

# The Twig

Volume 11 - #1 -- January 8, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

SUN- Jan 10 - 9 a.m. & 9 p.m. Channel 6 MCN  
Holiday Plants: Keep those holiday blossoms going strong in the New Year.

MON- Biological Forum, Generic Environmental Impact Statement (GEIS) on Timber Harvesting in Minnesota: Study approach, technical findings and implications for research in forestry and agriculture, Dr. Alan R. Ek, Professor & Head, Department of Forest Resources, 7-7:30 p.m. Social, 7:30-9:30 p.m. Program, 306 Borlaug Hall.

TUE- Faculty Consultative Committee, 10:00 a.m. - noon, 398 AlderH.

Hort 8063, Discussions in Horticultural Plant Breeding, 1:00-3:00 p.m., 152 AlderH.

Public Relations Committee, 2:00 p.m., 398 AlderH.

PBS Colloquium, Regulation of Fatty Acid Biosynthesis in Plants, Dr. J.B. Ohlrogge, Department of Botany & Plant Pathology, Michigan State University, 3:30 p.m., 335 Borlaug.

WED- Undergraduate Affairs Committee, 8:30-10:00 a.m., 398 AlderH.

Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Amy Moberg and Brad Pedersen.

Plant Breeding Seminar, Breeding for quality in horticultural crops, Rita Pasini, Horticulture Masters student, 3:30 p.m., 306 Borlaug.

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

GCB Seminar, Regulation of growth hormone responsive genes, Susan Berry, Dept. of Pediatrics, U of M, 3:30 p.m., 33 McNeal.

THR- PBS Special Seminar, Alternation of gene expression associated with ABA- and Proline-induced chilling tolerance in cultured maize cells, Zhanguo Xin, final defense seminar, Plant Physiology PhD student, Dept of Horticulture, 9:00 a.m., 394 AlderH.

FRI- Horticulture Seminar, Genetic engineering of membrane lipids and low temperature tolerance in plants, Norio Murata from the National Institute for Basic Biology, Okazaki, Japan, 3:30 p.m., 495 Hodson.

ATTENTION FACULTY: CRIS AD-421 Progress Report forms due to Evonne.

January, 1993				
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1992 VACATION/SICK LEAVE....absence cards for civil service employees should be turned in to Laura Kalisch no later than Friday, January 15.

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WELCOME....to **Julie Gurewitz**, the department's new accounts assistant. Julie will be working Monday-Friday, 7:30-2:00. She will be able to assist you with your purchasing needs. Please stop by the accounting office and say hello.

\*\*\*\*\*

REMINDER....The annual safety training will be on Wednesday, January 20 at 3:30 p.m., 415 AlderH. Project leaders please remind your students (undergrad/graduate) to attend. Thank you. CT.

\*\*\*\*\*

FOR SALE....Horticultural Science T-Shirts, \$13.00, 100% cotton in M,L,XL,XXL. Sponsored by Hort Club. See Kath Lloyd in 305 AlderH to purchase.

\*\*\*\*\*

COA FACULTY ASSEMBLY.....for Winter Quarter will be Wednesday, March 17, 10:00-12 noon, SPSC Theatre. Please mark your calendars.

\*\*\*\*\*

COMPLEAT SCHOLAR PROGRAM....announces Producing a Professional Scientific Poster, PSch 0977, to be held April 7-May 28, St. Paul Campus. Kristine Kirkeby, instructor, 624-0013.

\*\*\*\*\*

A M E R I C A N R H O D O D E N D R O N SOCIETY....wishes to announce that grants for research on rhododendrons and azaleas will be made by July 1, 1993 in amounts up to \$3000. **Deadline** to apply is **April 1**. Posted across from faculty mailboxes.

\*\*\*\*\*

MOVING.....AIS will be relocating its computer system to 1300 South Second Street, Minneapolis. The move is part of the plan to locate all of AIS to new facilities. AIS computer resources will be unavailable from midnight, January 15 to 6:00 a.m., Tuesday, January 19. Questions? Call 624-1076.

\*\*\*\*\*

GREATER MINNESOTA PROGRAMS.....presents

February 6, A Creative Approach to Integrating Home & Garden.  
February 20, New Beginnings.  
March 13, Creative Rejuvenation.  
March 27, The Small Urban Garden.

Among the featured speakers, Jane Price McKinnon, Professor Emeritus, University of Minnesota faculty member for 18 years. Co-Sponsored by MN State Horticultural Society, MN Landscape Arboretum, Hennepin Technical College, Mankato Technical College, Willmar Community College, Itasca Community College. To register by phone, call 612-624-7752.

\*\*\*\*\*

SUSTAINABLE AG CONFERENCE TO BE HELD AT U.....One year after the world adopted the United Nations Earth Summit's historic commitment to sustainable agriculture, a global follow-up conference will be held in Wiley Hall, University of Minnesota. "AGENDA 21: Sustaining the Earth Summit," June 22-26. If interested, call 612-374-3656.

\*\*\*\*\*

KUDOS....to Neil O. Anderson, Peter D. Ascher & Richard E. Widmer who recently authored Inbreeding depression in garden and glasshouse chrysanthemums: germination and survivorship, Euphytica 62:155-169, 1992, 1992 Kluwer Academic Publishers. Printed in the Netherlands.

\*\*\*\*\*

Have a Good Week!

# twig bender

Volume 11 - #2 -- January 15, 1993  
Editor: Evonne Kuyper

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

January, 1993				
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## WEEKLY CALENDAR

- MON- University Holiday
- TUE- Hort Scholarship Committee, 9-11 a.m., 398 AlderH.  
  
Greenhouse Subcommittee, 11:00 a.m., 152 AlderH.  
  
Hort 8063, Hort Plant Breeding, 1-3 p.m., 152 AlderH.
- WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Jerry Pierson and Lynnette Brudvig.  
  
Department Seminar, annual employee safety training, 3:30 p.m., 415 AlderH. Students, staff and faculty are required to participate in this training. Please bring your safety manual. If you are unable to attend this session, sign up for make-ups in the front office.
- THR- Faculty meeting, 10:00 a.m., 394 AlderH.  
  
GCB Seminar, Isolation of the Menkes disease gene: a copper-transporting APTase, Jane Gitchee, Howard Hughes Med. Inst., University of California-San Francisco, 3:30 p.m., 33 McNeal.  
  
Hort 8066, Use of isozyme and molecular markers in plant genetics, Maria Marcano, Plant Breeding graduate student, 4:05 p.m., 394 AlderH.

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CONGRATULATIONS.....Zhanguo Xin passed his Ph.D. exam on January 14.

\*\*\*\*\*

BABY GIRL.....Emma Jane Read, daughter of Paul & Chris Read, born 1/12/93 at 3:15 p.m., at 8 lb 1 oz. Word received is that Ma & Pa are doing fine and visitors are welcome. Congratulations!

\*\*\*\*\*

TALENTED MUSICIAN....Little Torval surprised the teachings staff over at school by actually displaying some talent. It appears that he has some natural abilities as a musician. The instructor sent a note home with Torval suggesting that the parents purchase a musical instrument for the lad. Big Ole and Lena were so proud of their son that they immediately went out and bought him a shoe horn.

