfect time for "forgetters" to redeem themselves by "remembering".

Department Seminar, departmental mini-retreat, 3:00 p.m., 415 AlderH.

THR- Hort 8066 - Discussion of February 27 Prelim Exam is postponed til March 19. Mark your calendars. 4:05 p.m., 394 AlderH.

FRI- Last Day of Winter Quarter classes.

Faculty Consultative Committee, 2:00 p.m., 398 AlderH.

twig bender

Volume 10 - #10 -- March 13, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

March, 1992				
2	3	4	5	6
9	10	11	12	13
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WEEKLY CALENDAR

March 16-20

Finals Week

MON- Graduate Studies Committee, 2-4 pm,
398 AlderH.

TUE- Department Retreat, Minnesota
Landscape Arboretum, 8:15 a.m. - 9:00
p.m. Horticultural Science in
Minnesota: Planning for the Next
Decade.

WED- Department Safety Committee, 9:00
a.m. 398 AlderH.

Department coffee hour, 9:30 a.m., 394
AlderH. Treats by Kath Lloyd, Marna
Erickson and Bud Markhart.

COA Winter Quarter Faculty
Assembly, 10-12 noon, 274 McNeal
Hall, 9:30 continental breakfast.

THR- Undergraduate Affairs Committee,
1:00 p.m., 398 AlderH.

Hort 8066 - Discussion of February 27
Prelim Exam Question, 4:05 p.m., 394
AlderH.

FRI- COA Curriculum Committee, 1:00-2:30
p.m., 101 Coffey Hall.

THEFTS....there has been several thefts in
several buildings on St. Paul Campus already
and spring isn't even officially here yet.
Please lock up your purses, backpacks, in your
office.

AZALEA SALE.....Azaleas that remain from
the Arboretum's Home & Garden Show display
are available to staff at \$15 per plant (retail
cost usually around \$30). Hort staff may pick
up their own azaleas in the poly house. Put
\$15 in an envelope and place it in the
Arboretum mailbox in Alderman Hall. The
azaleas will be taken to the Arb on Thursday,
March 19.

CHILI CHALLENGE....set for March 30 with
394 Alderman being reserved from 11 a.m. to
1:30 p.m. for the contest. Only one person has
signed up to be a judge, four more are needed!
We would like to have some undergrads
participate....how about it? See Kath Lloyd in
main office to sign up before March 19.

GREENHOUSE FACTS/FIGURES

by Roger Meissner

REMINDER: Teaching instructors
(Winter Quarter) must clean all class
areas by March 22. This includes all
work areas, classroom teaching prep
room, benches outside the classroom,
growth chambers and the greenhouse
benches.

ORANGE DOORS leading to the
research ranges are in the process of
being re-keyed to 394-1. The
greenhouse crew will lock these doors
at 4 pm and unlock at 8 am.

HID LAMP sprouted legs again this
week. Remember to lock all outside
doors leading to the research
greenhouse ranges after 4:30 pm on
weekdays and all day on weekends.
Keeping doors ajar is prohibited!

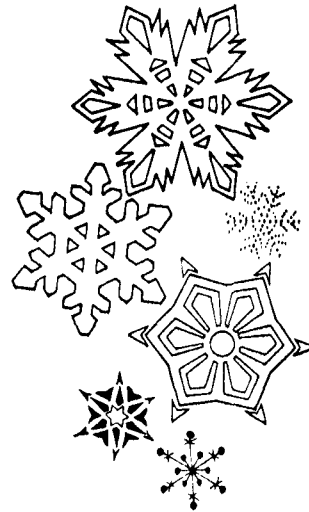
ASAP....can the person who left the
greenhouse cart loaded with empty milk and
brown bottles in 2nd floor dishwasher room,
278, please remove it!!!! This room is not
designed for stacking away STUFF.

SYMPOSIUM.....sponsored by the graduate students of Agronomy, Plant Pathology and Soil Science....presents: Multidisciplinary Approach to Problems in International Agriculture by Norman E. Borlaug, CYMMIT, Mexico and Texas A&M University. March 24, 9:00 a.m., - 4:30 p.m. in the SPSC Theatre. Other invited speakers are: H. David Thurston, Cornell University; Bob A. Steward, USDA Conservation & Production Lab, Bushland, TX and Arnel Hallauer, Iowa State University. Reception following in the Northstar Lounge. You need to sign up in advance so call one of the sponsoring departments for reservations.

GRAD STUDENTS.....must register at least once every two years to maintain active status. If you have not registered since Spring 1990, you must register for Spring 1992 session or else file for readmission. If this pertains to you, contact Grad School at 316 Johnston Hall or call 625-3490. Greg Gingera

MN LANDSCAPE ARBORETUM....presents Parking in the Park, A Conference on Parking Lots, Friday, March 20, 8 a.m. - 4:30 p.m. Speakers include: Marty Hughes, Landscape Architect for Sacramento County, California; Rita Hummel, Plant Physiologist, Washington State University Experiment Station, Puyallup, WA; Harold Pellett, MN Landscape Arboretum scientist; Don Selinger, Nurseryman at Bailey Nurseries; Mike Heger, Perennial Grower, Ambergate Garden; Dave Devoto, City of Minneapolis forester; James Robin, Craig Churchward, Landscape Architects. Registration fee of \$45 each, students \$15 (includes box lunch. Deadline to register is TODAY, MARCH 13. Call 443-2687.

INTERRUPTION....of building steam service for Alderman Hall is 3/16/92 from 12:30-3:30 p.m. If this is a problem, call Facilities Management, 624-2288.



..... When will these flakes go away?

twig bender

Volume 10 - #11 -- March 20, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

March, 1992				
2	3	4	5	6
9	10	11	12	13
16	17	18	19	20
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30	31			

WEEKLY CALENDAR March 23-27

MON- Spring Break

Plant Release Committee, 1:30 p.m.,
394 AlderH.

TUE- Deadline for Winter Quarter Grades to Evonne by noon.

Interruption of Alderman Hall electric
service 1:00 a.m. - 4:00 a.m.

Symposium, Multidisciplinary
approach to problems in international
agriculture, by Norman E. Borlaug,
CIMMYT Mexico and Texas A & M
University, Nobel Prize for Peace, 9:00
a.m. - 4:30 p.m., SPSC Theatre,
sponsored by graduate students of
Agronomy, Plant Pathology and Soil
Science Departments.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Evonne Kuyper and Paul Li.

Women in Ag Sciences meeting, noon,
491 BorH. Discussion with Dr. Laurie
Hayes, Associate Dean, COA.

THR- Project Seminar, Anne Hanchek, 2:30 p.m., 394 AlderH.

FRI- Project Seminar, Cindy Tong, 3:30 p.m., 394 AlderH.

COA Transfer Student Day, D. White,
2:00 p.m., 398 AlderH.

BABY GIRL to Sonja & Jeff Maki. Joanna
Lee weighed 8 lb 2 oz, born on March 15.
Congratulatory notes can be sent to them at
3610 Cedar Creek Ct, Fairmont, MN 56031.

CHILI CHALLENGE....set for March 30, 394
Alderman from 11 a.m. to 1:30 p.m. for the
contest. Get the details and sign up with Kath
Lloyd in the main office. This is your last
chance to participate.

GREENHOUSE FACTS/FIGURES by Roger Meissner

VEHICLE UPDATE....projects which
own their own vehicle can now use
their white universal gas card at any
Conoco and Jiffy-Lube station.

PAGER....to get in touch with me
immediately, dial 538-9292, after the
beeps, dial the number where I can call
you back. I will try to return your call
within 15 minutes.

CONGRATULATIONS....go to Wes Hackett
on his election as vice president-elect for the
Research Division of the American Society for
Horticultural Science.

STATE CHAMP.....is Joe Sowokinos
who won the North Dakota State Handball
Championships in his Master Class. WOW!

GLOBAL WARMING 2050.....PBS special by
James Burke on the effect of the environment
on civilization from many years BC to 2050 as
viewed from the year 2050. Two 55 minute
videos will be shown March 25, 12-1 and
March 26, 12-1 in room 394 AlderH. All are
welcome to bring a bag lunch, watch and
discuss. These are excellent tapes. See Bud
Markhart for details.

twig bender

Volume 10 - #12 -- March 27, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

March, 1992				
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WEEKLY CALENDAR March 30 - April 3

MON- Spring Quarter begins with the Chili Challenge, High Noon.

Graduate Studies Committee, 9-11 am, 398 AlderH.

Plant Breeding Seminar, Aluminum tolerance breeding, Sidney Parentoni, 4:00-5:00 pm, 306 BorH.

Biological Forum, Global Change Research: Perspectives from Paleorecords, Dr. Kerry Kelts, Director, Limnological Research Center, 7-7:30 pm Social, 7:30-9:00 pm Program, 306 BorH.

WED- Deadline to apply for the May 15 Grad School Commencement Ceremonies.

Department coffee hour, 9:30 am, 394 AlderH. Treats by Lynnette Brudvig. One more treater is needed.

Department Safety Committee, 9:00 am, 398 AlderH.

FRI- COA Curriculum Committee, 2:30-4:00 pm, 101 Coffey Hall.

Scientific Career Conference, Managing a scientific career: issues facing women and men in science, 3:00-8:30 pm, Friday and 8:30-12 noon Saturday, SPSC.

Graduate Students must turn in their Merit Award Dossiers to Evonne.

MEETING DATES.....for faculty meetings, Spring Quarter are: April 9, May 14, June 11. Time: 9:30 am, 394 AlderH.

Minnesota Landscape Arboretum Events For The Entire Family:

Saturday & Sunday (April 4 & 5) - Sugarbush Open House (9 am - 3 pm) and Pancake Brunch (10 am - 3 pm). Enjoy pancakes with fresh syrup made at the Arboretum and tour their maple syrup operation. Tickets \$5 adults; \$3 children. Call 443-2687 to reserve.

FORMER SOVIET UNION....a delegation of agricultural and agri-business leaders from the Dakotas and Minnesota has been invited to visit several areas of the former Soviet Union in October 1992 under the auspices of People to People International. During the 14-day program, you will travel to Moscow, Kiev, Minsk and St. Petersburg (formerly Leningrad). The mission will be to study, exchange ideas and learn about our Soviet counterparts and the state of agriculture in the Soviet Republics. The delegation will participate in discussions with our counterparts and highlight current issues in our field, including environmental issues related to agricultural practices. If interested, contact Laura Kalisch FFI.

MANY THANKS....to all for being so accommodating and friendly. I'll surely treasure my stay here, it has been a very memorable one. I'll be returning to my country, the Philippines. Agnes Flores-Nimedez.

COCKROACH....Alderman is being treated for cockroaches which began on March 26 and will continue for the next three Thursdays. Laughlin's Pest Control is the company doing the spraying. If you have any questions or concerns, please contact Roger Meissner.

April, 1992				
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WEEKLY CALENDAR
April 6-10

MON- Arb/HRC Committee, 8:30 a.m., 398 AlderH.

Undergraduate Affairs Committee, 1:00 p.m., 398 AlderH.

SEMINAR: Mapping and Manipulation of the Tomato Genome, Dr. Steve Tanksley, Cornell Univ., 3:30 p.m., 110 Green Hall. Reception following in 394 AlderH.

Forest Resources Use in the Solomon Islands: Can Traditional Societies Conserve and Develop the Rain Forest? Richard Guillery, 3:00 p.m., 203 Green Hall.

Plant Breeding Seminar: Soybean cyst nematode, Geoff Graham, 4:00 p.m., 306 BorlaughH.

TUE- Project Seminar, Mark Brenner, 2:00 p.m., 394 AlderH.

Alteration of β -tubulin gene expression during cold acclimation in Arabidopsis, Boyang Chu, 3:30 p.m., 306 BorlaughH.

WED- Departmental Coffee Hour, 9:30 a.m. Treats by Betsy Zimmerman and Roger Meissner.

Forestry Best Management Practices Implementation Monitoring: Results of the 1991 Field Audits, Dr. Michael Phillips, 3:00 p.m., 203 Green Hall.

THR- Faculty Meeting, 8:30 a.m., 394 AlderH. (Note time change). Graduate faculty meeting immediately following general meeting.

Prelim Exam, 8-4, pick up exam from Evonne.

Project Seminar, Al Smith, 4:00 p.m., 394 AlderH.

FRI- Graduate faculty & graduate students meeting, 3:00 p.m., 394 AlderH. Departmental Happy Hour immediately following.

H.K. Hayes Memorial Lecture and Graduate Student Award Ceremony, Monday, April 13, 7:30 p.m., Earle Brown Center, Rm. 135, "Agriculture and Government" by Arne Carlson.

The Native Grass Collection located in the back left hand corner, top shelf, of Alderman Hall 423 has been moved. Would the person who did it please inform Dr. Mullin where the collection is now located. He needs it for class on Tuesday.

An Employee Benefits counsellor is now available to meet with employees having questions on their health insurance or retirement. The service is available to staff & faculty on Tuesdays in the St. Paul Area Personnel Office, 119 Classroom Office Building. To schedule an appointment call Barry Melchor at 4-2071 or the General Benefits information number 4-9090.

If anybody knows where the digital caliper that was on the mail shelf a couple of weeks ago has gone, please let someone from the floriculture program know. Thanks, Tom Viker.

THE CHARLES A. LINDBERGH FUND was established in 1997 as a non-profit organization to honor the memory of Charles A. Lindbergh, who devoted his life to many of mankind's chief concerns in the 20th Century.

It is the Fund's intention to support future generations in working toward the goals he envisioned, "...to discern nature's essential wisdom and to combine it with our scientific knowledge..." before it is too late.

It is as a means to this end that each year the Lindbergh Fund provides grants of up to \$10,580 (a symbolic amount representing the cost of the "Spirit of St. Louis") to men and women whose individual initiative and work in a wide spectrum of disciplines furthers this balance.

The Board of Directors is interested in the following categories: (1) Aviation/Aerospace, (2) Agriculture, (3) The Arts and Humanities, (4) Biomedical Research, (5) Conservation of Natural Resources, (6) Exploration, (7) Health and Population Sciences, (8) Intercultural Communication, (9) Oceanography, (10) Waste Disposal Management, (11) Water Resource Management, and (12) Wildlife Preservation. For more information see Laura Kalisch.

IMAGE MAKER for making slides will now be available in the photocopy room 326. Please prepare slides on your own computer and save the file on a double sided-double density 5.25 inch diskette formatted for 360 K. Ektachrome 100 ASA/ISO works well. This particular setup will not let you view the slide. Just remember to setup in room 326 is for printing your slides to film not to the monitor. If you need help setting up Image Maker contact me, Jerry Pierson, at 4-1218. And please, leave a voice message, night or day, if I'm not around.

Softball Notice: Men's softball begins on Wednesday, April 8th. We play at 5:00 p.m. sharp on field #1 out at the golf course. Cost is \$6.00 per person, payable to Ken McNeil, for the season. Practice game is this Friday, April 3rd at 5:30 in "The Pit".

A Question for Horticulture.

Does hybrid vigor (heterosis) exist in the Kitchen?

To answer this question, Neil Anderson entered two different chili recipes (the parents) and a hybrid mix of the two. If heterosis did exist, the hybrid should rate higher than either or both parents. Ratings of the three chilies proved this to be true, i.e. the parents rated low (8 and 9) while the hybrid recipe ranked a 6. This proves that plant breeding principles work in the kitchen, too.

Chili Contest

Kudos to the Chili Judges, they did a wonderful job (again). The winner was Evonne Kuyper, really great Chili EK, just ask Dan Krueger-we stopped counting the bowls he ate! Jim Busse was 2nd place (good, good) and last but the very least, our hero from last year, Greg Gingera with the MOST unusual ingredients. Greg did a really great job in getting contestants to do chili-Thanks Greg. The rest of the Department should have shown up in Shirley's Kitchen on Monday, March 30. What fun we had, munchin' and savoring 9 different types of chili. The company wasn't bad either. Next year why not come and join us.

Submitted by a Chili Freak.

Coming up next - a picnic, an ice cream social, a BQ -- What??

The editor regrets that there was not enough room in the twig for chili recipes. We will put out a supplement.

twig bender

Volume 10 - #14 -- April 10, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 AlderH/St. Paul, MN 55108

April, 1992				
		1	2	3
6	7	8	9	10
<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
20	21	22	23	24
27	28	29	30	

WEEKLY CALENDAR April 13-17

MON- Graduate Studies Committee, 9-11 a.m., 398 AlderH.

Plant Breeding Seminar, Germplasm Erosion, Jesus Marquez Ortiz, 4:00 p.m., 306 BorH.

H.K. Hayes Memorial Lecture & Graduate Student Award Ceremony, Agriculture & Government, Governor Arne Carlson, 7:30 p.m., 135 Earle Brown Center, Department of Agronomy & Plant Genetics.

TUE- PBS Colloquium, Hydraulic Architecture in Woody Plants, Zhangling Ren, Dept. of Forest Resources, 3:30 p.m., 306 BorH.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by John Carter & Gary Gardner.

Department Safety Committee, 9 a.m., 398 AlderH.

Hort Club Meeting, 6:00 p.m., Headhouse.

Deadline to sign up for garden plots. There is a \$5.00 sign-up fee payable when contracts are signed. Only a few plots remaining so sign up ASAP - located across from graduate mailboxes.

THR- Candidate Seminar for Associate Dean for Research, COA & Assistant Director of the MN Ag Experiment Station, Agricultural Research in the Land Grant University in the 1990's and Beyond, Susan K. Harlander, 9 a.m. - 10:15 a.m., SPSC Theater, refreshments MN Commons Room 10:15 .