\*\*\*\*\*

TEACHING ASSISTANT OPPORTUNITY....TA needed for Horticulture 1010, Home Horticulture, for spring quarter, 1993. See Wes Hackett or call 4-9212.

\*\*\*\*\*

FACELIFT.....the new Landscape Design lab (405) is up and running. Students are utilizing the simplex access control to enter, the combination will change regularly. Faculty can still enter by their sub-master through the south door. Stop by and take a look. Hort 3030 is in session TTH from 12:50-1550. B. Pedersen.

\*\*\*\*\*

SKIT PARTY.....any interest in a Skit Party in February. Talk to Kath Lloyd to volunteer your organizational skills.

\*\*\*\*\*

**GREENHOUSE NEWS  
Winter Quarter 1993**

Horticulture courses using the greenhouse classrooms during the day are:

Hort 1023 - Indoor Plants & Landscape, D. Brown, instructor.

Hort 1036 - Plant Propagation, P. Ascher, instructor.

CEE courses using the greenhouse classroom in the evening are:

Hort 3031 - Fruit Science, L. Hertz, instructor, Wednesday eve.

Hort 3072 - Turf Management, D. White, instructor, Monday evenings, Feb 15-April 19.

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SECURITY....the cast doors leading out to the sections K-6, H-6, G-6, F-6 and E-6 should be used in **emergencies only!**

\*\*\*\*\*

REVOLVING OFFICE....I have moved backed to my old office (186) across from the shop. My former office (175) is now being used as a teaching prep room. An overhead projector and two slide projectors will be housed in this room. The phone in this room will be that of the greenhouse (4-3080) number. Faculty and TA's who need a key for this room should see me. Roger Meissner.

\*\*\*\*\*

PESTICIDE POSTING.....new signs required by Environmental Health are now being used. These will be posted on the orange entry doors leading to the greenhouse sections where pesticide spraying has taken place.

KUDOS....Michael R. Evans, Harold F. Wilkins and Wesley P. Hackett who authored Meristem ontogenetic age as the controlling factor in long-day floral initiation in Poinsettia, J.Amer.Soc. Hort.Sci. 117(6):961-965. 1992.

and

Michael R. Evans, Harold F. Wilkins and Wesley P. Hackett who authored Gibberellins and temperature influence long-day floral initiation in Poinsettia, J.Amer.Soc.Hort.Sci. 117(6):966-971. 1992.

and

Wesley P. Hackett who authored Minireviews of research activity: use of juvenile & mature phases of *Hedera Helix* to study flowering competence, FNL 14, November 1992.

\*\*\*\*\*

CEE INSTRUCTORS ANNOUNCED FOR SPRING QUARTER.....Hort 1021, Woody Plant Materials, St. Paul Campus, will be taught by Jim Calkins.

Hort 1022, Herbaceous Plant Materials, MN Landscape Arboretum, will be taught by Mary Meyer.

See you Tuesday!

# twig bender

Volume 11 - #3 -- January 22, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

SUN- Jan 24 - 9 a.m. & 9 p.m. Channel 6 MCN  
HORT AROUND THE WORLD: Spices from Africa, corn from Mexico, paper from China - people depend on plants.

MON- Plant Breeding Seminar, CIMMYT Wheat Breeding, Dr. Sanjaya Rajaram, 3:30 p.m., 306 Borlaug.

Horticulture Club Meeting, 5:00 p.m., 394 AlderH. Scott Lejonvarn will show slides of his trip to Columbia. Lunch served. Bring names of possible candidates for next years officers!

TUE- Hort 8063, Discussions in Horticultural Plant Breeding, 1:00-3:00 p.m., 152 AlderH.

PBS Colloquium, Integration of Hydraulic and Chemical Signalling in the Control of Stomatal Conductance and Development of Droughted Plants, Dr. W. J. Davies, Institute of Environmental and Biological Sciences, Lancaster University, UK, 3:30 p.m., 335 Borlaug.

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

Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Greg Gingera and Florian Lauer.

Department Seminar, Ear Resistance to European Corn Borer in Sweet Corn Breeding Lines and Testcrosses and Preliminary Studies on Stability of Resistance, Mary Joyce, Masters graduate student in Horticulture, 3:30 p.m., 415 AlderH.

THR- GCB Seminar, Pattern Formation in the Development of Peripheral Sense Organs in the *C. elegans* male Tail, Scott Emmons, Dept. of Molecular Genetics, Albert Einstein College of Medicine, New York, 3:30 p.m., 33 McNeal.

THR- Graduate Student Brown Bag Lunch, noon to 1:00, 394 AlderH. Dessert Provided by Paul B.

PR Committee, 1:00 p.m., 398 AlderH.

Hort 8066, Discussion of January 14 Prelim Question, Drs. Smith, Carter, and Strefeler, 4:05 p.m., 394 AlderH.

FRI- Graduate Studies Committee, 2:30 p.m., 394 AlderH. Committee members are reminded to review all the student applications before this meeting.

## January, 1993

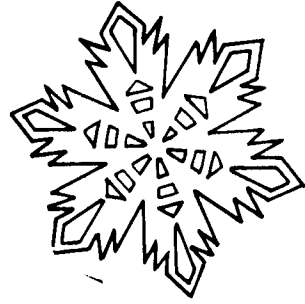
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SPECIAL GRANTS PROGRAM.....The University of Minnesota Commission on Women announces its Special Grants Program to support projects which further the Commission's goals: to improve and enhance the working and learning environment for University women. We encourage proposals for a range of projects including, but not limited to: special events, publications, speakers' series, curriculum change, and workshop, program or conference planning. Projects that recognize diversity on campus, and bring together faculty, staff, and students are particularly encouraged. Application deadline: February 23, 1993. To receive an application form, call Jessica Morgan at 626-8780.

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OVERDUE....did you turn in the CRIS AD-421 Progress Report to Evonne by Jan 15???? Please do so immediately.

COGS.....Jan 20, was the first winter quarter general assembly meeting. The main item on the agenda was a new draft of the University Grievance Policy. A faculty member who had worked on the draft gave a presentation, followed by a heated discussion. The consensus was that this draft is not good enough for the U of MN students. I proposed to send in written comments to the COGS office, which was agreed upon. Please if you want to have input on this issue, stop by and pick up a copy. Gerard Engelen, 380 AlderH.



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UNIVERSITYHOLIDAYSCHEDULES...for1993-94

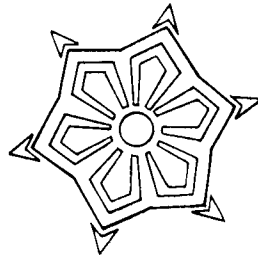
Major Holidays (all campuses)

Independence Day	July 5, 1993
Labor Day	September 6, 1993
Thanksgiving Day	November 25, 1993
Christmas Day	December 24, 1993
New Years' Day	December 31, 1993
Martin Luther King Day	January 17, 1994
Memorial Day	May 30, 1994

Floating Holidays (Twin Cities)

November 26, 1993  
December 23, 1993  
March 25, 1994

The eleventh holiday has been designated a personal holiday for 1993-94. Memo is posted in main office with details.



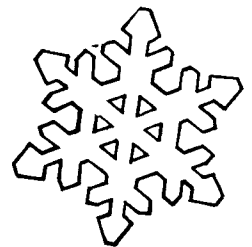
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HORT PR.....the Public Relations is soliciting photos to be used on a departmental display and for recruiting students. Slides are fine. We prefer action shots with students in them. They should be colorful and not taken from a huge distance so they're too small when reproduced on a brochure. Please submit them to Deb Brown. They'll be returned promptly.



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FOUND THE PROBLEM....every morning on her way to work, Big Ole's wife, Lena, stopped into a local restaurant to have a cup of coffee and a large Danish pastry. However one morning she just ordered coffee. "Vat!! Don't yew vant Danish pastry tewday?" asked Hilda the waitress. "Vell, no," replied Lena. "I just discovered dat dey are making all my clothes shrink!!"



HAVE A GOOD WEEKEND

# twig bender

Volume 11 - #4 -- January 29, 1993  
Editor: Evonne Kuyper

Department of Horticultural Science  
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February, 1993				
1	2	3	4	5
8	9	10	11	12
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## WEEKLY CALENDAR

MON- Quarterly State Extension Faculty meeting, 8:15 a.m., 135 EBC.

Biological Forum, Recent developments in studies of aging: Experiments with Drosophila, Dr. James W. Curtsinger, Department of Ecology, Evolution and Behavior, U of M, 7-7:30 p.m. social, 7:30-9:30 p.m. program, 306 Borlaug.

TUE- Garden Committee, 9:00 a.m., 398 AlderH.

Hort 8063, Discussions in Hort Plant Breeding, 1-3, 152 AlderH.

PBS Colloquium, Physiology and Genetics of Sucrose Utilization, Dr. Karen Koch, Department of Fruit Crops, University of Florida, 3:30 p.m., 335 Borlaug.

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Rebecca Brown, Gerard Engelen.

Department Seminar, Stalking the wild strawberry, Dr. Jim Luby, 3:30 p.m., 415 AlderH.

THR- GCB Seminar, Molecular genetics epidemiology of diabetes mellitus, Steve Rich, Department of Lab. Med. & Pathology, U of M, 3:30 p.m., 33 McNeal.

Hort 8066, Functional analysis of tapetal-specific genes, Ridong Chen, 4:05 p.m., 394 AlderH.

FEBRUARY 18.....is the date of the next prelim exam. Mark your calendars.

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GRANT-IN-AID....of research, artistry and scholarship deadline is March 1, 1993. See Laura Kalisch for application forms.

\*\*\*\*\*

PHONE BOOKS.....Mpls white and yellow pages for 1993-94 will be delivered Wednesday, February 3. Place old phonebooks in bin located outside Hort office before Wednesday. Thanks...Kath Lloyd.

\*\*\*\*\*

WALT DISNEY WORLD....representatives will be on St. Paul Campus February 25 recruiting students for 1994 internship positions in "The Land" pavilion at Epcot Center in Orlando, FL. Internships run January through June or July through December. See Deb Brown, 158 Alderman for more info.

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REMINDER.....we need pictures (slides are okay) for a new recruiting brochure and display for the department. Give them to Deb Brown, P.R. Committee Chair.

\*\*\*\*\*

SEMINAR SCHEDULE REVISION.....  
Feb 10, Structuring the learning environment for increased student participation and learning, Judith LeCount, Coordinator, Teaching Enrichment Opportunities for Faculties, (U of M Human Resources), 3:30 p.m., 415 AlderH. See D.W.Davis for more information.

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FREE.....anyone who has a Commodore computer is welcome to have the Hitchhikers Guide to the Galaxy software. See Kath Lloyd for details.

# twig bender

Volume 11 - #5 -- February 5, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

- SUN- Channel 6 MCN, 9 a.m. & 9 p.m., Como Conservatory: Visit a Twin Cities tropical paradise.
- MON- COA Coordinator of Student Services Candidate Public Seminar, Current issues in student services: implications for the COA, Jean Frederick, 10:30-11:30 a.m., 120 Coffey Hall.
- Public Relations Committee, 11:00 a.m., 398 AlderH.
- Graduate Studies Committee, 2:00 p.m., 398 AlderH.
- Agronomy & Plant Breeding Seminar, Breeding apomictic cereals, Oscar Riera-Lizarazu, 3:30 p.m., 306 Borlaug.
- Hort Club Meeting, 5:00 p.m., 394 AlderH. See article for details.
- TUE- Hort 3099, Senior Seminar, Dispelling the myths of pesticides, Michael Cohrs, 12:50-1:40, 415 AlderH.
- COA Basic Advisor Workshop, 1:30-3:30 p.m., 125 Coffey Hall. Bring your advising manual and learn how to use it..."nuts and bolts" of faculty advising.
- Consultative Committee, 2-3:30 p.m., 398 AlderH.
- Hort 8063, Hort Plant Breeding, 1:00 p.m., 152 AlderH.
- PBS Colloquium, Mechanism of Inheritance of Diclofop Resistance in Italian Ryegrass, Kevin J. Betts, 3:30 p.m., 335 Borlaug.
- Horticulture Landscape Ecology Search Committee, 4:00 p.m., 394 AlderH.
- WED- Undergraduate Affairs Committee, 9:15 a.m., 398 AlderH.
- WED- Greenhouse Committee, 9-10 a.m., Room 193 Greenhouse.
- Department Coffee Hour, 9:30 a.m., 394 AlderH. Treats by Judy Day and Dave Davis.
- COA Coordinator of Student Services Candidate Public Seminar, Current issues in student services: implications for the COA, Mark Bultmann, 10:30-11:30 a.m., 120 Coffey Hall.
- Department Seminar, Structuring the learning environment for increased student participation and learning, Judith LeCount, Coordinator of Teaching Enrichment Opportunities for Faculties, U of M Human Resources, 3:30 p.m., 415 AlderH.
- UMN Sustainable Agriculture Study Group invites you to attend Generic Environmental Impact Statements for Agriculture: Experiences from the Forestry Sector, Dr. Alan Ek, 5:00 p.m., SPSC Room 202.
- THR- Safety Committee, 9:00 a.m., 398 AlderH.
- Faculty Meeting, 10:00 a.m., 394 AlderH.
- GCB Seminar, Probing toloverase RNA structure and function *in vivo*, Daniel Romero, Dept. of Pharmacology, U of M, 3:30 p.m., 33 McNeal.
- Hort 3099, Senior Seminar, Slow Release Fertilizers for Container Nursery Stock, Theresa Stockdale, 12:50-1:40, 415 AlderH.
- FRI- U of M Hort Club VALENTINES DAY SALE, 9-5, SPSC. See article for details.
- COA Coordinator of Student Services Candidate Public Seminar, Current issues in student services: implications for the COA, Catherine Carter, 3:00-4:00 p.m., 120 Coffey Hall.



HORT CLUB NEWS....

Club Meeting, Feb 8 at 5:00 p.m., 394 AlderH.  
Election of 1993-94 officers. Nominees are:  
President.....Scott Endres  
V-President.....P.David Gifford, Kevin  
Danielson  
Treas.....Sue Dryke  
Sec.....Teresa Prior  
GH Coord.....Eric S. Baker  
UAC Rep.....Flora Mercil  
Historian.....Nicole Borstad  
Additional nominations will be accepted prior  
to the election.