FRI- COA Curriculum Meeting, 2:30-4:00 p.m., 101 Coffey Hall.

APRIL IS HORTICULTURE AWARENESS MONTH - STATEWIDE

- Discover horticulture in Minnesota
- Expand your knowledge
- Plant a garden
- Join your local garden club
- Visit the MN Landscape Arboretum

ALTERNATIVE MEMORIAL DAY WEEKEND.....try A. E. Havens Center for the Study of Social Structure and Social Change (U of Wis-Mad) which hosts the Ninth Annual Midwest Radical Scholars Conference, May 22-24. People are invited to organize their own workshops, with topics on almost everything. The conference will be held at the Camp Upham Woods in Wisconsin Dells and there is still time to sign up. FFI see Gerard Engelen, room 380 AlderH.

U OF M HORT CLUB...announces their **Spring Garden Sale**, May 21-23, 9 am - 5 pm. SPSC. Plants available for sale include: annuals, unique perennials, wildflowers, lilacs, vegetables, blueberry plants, shade loving plants, ornamental grasses, herbs, hanging baskets. Come celebrate Spring with some new plants for your office, home and garden.

GREENHOUSE FACTS/FIGURES
by Roger Meissner

Research & Teaching Field Plot Users
Phone Numbers & Contact Person

Farm Shop	5-1228	Tom Warnke
StP Grounds	5-5235	Tom Kidd
StP VehMain	5-5730	Dan Zens

WHITE WASH ALERT - In April, beginning 4/13, I will be applying white wash to the greenhouse ranges. If you would like WW applied, let me when. **WARNING....do not park around the greenhouse during this period.**

PESTICIDE APPLICATION....insect application will take place on weekend mornings. Please refrain from using the greenhouses before 10 a.m.

SHOP POLICY....effective April 9, anyone using the greenhouse shop (room 187) must supply their own handtools due to the fact that full sets of wrenches and screwdrivers are missing. Power tools can still be used with prior approval from the greenhouse staff.

**THINK
SPRING**

Over the winter Big Ole and Lena took a little vacation down in Florida. They toured all of the sights the first day and Ole's feet were really aching by the time it was all over. He decided to soak his feet in salt water and headed down to the beach to get a bucket. As he was returning from the high tide with a full pail he was accosted by a panhandler who snorted, "you think that stuff is free or something. That will cost you 25 cents for a bucket of seawater."

Ole grumbled but reluctantly forked over the quarter. He later walked down to the beach after the tide had gone out. "Wow," Ole exclaimed, "de did vone hell of a business in seawater today."

April, 1992				
		1	2	3
6	7	8	9	10
13	14	15	16	17
<u>20</u>	<u>21</u>	<u>22</u>	<u>23</u>	<u>24</u>
27	28	29	30	

WEEKLY CALENDAR
April 20-24
EARTH WEEK

MON- An informal tree planting dedicated to Jimmy Cooper's memory, son of Martha Piechowski, 9:00 a.m., top side of Alderman Hall. Tree courtesy of Bert Swanson's TRE Nursery. All are welcome.

Undergraduate Affairs Committee,
11:45 a.m., room 398 AlderH.

TUE- PBS Colloquium, Root Nodule Structure and Nitrogen Fixation: Current Perspectives, David Robinson, 3:30 p.m., 306 BorH.

WED- Professional Secretaries Day

Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Dave Davis, Wes Hackett.

THR- Hort 8066, Cooperative Project in Puerto Rico, Karl Sauter, 4:05 p.m., 394 AlderH.

FRI- EARTH DAY

Transfer students visiting department, 2:30 p.m., 394 AlderH.

CONGRATULATIONS.....to 3 successful Masters students - Dan Krueger (Bert Swanson, Advisor), Kevin Iungerman and Brent Bushnell (Emily Hoover, Advisor) and James Busse (Wes Hackett, Advisor). We wish you much success in your career endeavors.

CONGRATS ALSO.....to Mary Meyer (Don White, Advisor) for passing her oral prelim exam.

GOOD WORKOUT..."How are you doing on the new exercise program that Lena put you on?," I asked Big Ole when I stopped by for a visit. "Aw, 'i's going okay now but for avhile dere Ay vas overdoing it," Ole admitted. "What are you doing differently now?," I asked. "Vell, Ay nefer take more dan a six pack vit me vhen Ay go to vorkout."

RETIREMENT LUNCHEON...honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 12, 1992. The tickets cost \$4.00 each and must be paid for when obtained. Ticket deadline is noon on Wednesday, May 6 and **will not** be sold after that date. See Laura Kalisch if interested in attending (624-3039).

RETIREMENT POTLUCK.....for Merv Eisel will be May 15 at the MN Landscape Arboretum, 4:00 p.m., RSVP by May 11 to receptionist at 443-2460 Ext 0.

COA SPRING QUARTER FACULTY ASSEMBLY, June 10, SPSC Theatre, continental breakfast 9:30-10:00 a.m., 10-12 noon, meeting. Submit agenda items to Debbie Karner (624-4248) no later than May 20.

"FLORIADE", once-in-a-decade (April to October) World Horticultural Exhibition, is right in the green heart of Holland, next door to the Dutch seat of government in The Hague. In 1992, the year of European unity, this "Floriade" will be something very special. Set in 68 hectare of parkland, the highlights start with exhibitions, flowers, bulbs, pot plants, trees, vegetables and fruit from every corner of the globe. There are 7 main themes with pavilions, thrilling attractions, art, culture and special events. This is a world showcase with something for every age, every taste and every nationality. "Floriade attractions for the tourist, the hobbyist, professionals, incentive winners, gardeners, photographers and many other interest groups are expected to attract more than 3 million visitors in 1992. There are tour groups departing the United States for Floriade if you want to attend. MN State Horticultural Society has several. If interested, call 612-624-7752.



twig bender

Volume 10 - #16 -- April 24, 1992
Editor: Martha Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

April, 1992				
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
27	28	29	30	1

WEEKLY CALENDAR April 27-May 1

MON- The Landscape and Plant Material Curriculum Review Committee will meet in 398 from 7:00-9:00 a.m.

GSC meeting 9:00-11:00 a.m. in 398 AlderH.

TUE- PBS Colloquium, Alteration of Gene Expression Associated with Abscisic Acid-induced Chilling Tolerance in Maize Suspension Cultures, Zhanguo Xin, 3:30 p.m., 415 AlderH.

WED- Departmental coffee hour, 9:30 a.m., 394 AlderH. Goodies by Laura McCann and Mary Joyce.

THR- Hort 8066, Research Proposal, Rita Pasini, 4:05 p.m., 394 AlderH.

FCC meeting 10:30 a.m. in 398 AlderH.

UAC will meet the following days from 11:45-1:45 in rm. 398 AlderH; May 4, 18 and June 1.

Sunday, April 26 is **Earth Day**. The Arboretum and The Raptor Center join to sponsor Earth Day exhibits and activities. The Raptor Center will release the birds of prey it has rehabilitated. Displays from environmental groups; entertainment and

children's activities throughout the grounds. Free to members of Arboretum and Raptor Center. General public admission: \$3 for adults 16 and older.

The new fax number for Plant Biology is 5-1738.

CONGRATULATIONS to James Busse for passing his masters exam!

The University Course Information Project (UCIP) faculty questionnaires for courses taught Fall quarter 1992 were distributed on Monday April 13. Please fill out the questionnaire and return it by **April 27th**. If you have any questions or didn't get a questionnaire, please call Michael Handberg or Peter Laczniak at 625-9992.

Life Sciences Undergraduate Research Symposium will take place Wednesday, May 20 in 128 Snyder Hall. To assist students in preparation of their poster, two planning sessions have been scheduled to explain the guidelines and standards for preparation of a professional poster. The one on the St. Paul campus is Tuesday, April 28, 3:00 p.m. at 239 Gortner. Registration forms are available from Evonne.

The **Arboretum** also has "Floriade" trips planned for this summer and fall (see April 17 Twig Bender). August 13-29 with host Peter Olin and September 17-October 1 with Merv Eisel. Evonne has registration forms as well as a fifteen minute video to borrow for personal or class use for anyone interested in learning more about "Floriade".

CONGRATULATIONS to Marna Ericson and Boone Eulberg--their son Hans was born on Thursday, April 23 and weighed 6 lbs. 4 ozs.

twig bender

Volume 10 - #17 -- May 1, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

May, 1992				
				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

WEEKLY CALENDAR May 4-8

MON- Undergraduate Affairs Committee,
11:40 a.m., 398 AlderH.

TUE- PBS Colloquium, Molecular cloning of abscisic acid-regulated genes associated with the induction of freezing tolerance in potato, Baolong Zhu, 3:30 p.m., 306 BorH.

WED- Safety Committee meeting, 9:00 a.m.,
398 AlderH.

Department coffee hour, 9:30 a.m., 394
AlderH. Treats by Mark Strefeler and
Jim Busse.

THR- Hort 8066, Discussion of April 9
prelim exam, 4:05 p.m., 394 AlderH.

Guy Stanton Ford Memorial Lecture,
The Continuing Storm Over the
University, John R. Searle, noted
Berkeley philosopher, 3:30 p.m., Scott
Hall Auditorium. Lecture is free and
open to the public.

FRI- Carpet cleaning in the 3rd floor
administrative area of Alderman.
Computers will be disconnected and
moving commences at 2:00 p.m. If you
have any urgent documents for typing,
get them into office staff for morning
processing. Thank you.

MINNESOTA GARDENING....will air
Sunday, May 3, 9 a.m. & 9 p.m., channel 6
MCN TV. Spring Wildflowers: thinking of
going native? Learn about Minnesota's native
wildflowers, where to grow them, and how to
choose them for your garden.

MOTHER NATURE DAY....an event for all
the family to celebrate Mom at the Minnesota
Landscape Arboretum, Sunday, May 10.
Lunch, gift bags for mom, entertainment and
family activities. Sponsored by Dayton
Hudson Company. Tickets at \$10 for moms,
\$7.50 for friends and family. Tickets are
available after April 26 by calling 1-800-272-
2450 or at the Arboretum Gift Shop.

BETTER LATE THAN NEVER.....news from
the COA regarding students on the Winter
1992 Dean's List. Congratulations to our
students: Larry Anderson (Davis), Troy
Carson (White), Terrel Davison (Strefeler),
Candy Kimmes (Ascher), Heather
Kreidermacher (Strefeler), Sarah O'Leary
(Brown), Bridgette Matzinger (Davis), Faye
Propson (Swanson), Karri Ritchie (Strefeler).

INVITATION....from Hort Club who is
sponsoring a ice cream social on May 29. It
will be held on the front lawn (Folwell side) of
Alderman Hall starting at 4 p.m.

CONVERSATION...overhead at the local small
town coffee shop. "Hey, Einer, did you hear
Big Ole is taking Sven to court about dos cows
he bought from him?" "By golly, no, does Big
Ole haf a case?" "No, yust a old Yohn Deere."

over

CONFERENCECONFERENCECONFERENCE

Roots of Plant Nutrition Conference, July 8-10, 1992 in Champaign, Illinois. Graduate students and faculty who have a special interest in crop management, soil fertility, and plant nutrition are invited to submit abstracts for volunteer poster papers and/or field demonstrations to be given during the conference. There is a 50% registration fee reduction for grad students presenting poster papers. A proceedings will be published and available for distribution at the conference. Conference organized by Potash & Phosphate Institute and Foundation for Agronomic Research; co-sponsors are Agriculture Canada/Research Branch, National Fertilizer & Environmental Research Center/TVA, University of Illinois Department of Agronomy, USDA/Ag Research Service, and USDA/ARS National Soil Tilth Lab.

CONFERENCECONFERENCECONFERENCE

The Virginia Water Resources Research Center announces The Fourth National Pesticide Conference, November 1-3, 1993, Richmond, Virginia. Call for papers will be issued by July 1992. For more information, contact Diana L. Weigmann, Conference Director, Virginia Water Resources Research Center, Virginia Polytechnic Institute and State University, 617 North Main Street, Blacksburg, VA 240-60-3397, 703-231-5624, FAX 703-231-6673.

CONFERENCECONFERENCECONFERENCE

TO ALL YOU "HORT PEOPLE"...writes Nina Glomsrud. "Since I am soon going back to Norway, I just want to thank you all for making my stay so great! I want to thank each and everyone of you for being so nice to me and taking so good care of me. A special thanks to Fernande who for eight months have been spending so many hours taking care of my paperwork mess, by now we just love filling out forms. (By the way, Fernande, the paycheck was wrong this week...no, just kidding). Everybody else in the front office, thank you for everything. I also would like to send A BIG THANK YOU to everybody on the 4th floor, from room 458-462. You have all been just wonderful! John gave me this great opportunity to come to the United States and work, and he has been a nice boss. Thanks to Mark, for letting me stay with you the first days I was here. Deb also needs a big hug. She has been my mom, and helped me to solve all my personal problems, such as which party do I go to this weekend? To the graduate students, I just want to say, I will always remember you, you are great! My last day at work will be the 15th of May. Then I will go to California for 3 weeks. I am going home to Norway on the 22nd of June. That will be the worst day of my life. I will miss you all, especially Cheri, my wonderful roommate. Thanks Everybody!" *Nina submitted a Swede Joke, which we will print in Twig next week.*

CONGRATULATIONS...to Terrel Davison, Karri Ritchie and Heather Kreidermacher, recipients of the prestigious Joseph Shinoda Memorial Scholarship. A nationwide competitive scholarship awarded to outstanding floriculture students on the basis of academic merit, professional development and horticultural related activities in their home and university communities. Please be sure to congratulate them on this wonderful accomplishment. M. Strefeler

RENOVATION...of 435 AlderH will commence with drilling on/about May 18. Plumbing & electrical rough-in will continue through May 28. There will be noise and dust may affect the 3rd floor kitchen & labs. You will be able to use the tissue culture facilities (435) but cover material that you want protected from dust. If utilities need to be shut off, Physical Plant will notify us 1 week prior. The microwave will be relocated, drilling will occur near the north door & center of room. Sorry for the inconvenience.

GREENHOUSE FACTS/FIGURES

by Roger Meissner

Beginning Friday, May 8, use the black gas credit card when filling up every vehicle at the St. Paul pumps. When filling up farm equipment (tractors, tillers, gas cans, etc) our gas credit card is kept at the St. Paul Shop.

FIELD PLOT USERS....the following dummy numbers have been set up at the St. Paul Maintenance Shop for repairs on any department farm machinery:

TRE Project 851
TURF Project 817
HORT Dept. 852

Any questions? Contact Roger.

TO: Faculty & Staff suffering from "TERMINAL CLUTTER".

FR: Equipment Elf & Greenhouse Gnome

In the interest of clutter abatement, new beginnings & safety, the Horticultural Science Department will sponsor a clean-up day, Wednesday, May 13 starting at 10 a.m. For this clean-up day, hallways will be cleared of all discarded equipment placed there by anyone wanting to shed themselves of unwanted items. This clean-up will be complete, to the extent that it will include areas on 1st and 2nd floors that for years have accumulated "interesting" equipment discarded by Projects and then adopted by the "Hort Shop". Few items will be spared! If you are feeling cramped, cluttered & endangered, please participate & welcome the arrival of Spring with all of it's wonder & possibilities.

P.S. The week following the official cleanup, the Equipment Elf will circulate through the facility to assist labs in the explanation of/and compliance with the lab safety problems you may have recently been cited for.

twig bender

Volume 10 - #19 -- May 15, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

THIS WEEKEND May 16/17

SAT- Auxiliary Plant Sale, 9-2, Minnesota
SUN Landscape Arboretum.

SUN- West Central Experiment Station Ag
Awareness Day, 2-5 p.m., UM Morris,
Hwy 329. Demonstrations & displays
related to Agronomy, Ag Econ, Beef,
Dairy, Horticulture, Sheep, Soils &
Swine. FREE

SUN- Environmental Lawn Care, Channel 6
MCN, 9 am & 9 pm. What you put on
your lawn may end up in your water.
Reduce chemical inputs by these
simple methods.

May, 1992

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4	5	6	7	8
11	12	13	14	15
<u>18</u>	<u>19</u>	<u>20</u>	<u>21</u>	<u>22</u>
25	26	27	28	29

WEEKLY CALENDAR May 18-22

MON- UAC meeting CANCELLED.

Fall Quarter Registration begins.

TUE- Faculty Consultative Committee, 2:00
p.m., 398 AlderH.

PBS Colloquium, Gene Expression
During Adventitious Root Initiation in
Tobacco Cuttings, Steve Lund, 3:30
p.m., 306 BorH.

WED- Safety Committee meeting, 9:00 a.m.,
398 AlderH.

Department coffee hours, 9:30 a.m.,
394 AlderH. Treats by Kath Lloyd
and Martha Piechowski.

WED- Carlsen Lectures presents The Test of
Humanity: Resolving Conflict, Terry
Waite, Former Middle East hostage,
12:15 p.m., Northrop Auditorium.
Lecture is free.

Life Sciences Undergraduate Research
Symposium, 1:30-4:00 p.m., 128 Snyder
Hall.

Department Seminar, Soil Amendments
in Nursery Container Media, Beth R.
Jarvis, Master of Agriculture degree
candidate, 3:00 p.m., 394 AlderH.

THR- Horticultural Science sponsors
departments head's breakfast, 7:30
a.m., 394 AlderH.

Horticulture Club Plant Sale begins
and runs through Saturday, 9-5, STSC

SUMMER SESSION....class schedules are
available on a limited basis. They are located
in the reception area of the main office.

POSTED....in main office is the 1991-93 Salary
Plan for the new AFSCME Clerical Unit and
the Compensation Plan for Civil Service
Employees.

SYMPATHY.....to Ok Young Stadelmann and
Wes Hackett, who both lost a parent recently.
The Department Flower Fund expresses our
condolences by sending flowers.

THANK YOU.....to FCC for sponsoring an
"Appreciation Luncheon" for the office staff.
It was great to see so many faculty join us and
show their support of our efforts. We
appreciate your thoughtfulness.

twig bender

Volume 10 - #19 -- May 15, 1992
 Editor: Evonne Kuyper

Department of Horticultural Science
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 MCN, 9 am & 9 pm. What you put on
 your lawn may end up in your water.
 Reduce chemical inputs by these
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THANK YOU.....to FCC for sponsoring an
 "Appreciation Luncheon" for the office staff.
 It was great to see so many faculty join us and
 show their support of our efforts. We
 appreciate your thoughtfulness.

WANTED.....camping gear to borrow. Nina Glomsrud is going to California and is looking for 3 mattress pads and (2) sleeping bags. Call her at 624-0736.

DONATIONS.....are needed to the flower fund which is running low. See Kath Lloyd.

HORT CLUB t-SHIRT DESIGN CONTEST .
. . anyone can submit a design and be eligible for the fabulous prizes awarded to the 1st and 2nd place winners at the Ice Cream Social on May 29. Designs are to include the following: Horticulture and University of Minnesota. Entries are due in the Hort Club "Mailbox" by Wednesday, May 28. The winning design will be on display at the Ice Cream Social and orders can be placed at that time. T-Shirts will be distributed early fall quarter. Show off your hidden artistic talents, ENTER now.

FACULTY GRANT PROGRAM....1992-93. The Office of International Education (OIE) Faculty Grant Program supports international activities of University of Minnesota faculty. It is designed to enable University faculty on all campuses to participate in one-time research or conference opportunities, or to fund initial phases of projects that will ultimately be supported by other sources. Grants are not intended to fund ongoing or recurring exchanges or activities. They generally range from \$500 to \$800. To receive an OIE grant, the faculty member must show that matching funds in the amount of the grant request are confirmed from another institutional source, such as a department, college, professional society, foundation, or government agency. In-kind support from a host institution will also be considered to meet the matching-fund requirement. See Laura Kalisch for more information.

SWEDE JOKE (complements of Nina Glomsrud)....two swedes were out ice fishing. They put all their stuff down and started to drill a hole in the ice. Then they heard this voice, "there is no fish there". "Who was that?" one of them said. The other said, "I don't

know, but it was sure nice of him to tell us that". So they packed all their stuff together and walked further out on the ice. Again they were ready to drill a hole and they heard this voice, "There is no fish there". They still couldn't figure out where this voice came from. But again they packed up their stuff and moved further out on the ice. Now they were really far out and were ready to drill the hole when they heard this voice for the 3rd time, "This is the ice skating rink manager talking, there is no fish there".

twig bender

Volume 10 - #18 -- May 8, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

May, 1992				
				1
4	5	6	7	8
<u>11</u>	<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>
18	19	20	21	22
25	26	27	28	29

WEEKLY CALENDAR May 11-15

MON- RSVP for Merv Eisel's retirement party. 443-2460 Ext 0.

Graduate Studies Committee, 9-11 a.m., 398 AlderH.

Seminar for Associate Dean for Research, COA & Assistant Director of the MN Ag Experiment Station, Agricultural Research in the Land Grant University in the 1990's and Beyond, David L. Zartman, 8:45 to 10:00 a.m., 33 McNeal Hall. Refreshments at 10:00 a.m., McNeal Hall Atrium.

Biological Forum, Issues in Food Safety, Dr. Theodore P. Labuza, Professor, Food Science & Nutrition, 7-7:30 p.m. social, 7:30-9:00 p.m. program, 306 BorH.

TUE- Faculty Consultative Committee, 2:00 p.m., 398 AlderH.

PBS Colloquium, Purification and Characterization of Acetyl-COA Carboxylase from Diclofop-Susceptible and Resistant Lolium, Kim Evenson, 3:30 p.m., 306 BorH.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Judy Day and Greg Gingera.

WED- Hort Club Meeting, Eloise Butler Wildflower Garden, car pool leaving from the headhouse at 6:00 p.m. There will be a guest speaker and time to take a hike around the garden.

THR- Faculty Meeting, 9:30 a.m., 394 AlderH.

HORT 8066, Research Proposal, Mary Foster, Graduate Student, 4:05 p.m., 394 AlderH.

FRI- M. Eisel Retirement Party today at the MN Landscape Arboretum, 4:00 p.m.

REMEMBER...Hort Club Spring Garden Sale, May 21-23, 9 am - 5 pm. SPSC. Plants available for sale include: annuals, unique perennials, wildflowers, lilacs, vegetables, blueberry plants, shade loving plants, ornamental grasses, herbs, hanging baskets. Come celebrate Spring with some new plants for your office, home and garden.

SEE POSTING.....on "Retirement Deduction Rate to Change in May", bulletin board across from the faculty mailboxes.

REQUEST For Senior Packet.....department has received 1 packet. This packet contains a Society informational brochure with an invitation to join the American Society of Agronomy (ASA), Crop Science Society of America (CSSA) and Soil Science Society of America (SSSA), placement service information and forms, and ARCPACS information and application procedures. Undergraduate and graduate students if you want one of your own, place your packet order with Evonne in the main office.

twig bender

Volume 10 - #20 -- May 22, 1992
Editor: Martha Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

May, 1992				
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<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>

WEEKLY CALENDAR May 25-29

MON- Memorial Day, University Holiday

WED- Department coffee hour, 9:30 a.m, 394 AlderH. Treats by Jerry Pierson and ?

SOIL NOTICE: We are temporarily out of the Baccto potting mix. A semi-load had been ordered and should be here sometime during the next two weeks. If you need soil during this time, please fill out a greenhouse work order and let us know what kind of soil mix you could use until the Baccto arrives. Thank you.

HEADHOUSE CLEANOUT. Sometime during the month of July the greenhouse headhouse will get a thorough cleanup. All benches, carts, pots; etc. will be moved out and floors and shelves will be swept and washed. Watch for further information in upcoming twigs.

The Safety Committee will be touring the greenhouse/headhouse faculty and the TRE/TURF SHEDS on Friday, May 29th at 2:30 if you know of any safety problems existing in your areas please take care of them. Remember all ag chemicals must be stored in the pesticide storage room. The safety committee will be looking for this violation. Thanks.

GRAD STUDENTS: If you have any degree forms that need GSC action, please turn them in to Evonne no later than May 28th as GSC does not meet much in the summer. Thanks.

Everyone is invited to help plant the Food Shelf garden plots. We will begin at 10 A.M. Sunday (5/24). After planting vegies, we will move on to planting flowers in front of Alderman. Annual bedding plants are courtesy of Mark Strefeler and Bob Mullin and their classes.

If you have vegetable seedlings to contribute to the Food Shelf garden, please put them in the cold frame between houses E & F. Look for the sign.

If you have questions for suggestions about either project, see Pam Sanders or Greg Gingera.

Dr. Olga Potapova arrived at the Department on May 18 from Moscow, Russia. She will work in the plant hardiness laboratory for the next 4 months. Her office is Room 364 Alderman Hall. You are welcome to meet her.

The Hort Club is sponsoring an ice cream social on May 29. It will be held on the front lawn (Folwell side) of Alderman Hall starting at 4 p.m. Everyone is invited and the winner of the T-shirt contest will be announced. Remember to put your designs in the Hort Club "Mailbox" by Wednesday, May 28.

Department Retreat scheduled for June 22, 8:00a.m.-5:30p.m. Details and agenda will be distributed to mailboxes via Al Smith.

Don't forget your contributions to Angies shower gift. You may give them to me, this weeks editor.

(OVER)

twig bender

Volume 10 - #21 -- May 29, 1992
Editor: Martha Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

June, 1992				
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WEEKLY CALENDAR June 1-5

MON- GSC meeting, 9:00-11:00 a.m., 398 AlderH.
UAC meeting, 11:40 a.m., 398 AlderH.

TUE- PBS Colloquium, Regulation of Alkaloid Production in Nicotiana glauca root cultures, Paul Burkhouse, 3:30 p.m., 306 Borlaug Hall.

WED- Safety Committee meeting, 9:00 a.m., 398 AlderH.

Coffee hour/shower, 9:30 a.m., 394 AlderH. If you would like to bring a treat for Angie's shower, please tell Martha. No one has been assigned treats for this week.

Thanks to all who helped make this year's Spring Garden Sale such a great success. We appreciate everyone's continued support in the form of purchases, donation and work. Special thanks to Mark Strefeler and Charlotte Herman for their extremely honorable leadership through it all!!! The U of M Hort Club.

T-SHIRT DESIGN WINNERS

1st place -- Janette Alml
2nd place -- Cindy Tong
3rd place -- Carter Lee Clapsadle

Thanks to our judges; Peter Ascher, Emily Hoover, and Kathy Lloyd for their judging talents for this event and to those who contributed designs. Remember, it's not too early to start working on next year's design!

On Tuesday June 2 at noon in Room 491 Borlaug, the Women in Agriculture lunch bunch is meeting with Dean Jones to discuss the needs and concerns of women in the college. Topics such as child care and flex time may be discussed. Everyone is welcome. See Emily Hoover if you have questions.

Congratulations to Martha Piechowski who has recently completed training to become an AFSCME union steward.

SPRING QUARTER FACULTY ASSEMBLY with Richard Jones, Wednesday, June 10, 1992, St. Paul Student Center Theatre, Continental Breakfast 9:30-10:00 a.m., meeting 10:00-12:00 a.m.

twig bender

Volume 10 - #22 -- June 5, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

COA COMMENCEMENT, Sunday, May 7,
2:40 p.m., Northrop Auditorium.

CONGRATULATIONS to our Master of Agriculture student, Beth Jarvis; Baccalaureate Degrees in Animal/Plant Systems will be awarded to: Greg Benoit (Swanson), Anthony Guggisberg (Swanson), Annette LeDuc (Strefeler); Ag Industries/Marketing to Lynette May (Swanson); Horticultural Science to Carter Lee Clapsadle (Ascher), D. J. Hanson (White), Shawn Herman (White), Tracy Jennings (Ascher), Troy Johnson (White), Duane Beyer-Kropuenske (Davis), Charles Miller (White), Eric Peterson (White), David Simeon (White), Thomas Zakoski (Hard). Duane Kropuenske is the Dean E. M. Freeman Certificate Recipient and President's Leadership Service Award recipient. Good luck from the department.

June, 1992				
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WEEKLY CALENDAR June 8-12

MON- Final Exam Week, Spring Quarter

Graduate Studies Committee, 9-11
a.m., 398 AlderH.

WED- COA Faculty Assembly, 10-12, SPSC
Theatre.

NOT - Department coffee hour. See
you and thanks to the contributors of
goodies!

THR- Extension Faculty Meeting, 9:00 a.m.
Regular Faculty Meeting, 9:30 a.m.
Graduate Faculty Meeting, 11:30 a.m.,
394 AlderH.

CATHEY TO VISIT (6/8-11).....Dr. H. Marc
Cathey, National Chair for Florist & Nursery
Crops Review, USDA Agricultural Research
Service will visit our campus/department to
discuss the research priorities for the Florist
and Nursery Industry. The luncheon speaker
(6/10) will be Dr. Harold Wilkins, The Future
is for the Wise to See. Agendas are available
from Kath Lloyd in the main office.

T-SHIRT SIGNUP....is located in the lobby on
the display window where you can view the
winning entry of the contest sponsored by Hort
Club. The shirts will be arrive during fall
quarter at which time you can pay for them.

FOR SALE.....couch and 3 chairs (colors:
cream, yellow, gold, rust). Good condition
(custom from Daytons). Contact Evonne 624-
4242 or 426-1227.

OPPORTUNITY....Chinese family (Jianyuan
Wang, wife, daughter) desiring to live with
American family in exchange for household
chores, babysitting, rent \$\$\$. Jianyuan speaks
& understands English. They require modest
accommodations for 3-6 months beginning
July. Benefits include a learning exchange of
cultural understanding. Contact Chris Hanson,
day 624-2780 or evenings 754-5735.

THANK YOUS...from Angie Klidzejs &
Gunar Bruvelis. "Thank you for the baby
shower. It was fun to see all of you there to
indulge in sweet treats. Also, thank you for
the great presents. Stefan will be a very classy
baby riding in his new car seat. His stuffed
toy is cut & may cause his parents some envy -
we can all share I guess. We can't wait to
bring Stefan in to show him off this summer &
to introduce him to his extended family here at
the U. Thanks again."

twig bender

Volume 10 - #23 -- June 12, 1992
 Editor: Kath Lloyd

Department of Horticultural Science
 305 Alderman Hall, St. Paul, MN 55108

June is National Fruit and Vegetable Month. Sweet fruit and crisp veggies are wonderful on a picnic, get out and enjoy nature this weekend and remember to take along the fruit and veggies (it's our business). Pre-press note: Cindy Tong has volunteered some interesting lettuce varieties for our lunches on Monday, Shirley's Kitchen - You bring the fixin's she'll bring the lettuce for all of us to share.

June, 1992				
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WEEKLY CALENDAR
 June 15-19

MON- 6/15/92 - **FCC**, Room 394 Alderman Hall, 9-11:30.

TUE- 6/16/92 - **Deadline** for turning in your grade to Evonne!

WED- 6/17/92 - Safety Meeting, Room 398 Alderman Hall, 9:00

Department coffee hour. How many of you want coffee hour continued during the summer? Please reply to **TWIG** mailbox. **Deadline** 6/17/92. Thanks.

THR- 6/18/92 - Phytograds Discussion, Room 398, 12-1.

Front Page Item: Thank you Neil Anderson for the beautiful arrangement for Dr. Cathey's reception-you truly are an artist. Also, kudos and words of thanks to all the people who helped set-up and clean-up after the reception on Wednesday. Special thanks to:

Lynette Budvig Gloria Gingera
 Laura McCann Judy Day

Cheryl Reese Jerry Pierson
 Tom Viker and The Chili King Greg Gingera

(Again, thanks for all of your help, with no complaints). Deb & Kath.

Announcing a Fall Quarter 1992 topics course in Sustainable Agriculture. "Sustainability, Ecology & Agriculture: An interdisciplinary Inquiry." Class meets from 1630 to 1745 on Tue and Thur. Course outlines are available in Rm 231, Cla Off or call Mark at 5-9710. See notice on board in foyer of Alderman Hall.

Dept. Vehicle Users note the following: Remember when using a department vehicle that you must return it with at least a half tank of gas. Also, if you have used the vehicle for field plot purposes you must vacuum it out when it is returned. When fueling up please check the oil and add oil if needed. If any of these tasks are NOT completed before turning in the keys the PROJECT WILL BE FINED \$50.00. Submitted by Roger Meissner

HOW BUSY IS YOUR DAY? Take this quiz and find out.

On a typical day I have to...	yes	no
Manage the household	—	—
Work outside of home	—	—
Take kids to school	—	—
Attend school myself	—	—
Shop for groceries	—	—
Prepare lunches	—	—
& other meals	—	—
Run errands	—	—
Climb Mt. Everest	—	—

"YES" TOTAL _____

Scoring (1 pt. for each "yes" checked)
 1 - 2 points **BUSY**
 3 - 4 points **VERY BUSY**
 5 - 8 points **EXTREMELY BUSY**

Submitted by (Anne Hanchek (she got 8 pts - with notes in the margins!))

twig bender

Volume 10 - #24 -- June 19, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

June, 1992				
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29	30	1	2	3

WEEKLY CALENDAR June 22-26

MON- Department Retreat, 8:15 a.m. to 5:00 p.m., Minnesota Landscape Arboretum.

FRI- Faculty Consultative Committee meeting, 9:00 a.m., 398 AlderH.

CONTRACT PARKING space available (July), see Evonne for details.

ANOTHER THANK YOU....for help with Dr. Cathey's reception. The wonderful jazz music was supplied by Kathy Kittelson - thanks! Kath Lloyd and Deb Schwarze.

LOST....set of keys to 3471. Please return to Roger Meissner if found.

EXTRA, EXTRA, READ ALL ABOUT IT.....CSRS Review documents are on the self across from faculty mailboxes. Pick one up if interested.

TRE Nursery Program is hosting a Field Day on July 8 from 9-4. Nursery, turf, floriculture and vegetable research will be on display for University personnel and students, industry members and potential students. Hop the hay wagon and enjoy the tour.

REGIONAL MASTER GARDENER CONFERENCE....July 16,17,18 & 19. A wide range of interesting and educational events are planned for groups from Minnesota, Iowa, Wisconsin, Nebraska, North Dakota and South Dakota. Pre-conference opening event will dinner and a production of "South Pacific" at the Chanhassen Dinner Theatre (\$33.50). Kathy Lloyd has conference brochures (624-5300).

twig bender

Volume 10 - #25 -- June 26, 1992
 Editor: Evonne Kuyper

Department of Horticultural Science
 305 Alderman Hall, St. Paul, MN 55108

AIR DATE....June 28, 9 am & 9 pm, Channel 6 MCN, Pesky Plants: poison ivy, stinging nettles, burdock, purple loosestrife - plants you love to hate.

June, 1992				
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WEEKLY CALENDAR
 June 29 - July 3

MON- Graduate Studies Committee, 9-11 a.m., 398 AlderH.

Environmental Hort Curriculum Committee, 1:45 p.m., 398 AlderH.