Following the meeting, President Carson is  
planning a surprise activity for club members  
and friends. As always, new members are  
always welcome.

Valentines Day Sale is Friday, February 12,  
9:00 a.m., to 5:00 p.m., at the St. Paul Student  
Center. Plants available include: Daffodils,  
Hyacinth, Miniature Roses, Tulips, Mixed Bulb  
Gardens, Iris, Crocus. Shop, Shop, Shop!

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TRAINING.....Emergency Management has  
given me several dates to schedule additional  
sessions for CPR and First Aid training. The  
sign-up sheet is on the round table in the main  
office. Sign up for the session of your choice.  
Laura Kalisch.

\*\*\*\*\*

THEFT...this past weekend, 3 high intensity  
greenhouse lamps were stolen from the 415A2  
greenhouse (Plant Path). They were chained  
and locked and, more than likely, the entry  
doors were also locked. The University Police  
officer suggested that the lights could have  
been taken by cutting the fixture, the chains, or  
the lock. This may not have been a  
preventable theft but some thefts are  
preventable. I suggest that we combat this  
problem by the following methods:

- Lock entry doors after 4:30 weekdays & all day on weekends.
- Lock any valuable items out of sign when not in use.
- Ask any unfamiliar people if they need assistance. If you suspect their motives, let someone in authority know.

This memo came to us from Department of  
Plant Pathology and serve as a reminder of  
good rules for all of us to follow.

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HORT 1023, Indoor Plants and Landscapes . . .  
. taught by Deb Brown. She informs us that  
the class is taking a field trip to Edinborough  
Park, 7700 York So. on Wednesday, February  
10 at 3:00 p.m (return by 5). "There's room on  
the bus for more people, so please join us if  
you're interested". (Edinborough is an Edina  
City Park under glass - an excellent example of  
interior landscaping). Contact D. Brown for  
info.

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UBEEP has declared Wednesdays as  
**Conservation Days** or **C Days** during February.  
From 1-2 p.m. on each C Day, students, faculty  
and staff throughout the University will be  
encouraged to use some fairly painless tactics:  
using daylight to supplement (or when  
possible to replace) electric light; hitting the  
light switch as you leave a room; turning off  
personal computers and other office, lab and  
classroom equipment when not in us. Seven  
campus locations - Duluth, Crookston, Morris,  
StP, and Mpls E and W Banks plus the Health  
Sciences will compete to see who can save the  
most electrical energy. On C Days, electric  
meters will be read before and after the one-  
hour period at each location; readings will be  
compared to baseline data. Bob Erickson,  
Senior Vice President for Finance and  
Operations.

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GRAD STUDENTS....the next prelim exam is  
set for February 18 from 8-4. The papers to  
prepare you for the exam were placed in your  
mailbox this week. Study, Study, Study!

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# twig bender

Volume 11 - #6 -- February 12, 1993  
Editor: Evonne Kuyper

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

February, 1993				
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## WEEKLY CALENDAR

MON- Prelim Study Group, 10-noon, 398 AlderH.

Agronomy & Plant Breeding Seminar, Stress tolerance (salinity, high temperature, drought, acid soils, etc.) in wheat, Bob Murzyn, 3:30 p.m., 306 AlderH.

TUE- Hort 3099, Senior Seminar, Effective marketing for nursery stock, Kenneth Olson, 12:50-1:40, 415 AlderH.

Hort 8063, Hort Plant Breeding, 1:00 p.m., 152 AlderH.

PBS Colloquium, Physiology of maize kernel development, Dr. Robert J. Jones, 3:30 p.m., 335 Borlaug.

WED- Department Coffee Hour, 9:30 a.m., 394 AlderH. Treats by John Erwin and Gary Gardner.

PBS Colloquium, Mechanism of Inheritance of Diclofop Resistance in Italian Ryegrass, Kevin J. Betts, 12 noon, 306 Borlaug.

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

Department Seminar, GLK-8903-alleviated chilling injury in the common bean, Dr. Paul Li, 3:30 p.m., 415 AlderH.

THR- PRELIM EXAM, 8-4, 398 AlderH.

Hort 3099, Senior Seminar, Cultural Practices for Water Management, Scott Lejonvarn, 12:50-1:40, 415 AlderH.

GCB Seminar, Progress toward human gene therapy in Minnesota, Scott McIvor, 3:30 pm, 33 McNeal.

Hort 8066, Research Proposal: analysis of stamen specific gene expression, Ken McNeil, 4:05 p.m., 394 AlderH.

FRI- COA Coordinator of Student Services Candidate Public Seminar, Current issues in student services: implications for the COA, James Mills, 3:00-4:00 p.m., 101 Coffey Hall.

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KERMIT OLSON MEMORIAL LECTURE.....is set for Tuesday, March 9, in the Northstar Ballroom, SPSC. The Department of Horticultural Science invites to you attend the scholarship and awards ceremony at 3:30 p.m. and a 4:00 p.m. lecture by Dr. Peter Raven, Director of the Missouri Botanical Garden. A reception honoring Dr. Raven and department scholarship and award recipients will follow the lecture. Mark your calendar and plan to attend.

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LOST.....does anyone know the current location of the 80A filter for the Nikon camera. It's old home was 356 Alderman....please contact Alan Smith with information.

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HORT CLUB NEWS....

1993-94 Hort Club Officers

President	Scott W. Endres
V-President	P. David Gifford
Treasurer	Susan Dryke
Secretary	Theresa Prior
GH Coordinator	Eric S. Baker
UAC Representative	Flora H. Mercil
Historian	Nicole Borstad

Congratulations!

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COA DEAN's LIST.....Fall 1992. The department wishes to recognize and commend the following students who have taken 12 credits or more during fall quarter and received a GPA of 4.0. They are: Terrel Davison, Hans Hansen, Carla Newton, Heather Kreidermacher (M. Strefeler, advisor), Scott Endres (B. Swanson, advisor), Bridgette Matzinger (D. Davis, advisor) and Sarah O'Leary (D. Brown, advisor). Congratulations on your outstanding achievement!

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MOVED.....Minnesota State Horticultural Society has moved to: Center for Northern Gardening, 1755 Prior Avenue North, Falcon Heights, MN 55113, 612-645-7066, 800-676-6747, FAX 612-645-6709. Open 8 a.m. to 4:30 p.m., Monday thru Friday. A left-over sale is being held at 161 Alderman Hall on Feb 18, 19 (4-7 pm) and February 20 (10am-2pm). Items available include desks, chairs, flower prints, gardening books, non-garden books, memorabilia volumes of old MN Horticulturist & other periodicals.

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HAPPY VALENTINES DAY

# twig bender

Volume 11 - #7 -- February 19, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

SUN- Channel 6 MCN, 9 am & 9 pm, Flower Breeding: Spring-flowering mums, dwarf sunflowers & blue roses.

MON- Agronomy and Plant Breeding Seminar, Resistance to Hessian fly, Dennis Dolan, 3:30 p.m., 306 Borlaug.

Hort Club Meeting, 5 p.m., 394 AlderH. Following the meeting everyone is going miniature golfing. All undergrads, grads, faculty and staff are welcome to join in these meetings and club activities.

TUE- Hort 3099, Senior Seminar, Plant Patents: Should I Patent My New Plant, Troy Carson, 12:50-1:40, 415 AlderH.

Hort 8063, Hort Plant Breeding, 1:00 p.m., 152 AlderH.

PBS Colloquium, Use of Fluorescent Analogues to Look at the Cytoskeleton in Living Plant Cells, Dr. Peter K. Hepler, Department of Botany, University of Massachusetts, 3:30 p.m., 335 Borlaug.

WED- Undergraduate Affairs Committee, 9:15 a.m., 398 AlderH. Dr. Knuppel from Berlin will speak on the undergraduate program at Humboldt University.

Department Coffee Hour, 9:30 a.m., 394 AlderH. Treats by Martha Piechowski and Mary Foster.

Department Seminar **CANCELED**

Minnesota Institute for Sustainable Agriculture presents Informational Meetings on Research Pre-Proposals, 1-3 p.m., 306 Borlaug.

THR- Hort 3099, Senior Seminar, In vitro Propagation of *Lilium martagon* Hybrids, Hans Hanson, 12:50-1:40, 415 AlderH.

Office Staff Meeting, 9 a.m., 394 AlderH.

February, 1993

1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>

COGS.....general assembly meeting, Tuesday, March 2, 3:00 p.m., 320 Coffman Union. Discussion of the report of the committee to review the Graduate School with Anne Petersen, Vice President for Research and Dean of the Graduate School. ALL Grad students are encouraged to attend. Gerard Engelen.

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TWELVE BASKETS.....John Vaughn, coordinator of the 12 Baskets, a program of Second Harvest St. Paul Food Bank will be here February 22 at 3:30 p.m. in 394 Alderman to tell us about their work to feed hungry people. We will again grow vegies in some garden plots specifically for Twelve Baskets. We'll also welcome donations of surplus produce from research plots, classes or your garden. Come hear how you can participate and contribute. For more info, see Pam Sanders or Greg Gingera.

\*\*\*\*\*

CHILI CONTEST.....date announced. Reserve March 1 on your calendar. Who is going to steal the 1st place award from Evonne Kuyper? More later....Kath Lloyd.

\*\*\*\*\*

PLASTIC BAGS.....are needed for Hort 1036 students. If you have any extra around home, bring them in for the class to use. Leave them with Laura Kalisch, Paul Johnson or Pete Ascher. Thanks.

\*\*\*\*\*

DEADLINE..is Wed., Feb. 24 for sign up to attend the First Aid & CPR Training (305 Alder).

SEED EXCHANGE....."I don't know about you, but I'm looking forward to spring, and I've already ordered seeds for my garden! Is anyone interested in a seed exchange in the spring? If so, please let me know. If there are enough people (maybe 10), I'll organize a seed exchange". Cindy Tong

\*\*\*\*\*

SAFETY TRAINING MAKE-UPS....to those 23 or 24 people who need to attend next week's safety training session - **you only have to attend ONE session**. We will be offering the **SAME** session 10 times next week so you will have ample opportunity to attend safety training. We would appreciate it if you would sign up for a specific session. The sign up sheet is in 305 Alderman and already has your name on it.

\*\*\*\*\*

GOOD AT MATH.....Lena was excited as she rushed out to talk to Big Ole. "Dat vas Little Olaf on de phone, calling from college. He says dat he yust totaled his car." "Dat's nice," said Ole, "He vas always good vit arit'metic."

HAVE A GOOD WEEK!

# twig bender

Volume 11 - #8 -- February 26, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

MON- Biological Forum, International Trade Developments and Implications for Research, Dr. C. Ford Runge, Professor and Dr. Vernon W. Ruttan, Regents Professor, Agricultural & Applied Economics, U of MN, 7-7:30 pm Social, 7:30-9:00 pm Program, 306 Borlaug.

Agronomy & Plant Breeding Seminar, Single vs. multiple gene insect resistance: case study with BT, Jonathan Shaver, 3:30, 306 Borlaug.

TUE- Chili Contest, 12 noon, Shirley's kitchen. Contestants have their chili ready by 11:30 a.m., by popular choice - we the people will choose the winner by ballot.

Hort 8063, 1-3, 152 AlderH.

Hort 3099, Senior Seminar, Preservation of our historic public parks, Sarah O'Leary, 12:50-1:40, 415 AlderH.

Faculty Consultative Committee, 2-3:30, 398 AlderH.

PBS Colloquium, Molecular Nature of Quantitative Trait Loci for Model Traits, Dr. Ben Burr, Biology Department, Brookhaven National Laboratory, Upton, NY, 3:30 pm, 335 Borlaug.

WED- Department Coffee Hour, 9:30 a.m., 394 AlderH. Treats by Maria J. and F. Lauer.

MISA Informational Meetings on Research Pre-proposals, 1-3 pm, 491 Borlaug.

Graduate Studies Committee, 2:15 pm, 398 AlderH.

Department Seminar, Inheritance of growth habit, PGI isozymes and cytology in fountain grass, Mary Meyer, 3:30 pm, 415 AlderH.

THR- Hort 3099, Senior Seminar, Ethnic Preferences for Capsicum Varieties: A Potential Market Niche, Allan Brown, 12:50-1:40, 415 AlderH.

GCB Seminar, Segmentation and Somitogenesis in the zebrafish, Robert Riggleman, Dept. of GCB, Washington State University, Pullman, WA, 3:30 pm, 33 McNeal.

Hort 8066, Discussion of February 18 prelim question, Drs. Lauer, Luby, & Davis, 4:05 pm, 394 AlderH.

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KERMIT OLSON MEMORIAL LECTURE.....is set for Tuesday, March 9, in the Northstar Ballroom, SPSC. The Department of Horticultural Science invites to you attend the scholarship and awards ceremony at 3:30 p.m. and a 4:00 p.m. lecture by Dr. Peter Raven, Director of the Missouri Botanical Garden. A reception honoring Dr. Raven and department scholarship and award recipients will follow the lecture. Mark your calendar and plan to attend. A folder with a list of his publications is taped on counter across from faculty mailboxes for your perusal.

\*\*\*\*\*

COA Faculty Assembly Meeting, 9:30-10:00 a.m., reception, 10-12 noon, meeting, SPSC Theatre.

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LIBRARY ADDITION...(room 398 Alderman) Andersen Horticultural Library's Source List of Plants and Seeds. Feel free to check it out.

March, 1993

<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30	31		

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Greenhouse Update  
Roger Meissner

INCONVENIENCE....the keys and gas credit cards for vehicle 3471 (big blue station wagon) are MISSING! If you have them, please return them to my mailbox. Another set has been reordered at a cost of \$10 each. It will be two weeks before we receive them.

GH SPACE SHORTAGE....during Spring Quarter, the department is facing a greenhouse space crunch! We are short one full section for teaching. If your project will have any extra gh space available, please let me know.

---

TA WANTED....(1/4 time) for Hort 3040, Landscape Design and Implementation. See Brad Pedersen (454 or 405 Alderman on Tuesday/Thursdays), call 624-7407 or 507-835-3620 in Waseca.