WED- Canada Day

Department Safety Committee, 9 a.m., 398 AlderH.

FRI- University Holiday

OFFICE STAFF VACATION/LEAVES....for July are as follows:

Angie Klidzejs	today to August 31
Evonne Kuyper	June 30-August 14
Martha Piechowski	June 29-July 2
	July 20-31
Kath Lloyd	July 6,15
Lynnette Brudvig	July 8,22
Fernande Rodgers	July 15,31
Laura Kalisch	July 20-24

ELECTION RESULTS.....
 Graduate Student Officers
 1992-93

President	Greg Gingera
GSC members	Julia Bohnen Mary Foster Gerard Engelen (ALT)
Council of Grad Students	Gerard Engelen
Faculty Meeting Rep	Mary Foster
Seminar Committee Rep	Sarah Ohmann
Computer Committee Rep	Ken McNeil
AlderH Project Coord.	Maria Janssen
Card Fund Coord.	Karl Sauter
Social Committee Rep	Steve Lund Cheryl Reese
Public Relations Rep	Ken McNeil

REMINDER....to garden plotters of the July 8 TRE Nursery Field Day. All garden plots must be weeded prior to July 6. Thank you from the Garden Plot Committee.

RETIREMENT PARTY.....celebration honoring the careers of Bob Mullin, Gus Hard and Merv Eisel has been scheduled for Friday, October 16. Please mark your calendars now and plan to attend. Details will be supplied in the near future.

The walk-in coolers (#368, 370 & 372) are being used for postharvest research experiments. Please do not leave the lights on or change the temperatures of these coolers as it mucks up our experiments! Cindy Tong.

THAT'S ALL FOLKS

twig bender

Volume 10 - #26 -- June 26, 1992
Editor: Kathleen L. Lloyd

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

LET'S TELL ONE OTHER PERSON ABOUT THIS! July 12, 9 am & 9 pm, Channel 6 MCN, Home Landscape Ideas: Join us on location in the Minnesota Landscape Arboretum's Home Demonstration Gardens. GET THE INFO OUT TO THE PUBLIC, it helps everyone's project.

SUMMER Field Day at the West Central Experiment Station (July 9, 1992), Highway 329, Morris. For more information, call (507) 835-3620,

July, 1992						
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WEEKLY CALENDAR July 6 -July 10

THUR - 7/9 - Faculty Meeting RM 394

OFFICE STAFF VACATION/LEAVES....for July are as follows:

Angie Klidzejs	today to August 31
Evonne Kuyper	June 30-August 14
Martha Piechowski	July 20-31
Kath Lloyd	July 6,15
Lynnette Brudvig	July 8,22
Fernande Rodgers	July 15,31

University Holiday July 3, 1992 - Happy Holiday

OICD Scientific Exchange Program - Dr. David Kincaid, Senior Science Advisor, OICD, has potential opportunities for U.S. scientists to participate in the FY-93 OICD Scientific Exchange Program. See Kathy for info.

RETIREMENT PARTY.....celebration honoring the careers of Bob Mullin, Gus Hard and Merv Eisel has been scheduled for Friday, October 16. Please mark your calendars now and plan to attend. Details will be supplied in the near future.

FIELD EQUIPMENT UPDATE: Please report all problems and breakdowns of field equipment to Roger. Also, when using the John Deere tractor and Troy-build tiller, make sure that you fill in the information needed in the log books. These two pieces of equipment do not run on air. Please make sure gas cans and tank are filled.

CHANGES TO GRADUATE STUDENT OFFICERS: Faculty Meeting Rep is Sarah Ohmann. Seminar Committee Rep is Jan Backlund. Submitted by Greg Gingera.

ATTENTION: The University of Minnesota TRE Nursery Program will sponsor a Field Day for Nursery, Garden Center, Landscape, and Turf Professionals on July 8, 1992, 9 A.M. to 4 P.M. (Lunch on your own). Shuttle to Field Plots.

TWIG has information on Leafy Vegetable Conference on September 14-16, 1992, at the Casa Munras Garden Hotel in Monterey, California.



*Return Permit #348
IMMEDIATELY to Kath Lloyd,
The Hound of Baskervilles are
on your trail!*

BABY RESULTS
Stefan Gunar Bruvelis
July 1, 1992

***THE winners of the Baby Contest
are (guessing weight & date):***

Dr. White - weight

Greg Gingera - date

***Both of these gentlemen have
contributed their winnings to
Stefan. Thank you both!***

twig bender

Volume 10 - #27 -- July 10, 1992
Editor: Martha H. Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

TODAY, July 10, *Alterations of Free Abscisic Acid Content in Relation to Potato Cold Hardiness Development* by Stephen B. Ryu, 1:30 p.m., 394 AlderH.

July, 1992				
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WEEKLY CALENDAR July 13 - July 17

MON- FCC Meeting 9:00 a.m., 398 AlderH.

Rejuvenation and Micropropagation of Disease Resistant Chestnut Hybrids, Dr. Antonio Ballester, Institute of Agrobiolgy, Galicia, Spain, 11:00 a.m., 394 AlderH.

WED- Department Safety Committee Meeting, 9:00 a.m., 398 AlderH.

Crops and Soils Day at the Northwest Experiment Station, Crookston. For more info. call (218) 281-6510, ext. 462.

THU- Annual Visitors Day and Wild Rice Tour at the North Central Experiment Station, Grand Rapids (2-4 p.m.) for more info. call (218) 327-4490.

Evonne Kuyper and Angie Klidzejs, recuperating from surgery and childbirth respectively, wish to thank the Department for the beautiful flowers bestowed upon them.

We wish them both a leisurely recovery and we'll try to hold down The Fort without them for the time being.

An International Leafy Vegetable Conference will be held September 14-16 at the Casa Munras Garden Hotel in Monterey, CA. The Conference is sponsored by the U.S. Agricultural Research Station, USDA-ARS, Univ. of CA Cooperative Extension, California Iceberg Lettuce Research Advisory Board, and the California Celery Res. Advisory Board. Those interested in attending the meetings should contact the Planning Committee Chair, Edward J. Ryder, U.S. Agricultural Research Station, 1636 Alisal St., Salinas, CA 93905. (408) 755-2860, 755-2813.

For a short period of time **Addressing & Mailing** will upgrade your address lists with a Zip+4 code and run a duplicate name check at no cost to the department. Lists must be sent on 5 $\frac{1}{4}$ " or 3 $\frac{1}{2}$ " IBM compatible diskettes. This is an opportunity to clean up your files at no cost to you. Lists must be received by July 31st to be processed free of charge.

The **Regional Master Gardener Conference** is taking place July 16, 17, 18 & 19. There are numerous workshops, lectures and tours planned including a picnic at the Arboretum and a keynote address by Jim Gilbert. The pre-conference opening event is the Chanhassen Dinner Theater's production of "South Pacific". See Kathy Lloyd for a conference brochure. Anne Hanchek.

Note to Janitor: Do Not close the windows. We are responsible for that.

MAIL SERVICE - Campus early a.m. & p.m.
- U.S. one pick up & delivery per day from the Como Station.

OVER

1992-93
UNIVERSITY RENTAL RATES

CATEGORY	MINIMUM(1)	DAILY	WEEKLY	MONTHLY	MILEAGE(2)
Compact Sedan	\$18	\$26	\$145	\$435	\$0.12
Inter. Sedan	19	28	155	465	0.12
Full Size Wagon	22	33	185	555	0.15
7 Pass Mini Van	22	33	185	555	0.15
Cargo Van	21	31	170	510	0.22
5 Pass. Van	22	33	185	555	0.22
8 Pass. Van	25	37	205	615	0.22
15 Pass. Van	29	43	235	705	0.22
1/2 ton Pickup	20	30	165	495	0.22
4X4 Pickup	20	30	165	495	0.32
Stake Truck	33	49	270	810	0.56
Furniture Van 12'	33	49	270	810	0.40
Furniture Van 18'	35	52	285	855	0.56

(1) A minimum is any period of four(4) hours or less. It is not charged in conjunction with another period charge: it is charged only if the vehicle has been out less than a day.

(2) University rental vehicles are not charged for gas. Each vehicle is issued

two gas cards with the keys; one is for the gas pumps located behind the Holman Building, the other is a Universal gas card, which is to be used only when not in the area. The Universal card can be used at any station whose brand is displayed on the back of the card.

Other Possible Charges

- **Insurance Deductibles**—Insurance coverage is supplied with all rentals. The University vehicles have a \$250.00 deductible on collision and comprehensive. Glass breakage has a \$100 deductible.
- **Cancellations**—A minimum charge will be charged to any party that does not cancel at least 24 hours in advance.
- **Late Fee**—If the vehicle is brought back later than originally scheduled without the prior approval of Vehicle Rental and this results in an inconvenience to the next user, the current user will be charged for the extra time, plus an additional \$5 an hour up to a maximum of \$40 a day in late fees.
- **Fuel Cards**—There will be a \$10 charge for all fuel cards not returned.

VEHICLE RENTAL REQUIREMENTS

Reservations require the following information:

Which Campus
(Mpls. or St. Paul)
Date and Time of Pickup
and Return
Department Name
Authorizing Person
Contact Person

What Type of Vehicle is Needed
Destination
CUFS Account Number
Authorizing Person's Phone
Number
Contact Person's Phone
Number

- No vehicle will be dispatched without the necessary approval(s) and documentation.
- All drivers must be on the University payroll. If not, they must be a student or volunteer with written permission from the head of the using department. All drivers must be at least 19 years of age and have a valid driver's license from one of the fifty states or Canada. We accept restricted driver's licenses. The person picking up a vehicle must present their driver's license. All other drivers must have their name and driver's license number on the rental agreement.
- The only passengers allowed in any vehicle are

those on official University business. No exceptions!
• All accidents must be reported, whether or not there was any damage done to the University vehicle. Renters are liable for all damage to the vehicle, whether or not it is accident related. Fleet Services will only reimburse the cost of damages when an accident report is filed and the claim is approved by insurance.

- If you have any questions please feel free to call Vehicle Rental at 625-3033. Our office hours are from: 7:45AM-Noon, 12:45PM-4:30PM Monday through Friday.

LEASING

Lease rates are available for departments willing to commit to a period of one year or longer. The monthly charge is roughly 50% of a similar vehicle's monthly rental period

charge. Mileage rates are the same. Any type of vehicle can be leased. Three month's notice to start and end a lease must be given. Any type of vehicle can be leased.

twig bender

Volume 10 - #28 -- July 17, 1992
Editor: Martha H. Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

Blueberry "pickin" time is here. Pickers are still needed for July 25. Sign up in the back hallway. Picking will start at 9:00 a.m. sharp. Directions to Becker are on the sign up sheet.

July, 1992				
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WEEKLY CALENDAR July 20-24

MON- BLUE MONDAY, Coffee Hour 9:30 a.m., Room 394. Blueberry pickers, please bring your blueberry specialty to share and I will bring the coffee - Kath Lloyd (I'll also bring blueberries and cream!) Everyone welcome. Come join us for a little summer fun.

COMING UP: July 27, 9:30 a.m., "Incongruity in the progeny of interspecific crosses of Vitis", Debby Filler, Ph.D. defense seminar.

CASH is needed for the flower fund. Please consider giving if you haven't done so in awhile. Kathy is accepting contributions.

VACATIONS for July:

Laura Kalisch July 17-24
Martha Piechowski July 20-31

POSITION OPENING - The Minnesota State Horticultural Society is currently seeking a part-time Products Coordinator to oversee all sales of horticulture related merchandise. Contact MSHS for more information. 161 Alderman 624-7752.

ONCE AGAIN we are experiencing problems in Dishwashing Room 278. Please remove dishes and carts as soon as you are through using the autoclave, dishwasher, etc. These items are not to sit there for days. Too many labs use this room for some people to use it as a storage facility. Thanks.

CONSTRUCTION WARNING! Renovation of 435 Alderman may resume on July 23. If so, it will continue into August.

I would like to thank everyone in Horticulture for the beautiful flowers and your support following the loss of my father. **Jocelyn Ozga.**

OVER

Honolulu Hoopla

Going to Honolulu?

inexpensive dining in Waikiki: hotel buffets
Japanese noodle shops
Moose McGillicuddy's Pub
Hamburger Mary's (homophobes - avoid the bar)
Wailana Coffee Shop

places to visit in Waikiki: Honolulu Aquarium

to get out of Waikiki sans auto: take TheBus; #2 to Liliha or School St. takes you to downtown; costs 60 cents

cheap eats on Oahu: Royal Garden, China House, Hee Hing (dim sum)
Ono Hawaiian Food
California Pizza Kitchen
Siam Orchid, Mekong, Maple Garden, King Tsin
Zippy's (local fast food joint)

not-so-cheap eats on Oahu: Kyo-Ya
Roy's (\$\$\$\$, make reservations)

places to visit on Oahu: Hanauma Bay (great place for snorkeling
- parking hard to come by after 9:30 AM)
Foster Gardens
Queen Emma Summer Palace
Honolulu Academy of Art, Contemporary Museum
(great drive up Tantalus), Bishop Museum
Pearl Harbor, Punchbowl Memorial Cemetery
Sea Life Park (\$\$), Waimea Falls Park (\$\$)
Polynesian Cultural Center (\$\$)
Dole Cannery
Univ. of Hawaii: Lyon Arboretum, East-West Center
Chinatown

hiking on Oahu: Aiea Loop Trail, Jackass Ginger, Diamond Head

shopping on Oahu: Ala Moana, Pearlridge I & II, Kahala Mall, Ward
Warehouse

food to try: shave ice with azuki beans & ice cream
Portugese sausage

twig bender

Volume 10 - #29 -- July 24, 1992
Editor: Kath Lloyd

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

Dave Olson. Latest information is that Dave will be transferred to a regular hospital room sometime this coming week. **No visitors or calls until Mary says so.** Department will send flowers as soon as we know. Still waiting for biopsy. Dave came through the operation with his personality intact and joking that he had to get back to work. That's our Davey.

John Murray - thank you. You are a good friend and a credit to our department. Enough said, I don't want to embarrass John too much.

July, 1992				
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WEEKLY CALENDAR July 27-31

- MON- July 27, 9:30 a.m., "Incongruity in the progeny of interspecific crosses of Vitis", Debby Filler, Ph.D. defense seminar.
- TUE- GSC Room 398 Alderman Hall 9 - 11.
- WED- Laura McCann's going away party Room 394 Alderman Hall, 9:30 to ?
- THUR- Phytograds Discussion. 12-1:00, Room 398 Alderman Hall

VACATIONS for July: Martha Piechowski
July 20-31

* * * * *

CASH is needed for the flower fund. Kath is accepting contributions.

* * * * *

Don White is a grandfather AGAIN - Don says that that makes 6 now! Latest addition is a baby boy - Torrie Jay White. Born last Thursday. He was 7 lb. 12 oz. and looks like his mom.

* * * * *

LOST^^LOST^^ LOST ^^LOST^^LOST^^
Can you help John Carter find this?

"I'm missing my copy of Plant Cell, Vol. 3, No. 1. If I lent it to you and you still have it, please return it. My kids have left home so I have no one else to blame. Thanks."
John Carter.

* * * * *

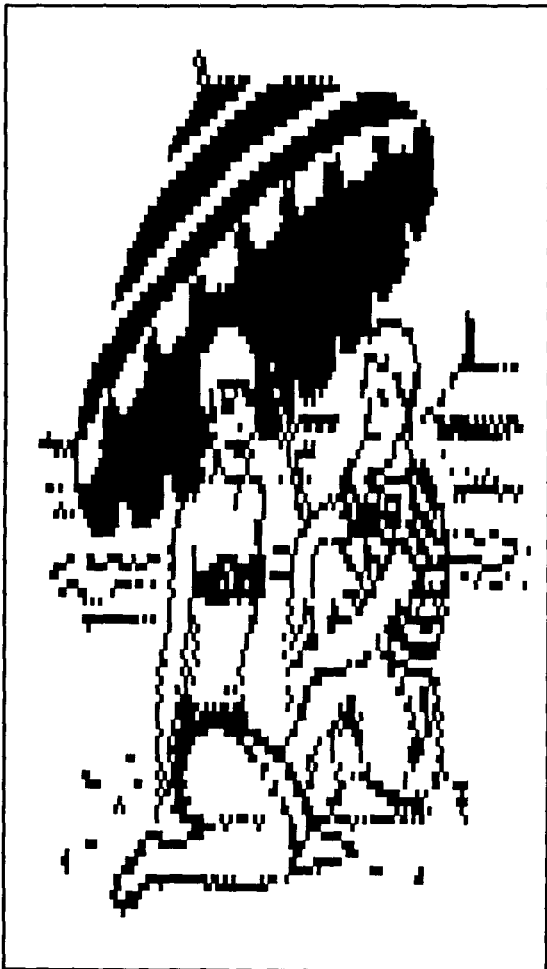
August 12-14 the Arboretum is sponsoring the eighth annual Herb Symposium. Topics range from a herb primer to a variety of cooking demonstrations, herbs for beauty & landscape and floral design. A special herbal luncheon will be served along with samplings and a book-signing session by authors and much more.

* * * * *

Special T.V. Shows - July 26 - Air date: 9 a.m. & 9 p.m. Channel 6 MCN, title: **Season Extenders**: Get the most out of the growing season with these techniques for extra-early and extra-late harvests.

* * * * *

Blueberry "pickin" time is here. Pickers are still needed for July 25. Sign up in the back hallway. Picking will start at 9:00 a.m. sharp. Directions to Becker are on the sign up sheet.



* * * * *

PLEASE HAWAII TRAVELERS LET KATH KNOW YOUR SCHEDULE. IT'S TOUGH TO KNOW WHAT TO SAY TO THE PUBLIC WHEN I DON'T KNOW WHERE YOU ARE. DOUBLE THANKS - I OWE YOU A DOZEN COOKIES! - KATH L.

* * * * *

The Twig

Volume 10 - #30 -- July 31, 1992
Editor: Kath Lloyd

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

Dave Olson. Better, much better. Waiting to see when the doctor will let him come to work.

PHONEBOOK RECYCLING WEDNESDAY, AUGUST 5. Flyers will be put in your boxes, please read them and FOLLOW THE INSTRUCTIONS. Thank you.

August 1992							
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WEEKLY CALENDAR August 3-7

ASHS meeting in Hawaii, Sunday August 2, to Thursday, August 6.

WED- August 5
9:00-10:00 Safety Meeting, Room 398
Pseudo Luau, Room/place undecided, 12:00-??.

Please tell Kath Lloyd (305 Alderman) who the representative is for **PI ALPHA XI**, we have important mail for them.

Hort 3003 is scheduled for 1250-1340 MWF - LECTURE. LAB - is 1145-1340 TH (This is a correction!)

Twig Reminder: Faxes fade with age - xerox to save!

Next GSC meeting is 9 a.m., 398 Alderman Hall, August 17, 1992.

Heidi Mickelson completed her requirements for her Masters on 7/24/92.

Debby Filler is now addressed as Dr. Filler. Debby passed her finals on 7/27/92.

Congrats lovely ladies, good luck with your future in horticulture.

Summertime reminder: A purse was stolen on 4th floor - remember to lock-up valuables (The lady was out of her office for only 10 minutes!)

Correction: Don White is a grandfather AGAIN - Latest addition is a baby GIRL - Torrie Jay White. Born last Thursday. She was 7 lb. 12 oz. and looks like her mom.

It's State Fair time again -- University Relations is asking for volunteers to staff a booth in four-hour shifts. Volunteers receive free admission and you get to wear the Goldy Gopher costume at the booth. Call 624-4160 ask for Mike Tracy or call Michelle Wren 624-6868 for more information.

* * * * *

Blueberry "pickin" time is here. Pickers are still needed for **AUGUST 8 (LAST PICK)**. Sign up in the back hallway. Picking will start at 9:00 a.m. sharp. Directions to Becker are on the sign up sheet.

* * * * *

CASH is needed for the flower fund. Kath is accepting contributions.

* * * * *

The Minnesota State Horticultural Society is currently seeking a part-time Products Coordinator to oversee all sales of horticulture related merchandise. Contact MSHS for more information, 161 Alderman Hall, 624-7752.

* * * * *

August 13 - Annual Irrigation Field Day at the Central Minnesota Demonstration Research and Irrigation Center, Staples Technical College, Airport Road, Staples, Mn 56479. For more information, call (218) 894-1053.

* * * * *

CONGRATULATIONS to Peter Ascher for 25 (that would be a quarter century) action-packed, fun-filled years of academic life. The silver lining of those clouds of ideas have "cumulated" you with the energy to outdistance yourself in the next 25.

* * * * *

The Twig

Volume 10 - #31 -- August 7, 1992
Editor: Martha H. Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

The "Pickins" are definitely not Slim. Last blueberry picking of the season on Saturday at Becker. Thanks to Jim Luby and the blueberry crew for the opportunity to test our fortitude in the field.

August 1992							
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WEEKLY CALENDAR August 10-14

THURS- The Chief is back.

NEW COURSE ANNOUNCEMENTS, Fall 1992, Plant Pathology 5750, Plant Disease Diagnosis, 3 CR.
Soil 8400, Advanced Topics in Soil Fertility, 3 CR.

Possible FUNDING source. Title: Low-Input Sustainable Agriculture. Deadline date: September 4, 1992 for preproposal. Please call Ruth Sanborn at 635-4211 for application form.

Information on the OICD SCIENTIFIC EXCHANGE PROGRAM for FY-93 is available from the Twig Bender editor.

An International Leafy Vegetable Conference will be held September 14-16 at the Case Munuras Garden Hotel in Monterey, CA. The Conference is sponsored by the U.S. Agricultural Research Station, USDA-ARS, Univ. of CA Cooperative Extension, California Iceberg Lettuce Research Advisory Board. Those interested in attending the meetings should contact the Planning Committee Chair, Edward H. Ryder, U.S. Agricultural Research Station, 1636 Alisal St., Salinas, CA 93905. (408) 755-2860, 755-2813.

EIGHTH ANNUAL HERB SYMPOSIUM, Minnesota Landscape Arboretum, August 12, 13, & 14. Registration form available from Twig Editor.

GRADUATE SCHOOL EMERGENCY TUITION SCHOLARSHIPS. Tuition scholarships of 50% on single-quarter basis will be available to doctoral students in "serious financial difficulty" who meet the following criteria: 1) must have completed all degree requirements except the thesis; 2) must be registering only for thesis credits in order to defer loan payments. Applications must be made by the Friday preceding the first week of classes for each quarter. For fall quarter the application deadline is September 18. Interested students should contact their Director of Graduate Studies for further information.

OVER

The Twig

Volume 10 - #32 -- August 14, 1992
Editor: Martha H. Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

August 1992							
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WEEKLY CALENDAR August 17-21

MON- Graduate Studies Committee, 9:00-11:00 a.m., 398 AlderH.

SEMINAR: "Finding the Function of Transcription Factors in Plants", Cathie Martin, John Innes Institute, England, 3:30 p.m. Rm 335 Borlaug Hall.

WED- Safety Committee Mtg., 9:00 a.m., 398 AlderH.

THU- Faculty Meeting, 10:00 a.m., 394 AlderH.

PLEASE NOTE: New pager # for Roger Meissner is 538-5670.

FOUND: Key for bicycle lock with ID and name. See Kathy Lloyd at the receptionist desk.

The 1992 College of Agriculture Faculty Retreat will be held on Monday, December 14, 1992 at the Minneapolis Metrodome Hilton Hotel located at 1330 Industrial Boulevard, Minneapolis.

IMPORTANT NOTICE TO FEDERAL EXPRESS USERS. Every time you call in for a Federal Express letter/package you are charged \$2.50. There is a way to cut out this extra \$2.50 charge by dropping it in the Federal Express bin on campus. The bin is located along the back entrance of the Student Center cafeteria (the loading dock). The pickup of the day is at 5:30 p.m. When you are unable to deliver it there yourself you can bring your Federal Express letter/pak to 305 Alderman Hall by 3:00 and we will drop it in the box for you. When you use the drop box DO NOT PHONE IN YOUR REQUEST.

Please welcome Gary Johnson, a new Assistant Specialist in Urban and Community Forestry in the Minnesota Extension Service, who is located in 330e Green Hall, to the University community. He will be leading the development and implementation of interdisciplinary educational programming in collaboration with faculty in several departments and with natural resource agencies.

North Central Experiment Station Horticulture Tour, Wednesday, August 26, 1992, 3:30-6:30 p.m. Everyone Welcome!

The Twig

Volume 10 - #33 -- August 21, 1992
Editor: Martha H. Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

August 1992							
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30	31						

WEEKLY CALENDAR August 24-28

- WED- Horticulture Night at the North Central Experiment Station, Grand Rapids. For more information call 218-327-4490.
- THR- Phytograds Discussion, 12:00-1:00 p.m. in Rm. 398 AlderH.

Everyone please make note of the information in your boxes today about the street intersections closed during STATE FAIR time. By and large, access to the campus is not a problem for us working here. You may want to take extra precautions in overseeing your research plots and equipment in the field at this time of year because the campus police can't be everywhere.

THE FOURTH NATIONAL PESTICIDE CONFERENCE, Richmond, Virginia, November 1-3, 1993. For more information contact Diana L. Weigmann, Conference Director, Virginia Water Resources Research Center, V.P.I. and State University, 617 North Main Street, Blacksburg, VA 24060-3397. 703-231-5624, 703-231-6673 (FAX).

A special information day for Minnesota members of the CENTER FOR DEVELOPMENT OF HARDY LANDSCAPE PLANTS is planned for Sunday, September 13 beginning at 1:30 p.m. in classroom #1, Snyder building, Minnesota Landscape Arboretum. Please mark your calendars and plan to attend. Bring your gardening friends who might be interested in joining the Center.

WORK/RESEARCH POSITION WANTED: I am a University student having designed my degree in Agricultural and Food System Sustainability. My degree focuses on some of the relationships between farmers, consumers, industry, researchers, and policy-makers, and the issues that these relationships can create. As a part of my learning, I would like to gain some "hands-on" and/or research experience related to sustainability concerns in crops, livestock, food, and/or policy making. St. Paul Campus preferred. Available early mornings, mid-days, and evenings. Work study available. Please contact **Evrett Lunquist** at 722-6395.

There is a full-time receptionist position open for the Minnesota State Horticultural Society, Rm 161, AlderH. For a position description contact the Society at 624-7752.

Bea, Dave, Mary and Dan Olson thank the department for the lovely foral arrangement sent in memory of John Olson.

Please be sure and lock areas of the building that you use at night. The xerox room was found unlocked last week by the security division.

The Twig

Volume 10 - #34 -- August 28, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

August/September, 1992				
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<u>31</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>

HORT/LAND ARCH COFFEE HOUR....to commemorate our years of close association and a toast to L.A.'s future. September 11 marks moving day for our friends in Landscape Architecture from St. Paul Campus to Minneapolis Campus. Coffee will be Wednesday, September 9, 9:30 a.m., 394 AlderH. Treats provided by Landscape Architecture.

PROMOTION ANNOUNCEMENT....Mark L. Brenner's new title is "Associate Vice President for Research" along with his Associate Dean of Graduate School responsibilities. We are happy to see he has kept his "Professor of Horticultural Science and Plant Biology" title on his calling cards. Congratulations! (*Stop by sometime*).

WANTED.....TA for Woody Plant Materials (Hort 1021), Fall Quarter....contact Harold Pellett immediately if interested (443-2460 X735).

OUT WITH THE OLD....in with the "older". This urgent plea is to graduate student advisors; next time you are walking past the graduate student rogue's gallery, take note there are several students who have not had their picture taken. It would be nice if new incoming graduate students arriving this fall could see that we have as many good-looking, intelligent and fashionable graduate students as we do. Please

ask your students to turn in a picture to Evonne before September 11. Thank you....Greg Gingera, El Presidente.

GRADUATE SCHOOL GRANT-IN-AID of Research, Artistry and Scholarship application forms are available from Laura Kalisch. Deadline for applying is October 5.

PUBLICATION ANNOUNCEMENT...a book with the title: "Zhi wu xi bao yuan sheng zhi yan j'iufang fa" [Methods for studying the plant cell protoplasm], 319 p., authored by Ed. Stadelmann, et al. and edited by Dean Jian-Kun Wei, written in Chinese, published by Hebei Science & Technology Press, Shijiazhuang (Hebei, China). It contains translations of papers, book chapters and sections of other publications which came out from Dr. Stadelmann's lab. Dr. Stadelmann received a few copies of the book and everyone is welcome to take a look at it.

LUCKY FISHERMAN...Big Ole, Lars and Sven decided to go fishing one day. They decided on the way to the lake that whoever caught the first fish would have to buy the beer when the expedition was over. Now, you're not likely to find three people who are closer with a buck than this trio of Norsemen. They're downright cheap. As luck would have it, after three hours of fishing, Ole had a strike and boated a pretty nice fish. You could tell it was kind of a bittersweet victory, as he thought about the beer he was going to buy. Kind of a sickly smile came across his face as he held up his catch and muttered, "vould yew look at dat, Ay caught a fish vidout putting any bait on de hook." The other two roared with laughter, "dat's vhat yew get fur putting a hook on."

The Twig

Volume 10 - #35 -- September 4, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

September, 1992				
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WEEKLY CALENDAR

MON - Labor Day - Holiday - Party at Bud Markhart's home (details below)

TUE - CSRS Review Coordinating Meeting, 1-3 p.m., 398 AlderH.

WED - Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Landscape Architecture.

Graduate Studies Committee, 1-3 p.m., 398 AlderH.

THR - Faculty meeting, 9:00 a.m., Extension faculty meeting, 11:00 a.m., 394 AlderH.

PARTY TIME....Monday, September 7 from 2 p.m. to a reasonable hour!!! at BBBB Markhart's home, 4593 Shady Lane, White Bear Lake (426-8851 for directions). Lots of fun activities, bring a dish to share, your family/friends, drinks provided. See you there.

UMBRELLA, umbrella...Kath's got an umbrella. Describe it and where it was lost and it's yours for claimin'.

RECUPERATING....at home is Dr. Widmer who had surgery on his hand. No bowling til 1993!

UPDATE.....on Dave Olson. A birdie told us he's really hungry for a corn dog from the State Fair. Anyway, he should be home soon so send your greetings to: Route 1, Box 151, Cushing, WI 54006. Everyone in the office says "Hi, Dave".

RETIREMENT PARTY is October 16 for Bob Mullin, Merv Eisel and Gus Hard. Put it on your calendar now....details coming soon.

ANYONE MISSING....a copy of Basic Gas Chromatography by McNair and Bonelli? See D.W.Davis.

WELCOME BACK...to Angie Kidzejs who is back full-time in the accounting office. It's great to have her back and a visit from Stefan and proud daddy also.

BIKER TATTOO....Big Ole was on a recent trip to the Black Hills along with the other local bikers to participate in the annual motorcycle rally. Ole came back sporting a brand new tattoo on his stomach that reads "Mom". I asked him why he had the artwork needled onto this stomach instead of his chest. "Vell, dere is vone heck uff a lot more room on my tummy den dere is on my chest," he explained. "And besides, dey didn't haf to charge me for de "O", it was already dere."

The Twig

Volume 10 - #36 -- September 11, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

September, 1992				
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21	22	23	24	25
28	29	30		

PRELIM EXAM DATES....for 1992-93 are:

October 8
November 12
January 14
February 11
April 8

Graduate students reserve these dates now on your calendar!

WEEKLY CALENDAR

MON- CSRS Review Meeting, 12:30 p.m., 398 AlderH.

TUE- Fall Field Day, West Central Experiment Station, 8 to 12 noon, field tours, clinics, displays and special clinics, Highway 329, Morris, MN (612-589-1711).

WED- Department coffee hours, 9:30 a.m., 394 AlderH. Treats by Judy Day and Betsy Zimmerman.

Undergraduate Affairs Committee, 10:30 a.m., 398 AlderH.

Fall Field Day, Southwest Experiment Station, 8:30-2:00, Lamberton, (507) 752-7372.

THR- Grad Student Brown Bag Lunch, 12-1, 394 AlderH. Pop & dessert provided.

Corn and Soybean Field Day, Southern Experiment Station, Highway 14 West, Waseca (507) 835-3620.

FRI- IR-4 meeting, 8:30 a.m., 398 AlderH.

UPCOMING MEETINGS/EVENTS.....

September 23 - FCC, 8:30
September 23 - Orientation Day, 1-4
September 24 - Fall Quarter begins

HRC APPLE HOUSE.....(located 1 miles west of the Minnesota Landscape Arboretum on Hwy 5) is open with a good selection of mid-season varieties. Call 474-9440 for a recorded list of varieties available each week. While you're there, pick up some caramel apples. Hours are 10-5 M-F and 10-6 Sat & Sun. It's beautiful out there this time of year...be sure to visit the MN Landscape Arboretum while you're there.

COA FACULTY ASSEMBLY MEETINGS . . . for 1992-93, December 10, March 17 and June 9.

VOLUNTEERS NEEDED....next week (Sept 21-25), provided it doesn't free for the annual field evaluations of chrysanthemums. Hybrid seed lines are rated for their consumer preference. Pick up a rating from in the box near the faculty mailboxes next week and follow the instructions. Everyone is invited to participate. You don't have to be affiliated with the department to participate. Questions? Contact Neil Anderson (624-3631) or Peter Ascher (624-9762).

FOR SALE....two 35mm SLR cameras. Great project cameras, older models with original owner's manual and accessories. Contact Gerard Engelen at office, 380 AlderH, 624-0736 or 644-6397 home.

ANNOUNCEMENT. Xi Chapter, Sigma Delta Epsilon/Graduate Women in Science, Annual Travel Awards, 1992-93, Agnes Hansen Award - applications due October 1, 1992. See posting across from grad mailboxes.

IMPORTANT NOTICE....anyone storing files on the hard drives of the IBM's in the 2nd floor computer room should get their files onto disks immediately. The hard drives will be cleaned on Friday, September 18 and weekly thereafter. Thank you. The Computer Committee.

CARLSON LECTURE....September 30, 12:15 p.m., in Northrop Auditorium, The Rev. Jesse Jackson will deliver the speech. It is free and open to the public, but tickets are required. Send self-addressed envelope to 307 Humphrey Center (limit 2 per person) or pick up tickets at Coffman Union information desk or at the St. Paul Student Center.

EXCHANGE PROGRAM....with the German Academic Exchange Service (DAAD) is please to announce that the U of MN and the German Academic Exchange Service will continue their reciprocal exchange agreement for the 1993-94 academic year. Through the program, DAAD offers the University the possibility of a Direktstipendium for two advanced graduate students to conduct research in the Federal Republic of Germany. In return, the University will offer support to two qualified German students nominated by DAAD for graduate study at the University of Minnesota. Application deadline is October 1, 1992, details from the Graduate School Fellowship Office, 422 Johnston Hall, 625-7579.