WELCOME TO SPRING.....Mary and Dave's Pancake Breakfast, Friday, March 12, 1993, 8:00-10:00 a.m., 394 AlderH. These will be the best pancakes that you ever tasted (Mary's special recipe). Please remember to bring food items for the breakfast on March 11 (we need to have the items ready early in the morning on March 12). Bring your own dishes and silverware. Sign-up in back hall. People are needed to set up & clean-up Shirley's Kitchen.

LOST....(since November) Who has borrowed the digital thermometer from Bud's lab? Description: a 1 m wired thermocouple connected to a measuring device (a black case; 8x15x2 cm), all placed in a brown cover with zipper. Please let me know if you are using it or have seen it somewhere. Your help is greatly appreciated! Thanks, Maria Janssen.

CONTEST AND EXHIBITION...MN Landscape Arboretum invites you to enter Picture Plants 1993. Exhibitors must be 6-22 year of age and entries must be submitted by June 18. For specific classes of entry and contest rules, contact Susan Neilsen, 340 Coffey Hall or check purple posting on bulletin board.

KUDOS.....Wesley P. Hackett & John R. Murray who authored Maturation and Rejuvenation in Woody Plants, Acta Horticulturae 314, 1992, Propagation of Ornamental Plants, pp. 195-203.

Wesley P. Hackett & John R. Murray, Maturation and Rejuvenation in Woody Species, M.R. Ahuja (ed.). Micropropagation of Woody Plants. 93-105. 1993 Kluwer Academic Publishers. Printed in the Netherlands.

Wesley P. Hackett, John R. Murray & Alan Smith, Control of Maturation in Woody Species, Actes Proceedings, Symposium Bordeaux France, 1992. pp. 83-90.

ASTUTE GRAD STUDENT ASKS...."What is the pH of the greenhouse water?" Well the very competent greenhouse manager answered with a resounding "High!" So this austere committee of two decided it was time to run a water test and see what was up. The results of that test are as follows:

pH	8.2
Alkalinity	59 mg
SS	25
NO <sub>3</sub>	4
NH <sub>4</sub>	1
P	<1
K	4
Ca	16
Mg	13
Na	14
Fe	.03
Mn	<.01
Zn	.01
B	.05

From this, the austere committee decided to calculate the amount of 85% phosphoric acid it would take to bring the water pH down to 6.2, a level more satisfactory for many plants grown in the greenhouses. By hook, or by crook they discovered it would take 5.07 ounces of 85% phosphoric acid to reduce 1000 gallons of the water pH to 6.2. (Now you ask "Why would they want to use 85% phosphoric acid?" Well, the answer is that's what Roger has in stock!) O.K. so you don't want to mix up enough stock for 1000 gallons of water. If you are using a Hose-on injector and a five gallon bucket for your stock tank, it reduces down to .40 ounces of acid in a bucket. The committee regrets to inform you that with the tables they have, 6.2 is the only pH they can calculate to, but it is a very fine pH and should be satisfactory for most of you, or at least better than 8.2. If you have any questions about this, see the committee chair, Roger Meissner or the water test interpreter, Debbie Schwarze.

# twig bender

Volume 11 - #9 -- March 6, 1993  
Editor: Evonne Kuyper

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

March, 1993				
1	2	3	4	5
<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
15	16	17	18	19
22	23	24	25	26

## WEEKLY CALENDAR

MON- Agronomy & Plant Breeding Seminar, Selection for unpredictable environments, Maria Marcano, 3:30, 306 Borlaug.

Hort Club Meeting, 5:00 p.m., 394 AlderH. Guest speaker: Neil Anderson, Floral Design. This is a hands-on floral design meeting and is open to anyone in department. Dinner served by president Troy Carson and Karen Schaller.

TUE- Office staff meeting, 8 a.m., 398 AlderH.

Hort 8063, 1-3, 152 AlderH.

Hort 3099, Senior Seminar, Dried Flower Production, Brenda Bastian, 12:50-1:40, 415 AlderH.

PBS Colloquium, Premeiotic and Meiotic Chromosome Behavior in Coprinus cinereus, Dr. Pat Pukkila, University of North Carolina-Chapel Hill, 2:30 pm, 335 Borlaug.

Kermit Olson Memorial Lecture....SPSC Northstar Ballroom, scholarship and awards-3:30, lecture at 4:00 by Peter Raven. Reception will follow.

WED- Undergraduate Affairs Committee CANCELLED.

Department Coffee Hour, 9:30 a.m., 394 AlderH. Treats by Cheri Reese and Emily Hoover.

WED- Agronomy & Plant Breeding Seminar, Expected shifts in weed species and morphology due to reduced input crop management, Brett Bussler, 3:00, 306 Borlaug.

Sustainable Ag Study Group, Why Don't These Farmers Do What We Want Them To?, 4:30 p.m., STSC 202, Professor Steve Taff, Dept. of Ag & Applied Econ., presents information about federal ag subsidies and speculates on future role of government in agriculture. Are Federal agricultural policies an effective means to achieve environmentally sound farming practices?

THR- Faculty Meeting, 10 a.m., 394 AlderH.

GCB Seminar, Structure and regulation of the exocytotic fusion pore, Julio Fernandez, Mayo Clinic, Rochester, MN, 3:30 p.m., 33 McNeal.

Extension Vegetable Subcommittee, 1-4 p.m., 398 AlderH.

Hort 8066, Research Proposal, Jan Erik Backlund, 4:05 p.m., 394 AlderH.

Interruption of building water service for Alderman Hall, 5 p.m. to 2 a.m. If a problem call 624-5303.

FRI- Last day of classes, Winter Quarter.

Mary and Dave's Pancake Breakfast, 8:00-10:00 a.m., 394 AlderH. Sign up in back hallway TODAY.

Campus Visit Days for Transfer Students, COA, Department visit, 2:30 p.m., B. Swanson.

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DATE.....for the COA Faculty Assembly Meeting, March 17, 9:30-10:00 a.m., reception, 10-12, meeting, SPSC Theatre.



WELCOME TO SPRING.....Mary and Dave's Pancake Breakfast, Friday, March 12, 8:00-10:00 a.m., 394 AlderH. These will be the best pancakes that you ever tasted (Mary's special recipe). Please remember to bring food items for the breakfast on March 11 (we need to have the items ready early in the morning on March 12). Bring your own dishes and silverware. Sign-up in back hall. People are needed to set up & clean-up Shirley's Kitchen.

\*\*\*\*\*

PLEASE.....return the Wollensack to the main office. There is a request to use it next week and we cannot locate its whereabouts.

\*\*\*\*\*

OPEN FORUMS....with President Hasselmo on the biennial request and the strategic planning process, March 30, noon-1 p.m., STSC Theatre; March 31, 3:30-4:30 p.m., 3-180 Electrical Engineering/Computer Science; and April 8, noon-1 p.m., Cowles Auditorium, Humphrey Center.

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HRC FAX.....to fax the Hort Research Center, call 474-6886 and tell them you are sending a fax. They will then switch the modem. FAX # 474-9440.