The Twig

Volume 10 - #37 -- September 18, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

September, 1992				
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28	29	30		

CSRS External Review.....schedule has been changed. The review team will be here the week of december 14. Please mark your calendars now and make your plans according to the new time frame.

WEEKLY CALENDAR

TUE- Environmental Horticulture Committee, 9:30-noon, 394 AlderH.

ORIENTATION....for new graduate students will be Wednesday, September 23 from 1-4 p.m., 394 AlderH. Following, there will be a get-acquainted happy hour/BBQ at the greenhouse. Faculty, staff, and students are encouraged to attend. Bring your own silverware, plates and meat or meat substitute to grill. Beverages and nibbles will be served. Donations are requested.

WED- Faculty Consultative Committee, 8:30 a.m., 398 AlderH.

Department coffee hour, 9:30 a.m., 394 AlderH. Treats by (original Viennese Coffee "mit Schlag" und Apfelstrudel) by Ed & OkYoung Stadelmann.

Orientation for graduate students, 1-4 p.m., 394 AlderH. Happy Hour/BBQ, 4:00 p.m., Hort Greenhouse. (see article)

THR- PhD Defense Seminar, Investigations of the role of calcium in the pollen-style interaction of Lillium longiflorum Thunb. by Peter H. Velguth, 8 a.m., 394 AlderH.

TEACHING FAIR....sponsored by Bush Faculty Development Program on Excellence and Diversity in Teaching, September 29, 2-4 p.m., Coffman Memorial Union, Mississippi Room. Come meet colleagues interested in improving their teaching, have popcorn and cold drinks, gather materials about some of the strategies that are working for faculty on the Twin Cities Campus. "Booths" will focus on such pedagogical topics as: syllabus design, humanizing large lecture classes, active learning strategies, multi-cultural educational challenges, the Good Teacher Video Project, use of case studies in the classroom, conducting small discussions successfully, and modes for effective evaluation. For more information, call 624-8574 or 626-7730.

Fall Quarter begins

GRAD SCHOOL BULLETINS....1992-94 issue will be ready for distribution in early October. Graduate faculty and staff will find them in their mailboxes as they arrive. Students are asked to pick up their copy at 309 Johnston Hall or call the Office of Admissions (625-2008).

FREE KITTY....see Kathy Lloyd in 305 AlderH. Adorable calico that needs a home. Female, beige & white coloration.

The Twig

Volume 10 - #38 -- September 25, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

September, 1992				
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WEEKLY CALENDAR

MON- Plant Breeding Seminar, Transposable Elements: Implications in Plant Breeding, Sandra Milach, 3:30 p.m., 306 Borlaug.

Phytograds meeting, 12 noon, 394 AlderH.

TUE- Civil Service meeting, 9 a.m., 398 AlderH. Agenda will be to elect alternates for committee.

CSRS Review Committee, 3-5 p., 398 AlderH.

Plant Biological Sciences Colloquium, Copy Number and Expression of Chloroplast Genes in Chlamydomonas, Dr. Karen Kindle, Plant Biotechnology Center, Cornell University, 3:30 p.m., 335 Borlaug.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Maria Janssen and Amy Moberg.

Department Seminar, Center for Development of Hardy Landscape Plants, Harold Pellett, 4:05 p.m., 415 AlderH.

Deadline for faculty to submit a new and/or corrected faculty description for the recruiting booklet.

THR- Hort 8066 canceled for today only.

CONGRATULATIONS.....to Peter Velguth who successfully completed his PhD degree on September 24.

NEXT FACULTY MEETING....is **October 8 at 10 a.m.** Never mind what you read in the past.

WELCOME NEW PEOPLE....**Amy Moberg** who graduated from University of Wisconsin - River Falls in Horticulture with a minor in Soils. She has come here to work on her Masters with Drs. Luby and Rosen serving as her advisors. Her work will be on the higher pH tolerance of Vaccinium species. Amy has just recently married. She'll tell you all about the wedding and more (*if you ask*). She likes country music (though doesn't dance it) and her hobbies are sewing and baking. Stop by and say hello, Amy's office is 358 AlderH.

RETIREMENT PARTY....is October 16. Lido Italian Ristorante is the place and more details to follow.

1ST PRELIM EXAM.....October 8, discussion October 29.

INVENTORY WAREHOUSE.....need a new office chair or another filing cabinet? IW (on Talmadge Ave off Como Ave) has surplus furniture, including sofas & desks. The warehouse is only open on Wednesday & Thursdays mornings from 8-noon. Cindy Tong.

AIR CONDITIONING SHUT-DOWN.....has targeting Alderman Hall for the week of September 28. They anticipate a cooler than normal fall and plan to act now on our seasonal switch over. Any questions, call Facilities Management Office at 4-2288.

FELLOWSHIPS.....detailed info posted across from graduate mailboxes.

Ford Foundation Predoctoral and Dissertation Fellowships for Minorities, closing date for Applications: November 6, 1992.

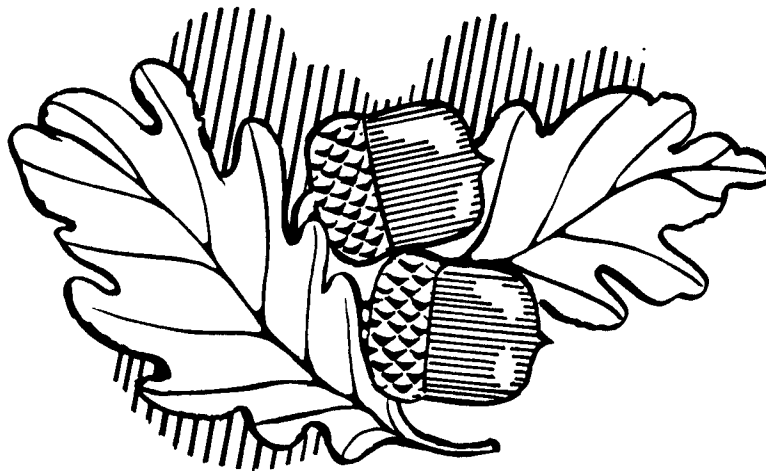
Graduate School Faculty Summer Research Fellowship deadline: November 16. Contact Laura Kalisch for application.

The Department just was notified that NSF has revised the FRESE Application Guide. All proposals received at NSF October 1, 1992, or later must use the new forms.

Proposals with old forms received at NSF 10-1 and after will not be accepted.

Proposals with old forms received at NSF 9-30 or before will be accepted.

Questions? Check with Laura Kalisch.



HAVE A GOOD WEEKEND!

SUN- Channel 6 MCN, 9 am & 9 pm, Home Landscape Ideas: join us on location in the Minnesota Landscape Arboretum's home demonstration gardens.

October, 1992				
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12	13	14	15	16
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WEEKLY CALENDAR

MON- Prelim Study Group, 9-noon, 398 AlderH.

Welcome Party for R. Vance Morey, new department head, Ag Engineering, 9:30 - 10 a.m., 219 Ag Eng Bldg.

Plant Breeding Seminar, A new agenda for plant breeding, Deon Stuthman, 3:30 p.m., 306 Borlaug.

CSRS Review Committee, 2-3:30 p.m., 398 AlderH.

State of the University Address, President Nils Hasselmo, 4:00 p.m., Cowles Auditorium, Hubert H. Humphrey Center. Remote viewing sites: 110 Green Hall, SPSC, 45 Nicholson Hall, and the Great Hall (CMU).

TUE- Undergraduate Affairs Committee, 10-11:30 a.m., 394 AlderH.

Plant Biological Sciences Colloquium, Genetics and Molecular Aspects of the Developing Maize Endosperm, Dr. Richard Kowles, Dept. of Biology, St. Mary's College, 3:30 p.m., 335 Borlaug.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. No treats due to no one signed up.

WED- Prelim Study Group, 9-noon, 398 AlderH.

Department Seminar, Seed effects on gibberellin metabolism in pea pericarp, Jocelyn Ozga, 3:30 p.m., 415 AlderH.

THR- PRELIM EXAM, 8-4, 398 AlderH. Pick up question from Evonne.

Faculty meeting, 10 a.m., 394 AlderH.

Safety Committee Meeting, 1:30 p.m., 152 AlderH.

1992 E. C. Stakman Award Ceremony, 4:00 p.m., 33 McNeal Hall. Biotechnology and Third World Agriculture, Dr. Luis Sequeira, Department of Plant Pathology & Bacteriology, University of Wisconsin, Madison.

Hort 8066 - No class.

Bio-Diversity in the Landscape, MN Landscape Arboretum, 8:30 a.m - 5:00 p.m. Speakers are Dr. Anne Hanchek, Joan Nassauer, Karl Ruser.

FRI- Farewell Reception for Wally Nelson for 44 years of distinguished service to the U and to the Southwest Experiment Station, 3-4:30 p.m., Cherrywood Room, SPSC.

WELCOME NEW PEOPLE....**Rebecca Brown** who graduated from St. Olaf College in Northfield, MN with a double major in Biology and World Hunger. I'm here on an Open RA, working with Dr. Ascher on using interspecific crosses to breed better beans. When I'm not working on my thesis, I like cooking, growing plants for fun, and studying the middle ages and renaissance through the Society for Creative Anachronisms. Rebecca is located in 262 AlderH. Get acquainted.

SYMPATHIES....extended to Kath Lloyd and Brad Pedersen on the death of their mothers, and to Ida and Wes Hackett on the death of her father.

CONGRATULATIONS.....to Joe Sowokinos who has been selected by the National Potato Council to receive it's "Researcher of the Year" Award for 1992 for his large contributions to the potato industry. The award will be presented at the Annual Seed Seminar held in Traverse City, MI on December 3-5.

Larry L. McKay, Professor and Kraft General Foods Chair in Food Science will receive the 1992 Alexander von Humboldt Foundation Award at a luncheon held at the Campus Club. Dr. McKay is being recognized for his research on plasmid biology and development of gene transfer systems in lactic acid bacteria and for the characterization of genetic systems governing important metabolic properties vital to the function of these microorganisms in food.

GARDEN PLOTTERS....all materials should be harvested by Thursday, October 8. All other materials such as netting, stakes, poles or fortresses should also be taken down as we are planning to add compost to the plot area this fall. Thanks. Greg Gingera and Karl Sauter.

RETIREMENT PARTY PLANS...the gala 3-way retirement party for Bob Mullin, Merv Eisel and Gus Hard will be held at Lido's, Friday, October 16 at 6 p.m. Dinner choices will include: Lasagne with White Asparagus Sauce (vegetarian), Chicken Tarragon Italiano and Trancia Salmone Casalinga (Bake salmon). Everyone is invited; students, staff, faculty and alums. Let's make it a great event! The Committee.

REMINDER....the first departmental seminar (9/30) was well attended with 25 people. The seminar committee also recognizes that the department as a whole could do better for attendance. Please make your best effort to participate. The seminar starts at 3:30 p.m. in order to accommodate those who have to leave early. The Seminar Committee.

OPEN ENROLLMENT....for 1993, October 16 through November 15 to: change medical plans, add dependent medical coverage, change to pre-tax or post-tax premium payment, enroll in health care and/or dependent care reimbursement accounts and add or increase long-term disability. FFI Employee Benefits at 624-9090.

LOST....a ladies watch. See Kath Lloyd in main office to claim.

POSTAL SERVICE....recently the Como Post Office carrier operation was moved out of the Como facility and merged with the Roseville Station. As a result there have been rumors that the Como Station may be closing. I would like to dissolve this rumor and inform you that the Como Station will remain open and offer the window service as it has in the past. The window service will be closed only on Saturdays. Effective September 19, 1992, the Post Office Box section will reopen on Saturdays to accommodate P. O. Box customers. It will be open from 9 a.m until 12 noon. Customers may also purchase stamps from the vending machines in the lobby. Patty DuBay-Roland, Manager, Roseville Post Office.

MN STATE HORT SOCIETY....will celebrate their first Fall Gardeners' Fair on Saturday, October 10 from 10 to 3. This special day is open to the public, free of charge and includes activities of interest to novice and advanced gardeners. The event will be held at their new headquarters building, 1755 Prior Avenue, near the intersection of Cleveland and Larpenteur Avenues in Falcon Heights.

GRANT OPPORTUNITIES...for graduate students from developing countries, info posted across from grad mailboxes or call 624-3221. Look for International Foundation for Science (IFS).

NSF GRADUATE RESEARCH FELLOWSHIPS... 1993 for 1992 college seniors, first-year graduate students, and other who have completed a limited amount of grad study in science, mathematics, and engineering. Deadline: November 6.

GREENHOUSE NEWS

Roger Meissner

Projects are responsible for keeping their greenhouse sections, work areas in the headhouse, growth chambers, walk-in coolers and immediate area around the coolers CLEAN at all times. All bench tops shall be kept clean and free of material. Anything left overnight will be disposed of and a \$25.00 clean-up fee will be assessed to the project responsible for the mess. Return brooms and dust pans to their original place.

Greenhouse space allocation assignment for Fall 1992 thru Summer 1993 have been handed out. Greenhouse space this year again is very tight especially in the teaching area. If you did not receive a copy of this years research greenhouse allocations or have any questions contact Roger.

I will now be carrying a pager. To get in touch with me immediately, dial 538-6\5670 and after the beeps, dial the phone number where I can call you. I will return your call within 15 minutes.

Anyone interested in purchasing a Happenings Coupon Discount Book please contact Roger Meissner or Debbie Newman. Price is \$25.00. Thank you.

Dept. vehicle users note the following: Remember when using a department vehicle that you must return it with at least a half tank of gas. Also, if you have used the vehicle for field plot purposes you must vacuum it out when it is returned. When fueling up please check the oil and add oil if needed. If any of these tasks are NOT completed before turning in the keys, the PROJECT WILL BE FINED \$50.00.



The Twig

Volume 10 - #40 -- October 9, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

October, 1992				
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5	6	7	8	9
<u>12</u>	<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>
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26	27	28	29	30

WEEKLY CALENDAR

MON- Graduate Studies Committee, 2:00 p.m.,
398 AlderH.

Plant Breeding Seminar, Allelopathy and
plant breeding, Steve Plehn, 3:30 p.m.,
306 BorH.

Biological Forum, International Trade
Developments and Implications for
Research, Drs. C. Ford Runge and
Vernon W. Ruttan, Ag & Applied Econ, 7-
7:30 p.m. social, 7:30-9:00 p.m.
program, 306 BorH.

TUE- Plant Biological Sciences Colloquium,
Molecular genetics of gibberellic acid
action, Dr. Neil Olszewski, 3:30 p.m., 335
BorH.

ARB/HRC Research Policy Committee, 6-
8 p.m., 394 AlderH.

WED- Department coffee hour, 9:30 a.m., 394
AlderH. Treats by Gerald Engelen and
Evonne Kuyper.

CSRS Review Committee, 12:30-2:00
p.m., 398 AlderH.

Faculty Consultative Committee, 2:00
p.m., 398 AlderH.

Dept. Seminar, Using expressive writing
to improve horticultural education, Doug
Fouk, 3:30 p.m., 415 AlderH.

HORT CLUB meeting, 6 p.m. Hort GH.
Dried Flower Arranging Demonstration.

THR- HORT 8066, Research discussion, Rika
VanHuizen, 4:05 p.m., 394 AlderH.

FRI- Retirement Party, happy hour 6 p.m.,
(cash bar) dinner at 7 p.m. Reservations
with Kathy Lloyd, 624-4742.

RETIREMENT PARTY....October 16, the
department will bid adieu to three of our friends:
Bob Mullin, Gus Hard and Merv Eisel. We hope
all of you will have given Kathy Lloyd your menu
selection by October 14 (flyers have been put in
your mailboxes) We are also taking donations
for gifts. If you have any ideas for our usual
roast of the guests, please give your ideas to
Laura Kalish or Gary Gardner as soon as
possible. Thank you for your consideration. The
Social Committee.

EXTRA, EXTRA....several extra slides trays for the
projectors have been purchased for
departmental use. You may check them out
from Martha in the main office.

GOOD NEWS.....COA 1992 Fall Quarter
Enrollment estimates 901 students. That's up
5% from Fall of 1991.

COA DEAN'S LIST....Spring 1992 reports 79
students. Students meeting these requirements
which our department wishes to congratulate
are: Karri (Ritchie) Bitner and Heather
Kriedermacher, advised by Mark Strefeler; Paul
Gifford, Bert Swanson, adviser; Bridgette
Matzinger, Dave Davis, adviser; Sarah O'Leary,
Deb Brown, adviser. Congratulations!!!

THANK YOU...friends, for the lovely flowers and
your kind thoughts during this trying time.
Special thanks to those gentle souls that
attended my mom's funeral. Kathy Lloyd.

ALDERMAN GARDEN PROJECT....thanks to Jim Calkins and Bert Swanson for their advice and donation of the beautiful shrubs for the Alderman Garden. Also many thanks to Mary Foster and Gerard Engelen who helped with planting the shrubs. Maria Janssen.

15TH ANNIVERSARY....University Student Legal Service invites staff and friends for music and refreshments at the Humphrey Center Atrium, West Bank Campus, October 14, 4-6 p.m. A brief ceremony with remarks by The Honorable A. M. (Sandy) Keith, Chief Justice of the Minnesota Supreme Court and Dr. Marvalene Hughes, Vice President of Student Affairs.

MN COMMERCIAL FLOWER GROWERS SHORT COURSE....October 27-29.

EMPLOYEE BENEFITS....is holding "Information Fair" for U of M faculty and staff, November 4, 5, 6. November 4 special presentations on St. Paul Campus include Compleat Scholar, new investment options under the faculty retirement plan, stress management, optional retirement plan, and the road to cardiovascular fitness. Medical staff from UMHC and Boynton will be available to provide various health screenings - have your eyes, blood pressure, cholesterol or body fat checked, or you can have a computerized health risk appraisal done.