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CHILI CONTEST WINNERS....Shirley's Kitchen was burstin' with eager people tastin' and judgin' the chili contest (27). Everyone said that they enjoyed the chili contest this year. We want to thank the contestants for their time, energy and \$\$ spent on preparing the chili. Contestants were: Rebecca Brown (ONLY FEMALE!!!!), Greg Gingera (Guess who won again - hot and spicy, beany and meaty - oregano did it), Rich Harrison (Spicy, real chili, nice, nice spices), Robert Quene (Some of us really liked the banana, pineapple and mushrooms added to this one), Jerry Pierson (Honorable mention - 3rd place, real manly stuff-nice texture), Dave Olson (No one knew that this was a veggie chili!) - Dave, what BIG chunks of meat. Thanks to Deb Newman and Maria Janssen, what statisticians! Awards will be printed up and given to the winners. Sorry we were so excited about giving out the awards that we threw away the averages.

\*\*\*\*\*

KERMIT OLSON LECTURE The Biodiversity Crisis: What It Means For Us, by Peter H. Raven, Director of the Missouri Botanical Garden, Engelmann Professor of Botany of Washington University, and arguably one of the best-known plant scientists in the country, brings an impressive reputation well-supported by his even more impressive credentials. The author or editor of 16 books and more than 400 papers, a member of the National Science Board, recipient of the International Prize for Biology from the government of Japan, a John D. and Catherine T. MacArthur Foundation Fellow, past president and chair of the National Museum Services Board, the American Institute of Biological Sciences, the Organization for Tropical Studies, and the Botanical Society of America, he is currently working on the fifth edition of the classic textbook The Biology of Plants. The main themes running through all of Dr. Raven's work are an overwhelming sense of the need to conserve our plant resources around the world, but especially in the tropics, and his own personal sense of wonder and delight in the study and use of plants. Dr. Raven has the rare ability to take complex subjects and make them accessible to the general audience, while teaching us to share his concerns and his love for the world of plants.

#### Greenhouse Update

Roger Meissner

Greenhouse space allocation forms for 1993-94 have been distributed. These forms must be filled out and returned to me by March 10th. If you did not receive a form please contact me.

Spring Venting....it is that time of year again. We will be installing the cooling pads in the greenhouse over the next couple of weeks. If you have any questions concerning the cooling/heating operations of the greenhouse, please contact me. I would be happy to go over the system with you.

PROSPECTIVE STUDENT SERVICES....is pleased to announce the addition of Gina Bari to their staff as "High School Liaison". She began her new duties February 16. She will be arranging faculty and departmental visits to meet faculty members, learn about our majors, the strengths of the College of Agriculture and the University of Minnesota.

\*\*\*\*\*

The Minnesota Ag Student Trainee (MAST) program is in need of host families for international trainees that will be attending a two day orientation on the St. Paul campus from March 21 through March 24. Hosts are asked to provide room and board for two or three nights and transportation to and from the St. Paul campus. The orientation schedules works conveniently with the University work schedule. Students can be dropped off at McNeal Hall in the morning and picked up after work on Tuesday. On Monday hosts have the option to drop their student off at Coffey Hall or have them spend the day with their families. Students need to be dropped off with their luggage at the Holiday Inn on Cleveland Avenue in Roseville on Wednesday morning. If you are interested in hosting a student or two or if you would like additional information, please call Sue at 624-2732.

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MINNESOTA MASTER GARDENER program is please to invite you to the 1993 Master Gardener Awards Banquet on the evening of April 3, 1993 at Augsburg College, Minneapolis. This year's event is extra-special because, in addition to honoring our people who have given 10 years or 1000 hours of service, we are celebrating the grand opening of the Center for Northern Gardening, the new home of the Minnesota State Horticultural Society (MSHS). MSHS is co-sponsoring the banquet by providing the keynote speakers who will present some insight into the history of horticulture in Minnesota. It promises to be an interesting evening and Augsburg always provides a great meal. The reception starts at 6 pm, the buffet dinner at 6:30 pm. Tickets are \$12.50 per person. Contact Anne Hanchek or Judy Benson at 443-2460X236 for more information.

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AMERICAN HORTICULTURAL SOCIETY is sponsoring a national symposium entitled: "Children, Plants, and Gardens: Educational Opportunities" to be held August 12-14, 1993 in Washington, D.C. See bulletin board for keynote speakers, sponsors, and registration details.

\*\*\*\*\*

HELP WANTED....for Summer, 1993. Graduate students (or post-docs) are needed to serve as coordinators for noon-hour seminar series for undergraduate research students. About 5 hours per week for ten weeks from June 14-August 20. \$10 per hour or \$500 total for summer. See posting across from grad student mailboxes.

\*\*\*\*\*

#### LOOKING AHEAD TO APRIL

OPEN HOUSE....the College of Veterinary Medicine, April 4, 11 a.m. to 5 p.m. Booths and seminars plus petting zoo, painted cow, fistulated cow, horse shoeing demonstration, tours of Raptor Center, small and large animal hospitals.

PHILIP C. HAMM MEMORIAL LECTURE, Polypeptide Signalling for Inducible Plant Defensive Genes, Dr. Clarence A. Ryan, Washington State University, Pullman, WA, April 8, 3:30 reception, 4:00 lecture, 110 Green Hall.

APRIL 15.....next PRELIM EXAM.

\*\*\*\*\*

HOMETOWN SHOPPERS.....Ole and Lena had relatives visiting from Norway. They showed Helga and Bjarne all over, extolling the advantages of being Americans. "Yah, I guess ve are typical Americans," said Ole expansively. "Ve got our Datsun and Lena's Toyota. Lena has a Gucci vatch and ve have Sony and Toshiba TV sets. And little Hjalmar, he's got vun of dose Suzuki bikes. For supper tonight ve are going to have pizza and tacos. Next veek ve are planning to put some Agfa film in our Zeiss Ikon camera and take off on our vacation to Acapulco."

HAVE A GOOD WEEKEND!

# twig bender

Volume 11 - #10 -- March 12, 1993  
Editor: Evonne Kuyper

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

March, 1993				
1	2	3	4	5
8	9	10	11	12
<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>
22	23	24	25	26

## WEEKLY CALENDAR

MON- Final Exams begin

WED- Faculty Assembly Meeting, 9:30-10:00 a.m., reception, 10-12, meeting, SPSC Theatre.

St. Patrick's Day Coffee Hour, 9:30 a.m., 394 AlderH. Treat by Kath Lloyd and Neil Anderson.

\*\*\*\*\*

ANNUAL SPRING FLOWER SHOW.....by Dayton/Bachman's begin Saturday, March 13 in Dayton's downtown auditorium. An *English Country Garden* will be the theme this year. March 12 from 5:30-7:30 p.m. is the preview party held to benefit the Minnesota Landscape Arboretum.

\*\*\*\*\*

ARBORETUM HOSTS.....annual Sugarbush Pancake Brunch and Tour on Saturday and Sunday, April 3 & 4 from 9 a.m. to 1 p.m. Tours of the Arboretum's maple syrup making operations will be held from 10 to 3 both days. Brunch menu includes all the whole wheat and honey pancakes you can eat, Arboretum maple syrup, nut topping, sausage and a beverage. Ticket sales are limited. Call 443-2460. Cost is \$5 for adults and \$3 for children 12 and younger, under 3 eat free.

\*\*\*\*\*

GRAD STUDENTS.....participate in the democratic process. Return your election nomination sheets ASAP. (Nominate your friends, your enemies or someone you love.) G. Gingera.