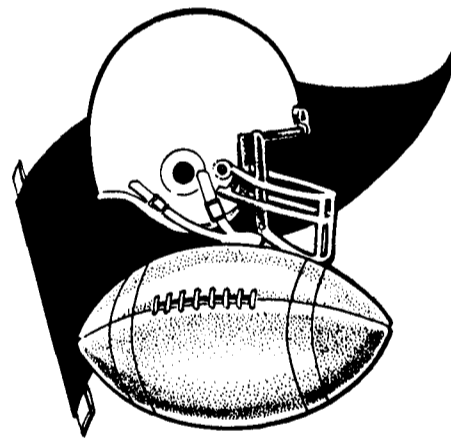
FALL/HOLIDAY OPEN HOUSE....Squire House Gardens, Afton, Minnesota, November 14 & 15, 1-4 p.m. Join them for this annual village event. Lively music will be provided by Mark Stillman, accordionist. They'll be featuring their distinctive holiday merchandise.

GRADUATE SCHOOL.....is seeking nominees from a wide range of disciplines including the natural, physical and social sciences, humanities, law and engineering for the 1993 **Pew Scholars Program in Conservation and the Environment**. This Program provides awards to outstanding scholars who are committed to both research and the application of their findings to the pressing issues of the conservation of biological diversity and directly related to environmental problems. Graduate School will nominate one

individual and the stakes are \$150,000 over a three year period. Check with Evonne for application/details....Deadline October 26.

U.S. DEPARTMENT OF ENERGY (DOE)....announces 1993 faculty research opportunities. The objective of this participation program is to enable college and university faculty members to participate in advanced, mission-oriented research at DOE and other participating research and development facilities during 10-12 week summer appointments. Application Deadline, January 19, 1993. Posted across from faculty mailboxes.

FOUND THE PROBLEM....The repairman from the gas company stopped by Big Ole's Farm and talked to Lena. "I understand there's something around here that doesn't work." "Yew got dat right," snorted Lena. "He's in de house cleaning his deer rifle."



!!!GO GOPHERS!!!

The Twig

Volume 10 - #41 -- October 16, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

- SAT- Gopher Football Homecoming
- SUN- Channel 6 MCN, 9 am & 9 pm,
ORCHIDS: Grow a tropical paradise
indoors during the Minnesota winter.

October, 1992				
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5	6	7	8	9
12	13	14	15	16
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26	27	28	29	30

WEEKLY CALENDAR

- MON- Plant Breeding Seminar, An analysis of CIMMYT's wheat breeding strategy to develop widely adapted germplasm, Kendell Hellewell, 3:30 p.m., 306 BorH.

OPEN FORUM held by Grad School Review Committee to help improve grad education at the U of M, 3:30-5:30 p.m., 320 Coffman Union, This is your opportunity to comment and make recommendations!

- TUE- Plant Biological Sciences Colloquium, Gibberellins - the Future, Dr. Bernard Phinney, Department of Biology, University of California, Los Angeles, 3:30 p.m., 335 BorH.

- WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Debby Newman and Martha Piechowski.

Department Seminar, MN Institute for Sustainable Agriculture, Don Wyse, 3:30 p.m., 415 AlderH. An opportunity for Hort faculty and representatives of MISA to meet and discuss the structure and function of MISA.

- THR- Hort 8066, Discussion of October 8 Prelim Question, Drs. Hackett, Ascher, and White, 4:05 p.m., 394 AlderH.

BACK HALLWAY....is going to be cleared, cleaned and dusted. Reprints, journals and magazines that are not claimed by individuals who have a interest in such will be removed by October 30. Check with Laura or Evonne if you have questions.

GRADUATE STUDIES COMMITTEE....is requesting current photos of field or lab research for the recruiting booklet that is sent to potential graduate students. Turn them into Jim Luby or Evonne Kuyper by October 23.

LOST/FOUND.....a watch on the front walk of Alderman Hall. Check with Kath Lloyd in main office to claim.

QUESTION.....does someone know about an unused modem (hythescompatible)? I would need one for a few weeks. If you have such a modem, please call me or put a note in my mailbox. Thank you...Ed Stadelmann (Rm #228 or 624-3267).

JOB.....at Minn Vitro, full time, plant tissue culture, contact K. Lewis at 825-8862.

BOOKSTORE ACADEMIC APPAREL SALE....10% discount on all custom order academic apparel such as doctoral gowns, hoods, tams and mortarboards from the U of M and other American and foreign universities and colleges. October 12-30. Samples on display West Bank and St. Paul stores.

GREENHOUSE NEWS

Roger Meissner

ENERGY SAVINGS - the greenhouse headhouse is going through a lighting retrofit. All fluorescent fixtures will be installed with energy efficient ballasts and lamps. This project will take about two weeks. Please turn off all lights when you leave a room

Does it take much energy to switch on fluorescent lights? No, not when compared with the electric use when the lamp is on. In fact, the amount of electricity consumed at start-up is less than the amount used to power it for one second. Does frequent switching mean the lights will wear out faster? Testing shows that frequent switching does shorten life to some extent. However, life is also affected by operating hours. Long operating hours mean that the lamp will need to be changed more frequently. What is the best balance? Turn off lights whenever you leave the room for more than a minute. Lights will not need frequent replacement and the energy savings will be significant.

WINTERS ARRIVING...the cold has set in and that means the time for winterizing. The cooling pumps in the greenhouse have now been flushed out and turned off. The cooling pads will remain in place until the first week of November to act as a wind barrier when the vents are open. If you have any questions regarding the cooling/heating system in the greenhouse, please contact Roger.

FIELD PLOTS.....the irrigation system for the field plots will be blown out starting October 19. Any questions...see Roger.

INSECTS, INSECTS AND MORE INSECTS.....pesticide application will take place in the evening starting October 19. Please take note at the gold sign on the hallway entry doors. Our greenhouse pesticide is going through new steps to help with insect control. I hired Charlotte Herman to help monitor pest populations. She has been placing yellow and blue sticky 3x5" cards in the greenhouse sections and is checking the cards on M W F. This helps us keep track of present insect populations. You can also help by doing the following.

1. Report insect infestation to Charlotte, Martha or Roger.
2. Keep your greenhouse section clean at ALL times. Sanitation is the most important step. Dead leaves and debris on benches and floors harbor insects and their eggs.
3. Throw out unwanted plants immediately.
4. Keep your plants from being to overgrown. This makes it difficult for pesticide application.



The Twig

Volume 10 - #42 -- October 23, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

October, 1992				
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5	6	7	8	9
12	13	14	15	16
19	20	21	22	23
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WEEKLY CALENDAR

MON- Minnesota Extension Service Conference begins, 1:00 p.m., Earle Brown Center.

TUE- Minnesota Commercial Flower Growers Short Course (MCFGSC), Greenhouse Tours (Pletschers, Rosackers, Koehler & Dramm, Metro).

Plant Biological Sciences Colloquium, Photosynthesis and Nutrient Status in Contrasting Amazonian Rainforest Communities, Dr. Peter Reisch, Department of Forest Resources, 3:30 p.m., 335 Borlaug.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats brought to you by Jerry Pierson and Fernande Rodgers.

Department Seminar, An Overview of Allelopathy in Temperate Zone Plants, Mike Heim, 3:30 p.m., 415 AlderH.

MCFG Short Course, at Midland Hills CC, 8:00 a.m., 4:14 p.m. Speakers include Peter Konjoian, John Erwin, Gerard Engelen, Doug Bailey, Dave Koranski, Mark Strefeler, James Knauss, Peter Ascher, Debbie Schwarze.

Interruption of Building Steam Service for Alderman Hall from 8-4. This outage will affect dishwashers, sterilizers, autoclaves, domestic hot water & heat. Contact Laura Kalisch if this is a problem.

THR- Hort 8066, Discussion of October 8 Prelim Question, Drs. Hackett, Ascher, and White, 4:05 p.m., 394 AlderH. (*I'll get this right one of these days*).

MCFG Short Course, at Midland Hills CC, 8:00 a.m., 4:14 p.m. Speakers include Bud Markhart, Peter Konjoian, John Erwin, Ron Wagner, John Peckham, Wayne Dally, Wanda Olson, John Shutske, Mark Ascerno, Frank Pfleger, and Larry Palmer.

Fall Quarter MAST faculty reception, SPSC, MN Commons, 3-3:45. Faculty are invited to visit and learn about the MAST program and share a bit of their cultures. Their group is made up of 23 students from 13 countries. Call Cathie at 624-3740.

CSRS Review Committee, 3-5, 398 AlderH.

FRI- Graduate Studies Committee, 8:30 a.m., 398 AlderH.

Ghoulish Goulash Pot Luck, noon, 394 AlderH. Bring your tastiest goulash and a Halloween treat. Proper attire required.

UNIVERSITY'S COMMUNITY CAMPAIGN...is winding down but I am still able to accept your contributions. I'm impressed with our giving to date, our department is currently at 25% participation rate. If you haven't returned your preprinted card to me yet, please take a few moments, fill it out, and return it to me no later than noon on Friday, October 30. Thanks for your continued support of these very important community organizations. Laura Kalisch.

GRAD STUDENTS.....next prelim exam is scheduled for November 12.

UNIVERSITY'S CHEMICAL RECYCLING PROGRAM.....Cindy Tong has received a list of chemicals, opened and unopened, from the U's program. These chemicals are FREE, and distributed on a first come, first served basis. There is also a short list of available labware (small cost involved). If you would like to see these lists, please contact Cindy Tong (4-3419) or put a note in her mailbox. Material Safety Data Sheets (MSDS) are in the closet in the main office. If you cannot find a MSDS for a chemical you are working with, contact Cindy and she will get you one.

EMPLOYEE BENEFITS OPEN ENROLLMENT....in response to the University's concern on paperwork reduction and the heavy volume of paper processed through campus mail, we are trying a new method of providing supplemental information to employees during the annual open enrollment. Copies of the medical plans information will be available to employees through their departments. See Laura Kalisch.

NSF announces Postdoctoral Research Fellowships in Plant Biology for 1993. Application deadline: Nov 1, 1992. See Evonne Kuyper for more information.

The Twig

Volume 10 - #43 -- October 30, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

SUN- Nov 1, Channel 6 MCN, 9 am & 9 pm,
Putting Roses to Bed: Learn to "Tip"
hybrid tea roses to prevent winter kill.

November, 1992				
<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>
9	10	11	12	13
16	17	18	19	20
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WEEKLY CALENDAR

MON- American Society of Agronomy, Crop Science Society of America, Soil Science Society of America, Clay Minerals Society announces the 8th Annual Meeting Program, New Visions, New Perspectives, November 1-6, 1992, Minneapolis Convention Center.

Biological Forum, Wetlands: an update on the controversy and implications for research, Ron Nargang, Deputy Commissioner, MN DNR, Thomas Landwehr, Wetland Wildlife Program Leader, MN DNR. 7-7:30 p.m. social, 7:30-9:00 p.m. program, 306 Borlaug.

TUE- Undergraduate Affairs Committee, 9:30 a.m., 398 AlderH.

Plant Biological Sciences Colloquium, Genes in Wood Formation and Genetic Mapping in Forest Trees, Dr. Ron Sederoff, Department of Forestry, NCSU., 3:30 p.m., 335 Borlaug.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Roger & Conchi.

Department seminar, Adventitious root initiation in eastern white pine cuttings, Barry Goldfarb, Department of Forest Resources, 3:30 p.m., 415 AlderH.

THR- CSRS Review Committee, 1:00 p.m., 398 AlderH.

Hort 8066, Thesis Proposal, Breeding for drought-tolerance in New Guinea Impatiens, Robert Quené, 4:05 pm, 394 AlderH.

GIVE-AWAY.....some gold-top seals that fit test tubes....see Martha Piechowski.

PROTECT YOUR WORK....Now, "No more Mr. Nice Guy"! Keep in mind that the growth facility assignment forms for growth chambers, coolers, and incubators must be posted on all units that you are using. This is a convenience for me and other workers but could be vital in saving your research, in the event of equipment failure. I have already put the user and project leaders name's on the notice but you must fill out the operating specifications section and post it on the proper unit. Without these slips being properly completed and displayed, I have no idea as to what your original research conditions are. If you don't care, should I? *The Ol' Sicky*

A REAL LOOKER....Big Ole and a bunch of his cronies from the Sons of Norway Club decided to take in the sights at the new casino at Mahanomen. Trooping off the bus the whole gang walked into the gaming establishment. The first thing Ole spotted was the bouncer, a huge, Native American wearing a patch over one eye. "Look at dat big Indian vit vone eye," Ole exclaimed. The other members of the Sons of Norway dutifully covered one eye to take a look.

OVER

ARBORETUM CLASSES....for the upcoming holiday seasons:

Melon Basket, Thr, Nov 19, 9-12:30 - One of the traditional American rib basket, the reed melon basket takes just a few hours to weave. Reed is the inner core of the rattan palm, a tropical vine from Southeast Asia. Instructor is **Shirley Mah Kooyman**, botanist and Arboretum staff member. Fee is \$20 for members, \$25 for nonmembers and is suitable for beginning to intermediate level basket weavers.

Attracting Wildlife to your Yard, Sat, Nov 21, 10-noon. By adding plants for shelter and food and various structures, you can encourage wildlife to your landscape that otherwise may not be attracted to your yard. Instructor is **Mike Zins**, an Extension Horticulturist at the Arboretum. Fee \$15 members, \$20 nonmembers.

Balsam Wreath Workshop, Tue, Dec 1, (Sec 1-10 am) (Sec 2-1 pm) (Sec 3-7 pm). Make your own decorated wreath and welcome the holiday with the scent of freshly cut balsam fir boughs. Instructors are **Penny & Ken Vogel**, experienced floral designers. Fee \$20 members, \$25 nonmembers.

Creating a Boxwood Tree for the Holidays, Tue, Dec 8, (Sec 1-10 am) Sec 2-1 pm). Create a petite, decorated holiday tree using a floral foam base and sprigs of boxwood. Instructor **Nancy Allison**, a librarian at Andersen Horticultural Library, is a nationally accredited Federated Garden Club flower show judge. Fee \$20 members, \$25 nonmembers.

For registration information call: Carol Spandl at 443-2460 Ext 772.



The Twig

Volume 10 - #44 -- November 6, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

WEEKLY CALENDAR

MON- Plant Breeding Seminar, CIMMYT's germplasm program, Bent Skovmand, 3:30 p.m., 306 Borlaug.

TUE- Turf Meeting, 10:30-12:30, 398 AlderH.

Safety Committee, 1:30-3:00 p.m., 398 AlderH. Turn in final drafts for department hygiene book to Cindy Tong.

Plant Biological Sciences Colloquium, A View of the Ends: Structure and Function of Telomeres in Yeast and Algae, Dr. Judith Berman, Department of Plant Biology, 3:30 p.m., 335 Borlaug.

WED- Landscape Ecology Search Committee, 8:30 a.m., 398 AlderH.

Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Mark Strefeler & HELP.

Department seminar, Congruity and Backcrossing: Theme and Variations, Peter Ascher, 3:30 p.m. 415 AlderH.

THR- Winter Quarter 1993 Registration begins.

Faculty meeting, 8:30 a.m., 394 AlderH, Graduate faculty meeting following.

PRELIM EXAM, 8-4, 398 AlderH. Pick up question from Evonne.

HORT 8066, Research Proposal: The Influence of Temperature, Tyrosine, and Ethylene on Potato Blackspot, Richard Peasah, 4:05 p.m., 394 AlderH.

FRI- CSRS Review Committee, 12:30 p.m., 394 AlderH.

COA High School Visit Day.

November, 1992				
2	3	4	5	6
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16	17	18	19	20
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MISSING.....who has the electric dispensette for dispensing tissue culture media./ It used to be in Cindy Tong's lab, but has disappeared in the last 2 months. I need to use it! If you have it or know of its whereabouts, please contact Neil Anderson (4-3232). Thanks!

THANKS....so much for your thoughtfulness during the past few weeks. The flowers were beautiful and I think of you each time I look at them. I cannot think of a nicer group of people to work with. A special thanks to the "Lunch Bunch" for their wonderful surprise. Judy Day.

PC SPELLING CHECKER ISN'T EVERYTHING...a new kind of illiteracy is sweeping the country...It's an illiteracy of homonyms..."Spellbound," a poem by Penny Harper posted on Internet, a world-wide electronic bulletin board, illustrates the problem:

I have a spelling checker
It came with my PC;
It plainly marks four my revue
Mistakes I cannot sea.
I've run this poem threw it
I'm sure your pleased too no
It's letter-perfect in it's weight,
My checker tolled me sew.

Tribune, 10-30

The Twig

Volume 10 - #45 -- November 13, 1992
 Editor: Martha Piechowski

Department of Horticultural Science
 305 Alderman Hall, St. Paul, MN 55108

WEEKLY CALENDAR

MON- Plant Breeding Seminar, *Changes in gene expression of wheat containing the short arm of chromosome 1 of rye*, Doug Bittel, 3:30 p.m., 306 Borlaug.

TUE- Plant Biological Sciences and Plant Biology Department, *Expression of Mitochondrial Genes in Neurospora crassa*, Dr. Robert Brambl, Department of Plant Biology, 3:30 p.m., Borlaug.

Public Relations Committee, 1:30-3:00 p.m., 398 AlderH.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Dave Davis & ?

Department seminar, *Differential dihydroflavonol reductase activity in juvenile and mature phase ivy*, John Murray, 3:30 p.m. 415 AlderH.

THR- Grad Student Brown Bag Lunch, 12:00-1:00 p.m., 394 AlderH. Bring your own lunch--Greg is providing treats. Post docs are encouraged to attend.

HORT 8066, *Research Proposal: Population Genetics of Liatris in Minnesota*, Kerstin Concibido, 4:05 p.m., 394 AlderH.

November, 1992				
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I have a copy of the "Source Book for Creative Problem Solving", published by the Creative

Education Foundation. Please check with me if you would like to borrow "A 50 year digest of proven innovation processes". Authors include names like Alex Osborn, Abraham Maslow, Sidney Parnes etc. Don White.

A wallet was stolen at approximately 2:30 p.m. on November 10 from someone in Entomology. Please watch your belonging closely. Someone may be working "the hill".

If you're interested in using the University's new E-Mail system and are not yet set up to do so, please stop by. I have the necessary software which you can copy to your IBM-PC hard drive (3½" high density drive only). Also, I have a few extra copies of the "E-Mail Manual" which I've printed out from the various software "README" files. It's advisable to attend the free E-Mail training sessions before you try this out. Angie Klidzejs.

Vehicle Update: Vehicle 3420, the compact brown station wagon, will be auctioned off at the U of M vehicle auction on Saturday, November 14. This leaves the department with four vehicles.

- 3471 - full size blue station wagon
- 3411 - compact size blue station wagon
- 3546 - blue cargo van--seats 5 pass.
- 3706 - gray lift-gate pickup

Vehicles 3471 and 3411 may be checked out in room 326 and keys picked up in the main office 305. 3546 and 3706 may be checked out through Roger or Martha L. If you have any questions contact Roger at 4-3631.

The U of MN Fleet Services will be having their annual fall auction Nov. 14 at 11:00. Vehicles being auctioned off are comprised of vehicles U of M departments have turned in for auction and vehicle rentals. Posting of the vehicles in the auction can be found in the hallway across from the mail boxes.

Next Wednesday, 11/17 is the last day to order apples at a very special price.

MacIntosh and Cortland--\$5.00/bushel (1st & 2nds) \$1.00 a bag. \$.50 a small bag. First come first served basis.

* * * * *

The Minnetonka Choral Society, under the direction of Dr. Peter Hendrickson, invites you to join them for the presentation of their fall program, "THANKSGIVING: Classically American." Performances are scheduled for Sunday, Nov. 22, 4:00 p.m., Messiah United Methodist Church, 17805 County Road 6, Plymouth, MN and Monday, Nov. 23, 8:00 p.m., Crystal Free Church, Hwy. 169 at County Road 9, Crystal, MN Tickets are \$7.50 for adults, \$5.00 for students and seniors. See Anne Hanchek for tickets or for more information.

The Twig

Volume 10 - #46 -- November 20, 1992
Editor: Martha Piechowski

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

WEEKLY CALENDAR

November, 1992				
2	3	4	5	6
9	10	11	12	13
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MON- GSC meeting, 9:00 a.m., 398 AlderH.

Safety Committee meeting, 1:30 p.m.,
398 AlderH.

Plant Breeding Seminar, *Cytological
and molecular determination of species
relationships*, Shahryar Kianian, 3:30
p.m., 306 Borlaug.

TUE- Growth & Development Faculty
meeting, 11:00 a.m., 398 AlderH.

Undergraduate Affairs Committee,
2:30 p.m. 398 AlderH.

WED- Department coffee hour, 9:30 a.m., 394
AlderH. Treats by ?

Department seminar, *Operations of the
Office of International Agricultural
Programs*, William Fenster, 3:30 p.m.,
415 AlderH.

THR- THANKSGIVING!! Have fun

FRI- Best day not to do X-Mas shopping.
Let it snow a foot today and not
Sunday.

Let is be known that Kathleen, Lynnette and
Martha will be out of the office on Wednesday

so please try to get your stuff done by
Tuesday.

Graduate students. See information on
employment opportunities posted by mail
boxes for professionals from Africa and Latin
America who wish to return to their home
country and work.

Faculty are reminded to RSVP to the College
office for the COA Faculty Retreat Dec. 14.
Contact Elise Forrette at 4-4212. Also, the
College of Agriculture Faculty Assembly
meeting is Thursday, December 10 at 10:00
a.m. in the St. Paul Student Center. Agenda
items due today.

The College of Natural Resources Dean
candidates will be visiting campus between
November 30 and December 11. Please see the
twig bender editor for names and times to
meet with these candidates, if interested.

We (myself included) need to take more
responsibility in turning off the autoclaves
when they are finished with the sterilization
cycle. Otherwise, the buzzer irritates others in
the surrounding area(s) and they are often
prompted to turn it off. This is especially true
with the 4th floor autoclave. Thank you for
your attention to this matter. Neil Anderson.

Please recycle the white window envelopes
(which your paychecks come in) back to
Fernande for reuse. We shouldn't have to
spend money on these things! Let's use them
'til they're dogeared and tatty!

(OVER)

The Twig

Volume 10 - #47 -- November 30, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

WEEKLY CALENDAR

MON- Plant Breeding Seminar, Characterization and expression of an antifungal protein gene from Zea mays, Dr. David Malehorn, Monsanto Ag Company, 2:45 p.m., 306 Borlaug.

Environmental Hort Committee, 1:00 p.m., AlderH.

TUE- Plant Biological Sciences Colloquium, Sucrose Synthase, Starch Accumulation and Tomato Fruit Development, Mr. Fei Wang, 3:30 p.m., 335 Borlaug.

CNR Dean candidate visit, Dr. Alfred D. Sullivan, Penn State University, 1:45-2:45 p.m., 220b NRAB.

WED- Department coffee, 9:30 a.m., 394 AlderH. Treats by Neil Anderson and Robert Quene.

CNR Dean candidate visit, Dr. Don C. Erman, U of Cal-Berkeley, 11:15-12:15, 220b NRAB.

Faculty Consultative Committee, 398 AlderH.

Department Seminar, The Molecular Analysis of Tapetal Specific Genes in Tomato, Penny Aguirre, 3:30 p.m., 415 AlderH.

THR- Annual faculty meeting to review probationary files, 8:30 a.m., 394 AlderH.

U of M Horticulture Club HOLIDAY PLANT SALE, 9-5, SPSC. Shop til you DROP.

Hort 8066, Discussion of November 12 Prelim Question, Drs. Tong, Hanchek and Fritz, 4:05 p.m., 394 AlderH.

Public Relations Committee 2-4 p.m., 398 AlderH.

THR- Bush Faculty Development Program on Excellence and Diversity in Teaching & the Office of Human Resources presents an interest group meeting on Cultural Diversity in the Sciences, featuring Dr. Shirley Malcom, Directorate for Education & Human Resources Programs, American Association for the Advancement of Science, 3:30-5:30 p.m., West Wing Coffman Union. RSVP to 626-7730.

December, 1992

<u>30</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>
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DEPARTMENT HOLIDAY COOKIE EXCHANGE, Friday, December 11, 11:30-12:30, 398 AlderH. See Kath Lloyd to sign up. Plan on 9 dozen cookies, that eight to exchange and 1 doz to share.

IMMEDIATELY following the cookie exchange is:

DEPARTMENT HOLIDAY PARTY (12:30).....with smoked turkey as the main entre and the trimmings supplied by you, the partiers! Suggested items include hors d'oeuvres, salads, breads, butter, desserts. Please mark your calendars and plan to attend!



The Twig

Volume 10 - #48 -- December 4, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

December, 1992				
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WEEKLY CALENDAR

MON- Fall Quarter Finals Week

Greenhouse Committee, 10:00 a.m., 398 AlderH.

Biological Forum, A discussion of ethical issues in biological research and marketing, Dr. Arthur L. Caplan, Director, Center of Biomedical Ethics, U of M Medical School, 7-7:30 p.m. Social, 7:30-9:00 p.m. Program, 396 Borlaug Hall.

CNR Dean candidate visit, Dr. James P. Lassoie, Cornell University, 2:00-3:00 p.m., 220b NRAB.

TUE- CEE in person registration.

WED- Civil Service meeting, 8:30 a.m., 398 AlderH.

THU- COA Faculty Assembly Meeting, 9:30 a.m. reception, 10-noon meeting, SPSC Theatre.

Department faculty meeting, 1:00 p.m., 394 AlderH.



FRI- Department Holiday Cookie Exchange, 11:30-12:30, 398 AlderH. See Kath Lloyd to sign up. Plan on 9 dozen cookies, that eight to exchange and 1 doz to share.

IMMEDIATELY following the cookie exchange is:

Department Holiday Party (12:30)...with smoked turkey as the main entre and the trimmings supplied by you, the partiers! Suggested items include hors d'oeuvres, salads, breads, butter, desserts (don't forget a serving spoon), come one, come all to initiate and a toast to our new foyér. Food will be set up in 394, buffet style. Beverage provided.

LOOKING AHEAD

COA Faculty Retreat, Monday, December 14, 1992 at the Minneapolis Metrodome Hilton Hotel located at 1330 Industrial Blvd, Mpls.

CSRS Review, Tuesday December 15-18.

WEDDING BELLS for Maria Janssen and Egbert Spaans, November 26, in Haaelem, The Netherlands. Congratulation and best wishes.

CONGRATULATIONS....to Paul Li for co-editing on Advances in Plant Cold Hardiness. The volume consists of key papers presented at the 4th International Plant Cold Hardiness Seminar and the invitational papers at the Swedish University of Agricultural Sciences, Uppsala, July 1-5, 1991. Paul is an author or more than 130 papers, co-editor of 2 books and editor of 3 books.

GRADUATE NEWS....Deadline for Merit Award dossiers is the first Friday of Winter Quarter (January 8).

Plan Ahead.....GSC would like your requests turned in by January 22 for travel training and travel to meetings.

1993-94 Endowed Fellowship Awards, deadline for application is March 5, 1993. See posting across from graduate student mailboxes.

COGS had its second FQ meeting Thurs, Nov 19, 1992. We passed the 93-94 budget, which means a \$.18 per quarter increase in student fees. We also discussed the COGS/GAPSA memorandum of understanding. For all the people who really want to know how COGS works within the university system, please stop by my office. The graduate school committee want to revise the Policy and Review Council. Again, for more details, see me. If you have lots of extra energy and need to expand your horizon, get involved, there are a number of committees that need your help. (G. Engelen, 380 Alderman).

Graduate School Forms and department forms have relocated to the right side of the mailboxes.

UNDERGRADUATE NEWS....*(they give me nothing but I will write a few words for them - ek)* note the change in location of the undergraduate mailboxes.....head west from old location to directly east of the graduate student mailboxes. Good luck!

PROUD of our hort students and the successful Holiday Plant Sale at the SPSC. The poinsettias and wreaths all were beautiful. Good job!

THANK YOU....for the invitation to make wreaths the Wednesday before Thanksgiving. The ones that took advantage of this opportunity enjoyed themselves, good food and the camaraderie of our undergraduate students. Thanks again for extending the invitation to the department.

PEN PAL.....I have a letter at my desk from a Ghanaian requesting correspondence to share ideas in the area of pomology, floriculture. Please stop by my desk and pick up the address and name. Evonne.



The Twig

Volume 10 - #49 -- December 11, 1992
Editor: Evonne Kuyper

Department of Horticultural Science
305 Alderman Hall, St. Paul, MN 55108

SUN- Nov 13, Channel 6 MCN, 9 am & 9 pm, Gifts from the Garden: From potpourri to wreaths to hand trowels, a gardener's treasure of gift ideas.

Kathy Lloyd thanks the anonymous person for the tickets to "Shear Madness". The play was GREAT!

MISSING....Kath Lloyd's radio left in 394 AlderH for the last happy hour. Please return it

December, 1992				
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CHILD CARE ANNIE...the Department of Horticultural Science was honored at the dedication of the new University of Minnesota Child Care Center on Saturday, December 5. Emily Hoover and Jim Luby were extremely proactive in providing assistance and guidance during the construction of this facility. When all landscaping funds were diverted to hardware construction, Emily provided significant horticulture expertise. Jim Calkins and Emily then review all plant material requirements of the existing design and made some adjustments to fit the UM TRÉ inventory. All plant material (approx. \$13,000) for the facility was then provided by the TRÉ Nursery. TRÉ is proud to be involved in a very excellent facility and it was apparent that the University community and many parents are very appreciative and grateful for the horticultural assistance provided. This contribution is sustainable and will only grow with time, creating an everlasting impact on the lives of youth, parents and grandparents. B. T. Swanson.

SAFETY TRAINING.....all department employees must undergo annual safety training. The recently distributed safety manual (PLEASE READ IT) is part of the training. Another part will be a safety program to be held on Wednesday, January 20, 1993 at 3:30 pm in 415 Alderman Hall. ALL department employees (undergrad, grad, civil service, and professional and academic staff) MUST attend. Come watch humorous and gory videos, take short quizzes, sign your training report, and help make our department a safe place to work! If you can't make the Wednesday session, sign up for a make-up session, T,W,Th or F from noon-1 pm in 398 AlderH. Sign up sheet is in the main office (305).

WEEKLY CALENDAR

MON- COA Faculty Retreat, Minneapolis Metrodome Hilton Hotel, 1330 Industrial Blvd.

Review Team Arrives, afternoon

TUE- Review Team - Undergraduate and Graduate, Tour of facilities, reception with faculty, students and staff, 5:45 p.m., 394 Alderman. Check agenda for specific times.

Deadline for Fall Quarter grades. See Evonne in main office.

WED- Review Team at Minnesota Landscape Arboretum.

THR- Review Team - Environmental Hort, graduate students & post docs, civil service staff, various research groups, greenhouse tour.

FRI- Review Team prepares report, departs 4:30 p.m.

SYMPATHY.....to Julia McGrew, whose mother died November 22 in Jeffers, MN.

KUDOS....to Neil O. Anderson, Peter D. Ascher, and Richard E. Widmer who recently authored Lethal Equivalents and Genetic Load, Chapter 4, Offprints from Plant Breeding Reviews, Volume 10, edited by Jules Janick, copyright 1992 by John Wiley & Sons.

EMPLOYEES.....Exempt W-4 submitted to payroll in 1992 expire on 2/15/93. To avoid having taxes withheld after that date, new exempt W-4's must be received in payroll by the following dates:

biweekly payroll 2/9/93 (4pm)
regular payroll 2/18/93 (4pm)

MWR forms expire on 2/28/93. To avoid having MN taxes withheld, new forms must be in payroll by:

biweekly payroll 2/23/93 (4pm)
regular payroll 3/05/93 (4pm)

MWR forms are available from the MN Department of Revenue at the following number, 612-296-3781. Whenever there's a change in your filing status, exemption allowances, or address, you should file a new W-4 form. Questions? Call Payroll at 624-2837.

The Twig

Volume 10 - #50 -- December 18, 1992
 Editor: Evonne Kuyper

Department of Horticultural Science
 305 Alderman Hall, St. Paul, MN 55108

December, 1992				
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1993 ASHS ANNUAL MEETING....student travel grants are due February 15, 1993. There will be 35 travel grants of \$200 each to both **undergraduate** and **graduate students** who have submitted abstracts for an oral or poster presentation. The 90th ASHS Annual Meeting will be held July 24-29, 1993 in Nashville, Tennessee. See Evonne for application forms.

WEEKLY CALENDAR

- MON- The office will be staffed with Evonne, Fernande, Kathy, Laura, Martha.
- TUE- The office will be staffed with Evonne, Fernande, Kathy, Martha.
- WED- University Floating Holiday
- THR- University Floating Holiday
- FRI- University Major Holiday

HOLIDAY SCHEDULE....the main office will be staffed with the following:

- Mon.Dec 28- Angie, Evonne, Kath, Martha
- Tue.Dec 29- Angie, Kath, Martha
- Wed.Dec 30- Angie, Kath, Lynnette, Martha
- Thu.Dec 31- Angie, Lynnette, Martha
- Fri.Jan 01- University Major Holiday

ASHS ANNOUNCES.....Outstanding Horticulture Student Recognition. Faculty are asked to submit nominations of outstanding senior undergraduate horticulture students enrolled in our baccalaureate program to Evonne in the main office on or before February 1, 1993. The department will select and forward one student nomination out of the pool (hopefully) to ASHS before February 15, 1993. Please submit a black & white photo, scholastic achievements, leadership activities, participation in campus/club activities and services to our department.

PHILIP C. HAMM MEMORIAL SCHOLARSHIP PROGRAM....announces two scholarships of \$500 each on a merit basis to **undergraduate students** in the plant sciences and related disciplines. The purpose is to encourage and reward undergraduate students who show promise as research scientists. To be eligible, a student must be a junior or senior, have outstanding scholastic record, submit a statement of career objectives, not to exceed one page. Deadline is February 23, 1993. Submit to Phil Larsen, Department Head and Committee Chair in Plant Pathology, 495 Borlaug Hall.

1ST ANNUAL CONFERENCE.....Innovations in Higher Education, sponsored by Midcontinent Institute, Minot State University, Sheraton-Riverside, Minot, ND, March 26-27, 1993. Guidelines for submitting papers and topic areas are posted in foyer.

BPF....horticulturists and researchers in related sciences are invited to submit research proposals for funding by Bedding Plants Foundation, Inc. Deadline for submissions is April 1, 1993. See Evonne for application and research priorities.

REMINDER....nominations are now being accepted for the 1992 Civil Service Outstanding Performance Award. Deadline is December 31, 1992.