GRANDPA SOWOKINOS....called with news of his first grandson(s). Yes, that's plural as in twins born to Doug & Diane Sowokinos on March 4. Both have middle names after the two grandpas.....Blake Robert at 6 lbs 4 ozs and Matthew Joseph at 4 lbs 14 ozs. Congratulations!

\*\*\*\*\*

THANK YOUs.....to these "great" people who helped me with the Kermit Olson Lecture and Reception: Deb S., Neil A., Julia B., Greg G., Jan B., Paul B., Mary F., Steve.L., Ken M., Karl S., Kerstin C.! Kath Lloyd

\*\*\*\*\*

HRC FAX update.....they now have an auto fax switch on their phone recorded message that will automatically switch it to a FAX when it is a FAX. FAX # 474-9440.

\*\*\*\*\*

GARDEN PLOTS...for 1993. A sign-up will be posted by the faculty mailboxes on Wednesday, March 17. There are only 28 garden plots (approximately 20 x 20) available at a cost of \$5. Half plots are also available for \$2.50.

\*\*\*\*\*

KUDOS.....to Joe Sowokinos on three recent publications:  
Sowokinos, J.R., J.P. Szychalla and S.L. Desborough. Pyrophosphorylases in *Solanum tuberosum* IV. Purification, localization, and physicochemical properties of UDP-glucose pyrophosphorylase. *Plant Physiol.* 101:1073-1080.  
Sowokinos, J.R. and J.L. Varns. Induction of sucrose synthase in potato tissue culture: Effect of carbon source and metabolic regulators on sink:strength. *J. Plant Physiol.* 139:672-679.  
Gounaris, Y. and J.R. Sowokinos. Two-dimensional analysis of mitochondria proteins from potato cultivars resistant and sensitive to cold-induced sweetening. *J. Plant Physiol* 140:611-616.

STOLEN.....please return, no questions asked!  
I promise not to prosecute. I'm missing my  
Gopher hockey popcorn bucket. Evonne

\*\*\*\*\*

LAB FEST '93.....April 14, 10 a.m., - 4:30  
p.m., once again University Stores and Lab  
Services (formerly LPIS) will be sponsoring its  
Scientific Product Show of 50+ scientific  
vendors and University departments with lab  
supporting functions. This one-day event will  
be held at the Radisson Hotel Metrodome on  
Washington Avenue S.E. Technical seminars  
will be presented by Beckman, Gentra,  
Gibco/BRL, Scientific Instrument Services,  
and more. Food and door prizes are in excess!  
\$1000 Grant Prize in lab supplies will be  
donated by participating vendors. FFI 626-  
8024.

\*\*\*\*\*

FULBRIGHT SCHOLAR COMPETITION,  
1994-95.....for faculty lecturing and research  
abroad will open March 1. Contact Gary M.  
Gardner for further info.

\*\*\*\*\*

NEWLY ESTABLISHED  
INTERNSHIP.....through a major gift to the  
American Floral Endowment in 1992, the Vic  
and Margaret Ball internship program was  
established for students interested in the  
production aspects of floriculture. The  
internship seeks to attract students to the  
floriculture industry and encourage them to  
receive a complete education that includes a  
meaningful work experience in the production  
phases of floriculture. See front bulletin board  
for flyer. Evonne has applications, deadlines  
are May 1 and November 1.

\*\*\*\*\*

ANNOUNCING....International Symposium,  
Agadir, Morocco, January 16-22, 1994.  
Postharvest Physiology, Pathology and  
Technologies for Horticultural Commodities.  
Registration deadline: September 30, 1993.  
Abstract submission deadline is August 10,  
1993. See Evonne for more information.

\*\*\*\*\*

PROCEEDINGS....of the International  
Conference on Agricultural Management of  
Salt-affected areas held in Agadir, Morocco.  
Plant Salinity Research, New Challenges,  
edited by Redouane Choukr-Allah, Institut  
Agronomique et veterinaire Hassan II -  
C.H.Aa. Agadir, Morocco. See Evonne to  
check out The Proceedings from our library in  
398.

\*\*\*\*\*

DEADLINE.....to submit research proposals for  
funding by the Bedding Plant Foundation is  
April 1.

\*\*\*\*\*

LOTTERY WINNINGS.....two farmers were  
talking over the fence one morning. One said  
to the other. "What would you do if you won  
the 55 million dollar lottery?" The other  
farmer thought for awhile and answered,  
"Well, I'd keep farming until I used it all up!".  
P. Ascher.

\*\*\*\*\*

Remember, March can in like a .....



# twig bender

Volume 11 - #11 -- March 19, 1993  
Editor: Evonne Kuyper

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

March, 1993				
1	2	3	4	5
8	9	10	11	12
15	16	17	18	19
<u>22</u>	<u>23</u>	<u>24</u>	<u>25</u>	<u>26</u>
29	30	31		

## WEEKLY CALENDAR

MON- Spring BREAK

TUE- DEADLINE, noon, grades,  
Evonne...Thanks.

WED- Phoenix or BUST

Scholarship Committee, 1:00 p.m., 398  
AlderH.

THR- PR Committee, 1-2:30 p.m., 398  
AlderH.

Bill Kennedy's Retirement Reception,  
Cherrywood Room, 3:00-5:30 pm.

FRI- Campus Visit Days for Transfer  
Students.

\*\*\*\*\*

LOST....the flash for the camera located in  
Smith's lab. Please return to Kath Lloyd.

\*\*\*\*\*

BUMPER JACKS.....needed by R. Meissner  
and/or D. Davis for a couple of days to assist  
in lifting benches in the greenhouse.

\*\*\*\*\*

SERVICE CHARGE....beginning July 1, 1993  
the University of Minnesota Hospital and  
Clinic Department of Material Services will be  
adding a \$10.00 service charge to each order  
placed by a non-hospital department.  
Questions, comments & general outrage may be  
addressed to Lou Vietti at 6-5447. F. Rodgers.

S.E.L.F.....(Student Emergency Loan Fund) for  
all day school, extension, undergraduate,  
graduate and professional students who have  
registered for the Student Service Fee for the  
quarter in which the application is submitted.  
See flyer for additional criteria and operating  
policies. Karin Foster, S.E.L.F. Administrator,  
625-2650.

\*\*\*\*\*

SPRING BREAK CLEANING....of room 423  
AlderH. Are there any items in that room that  
you may have left behind or that you need to  
store? We plan on cleaning the room in  
preparation for teaching Hort 1022,  
Herbaceous Plant Materials, during Spring  
Quarter. Please leave a note on any item you  
are concerned about by Wednesday, March 24.  
Unmarked items will be considered unwanted  
and be distributed to any taker on Friday,  
March 26. Questions? Contact Anne  
Hanchek or Julia Bohnen.

\*\*\*\*\*

SUSTAINABLE AGRICULTURE....recent  
lectures and prelim exams seemed to have  
sparked some interest in the subject. It has  
been suggested that a discussion groups be  
started to trade ideas on issues related to  
sustainability, ecology, biodiversity,  
conservation, etc. If you are interested in such  
a forum, please drop a note in Paul Bucciaglia,  
Mary Foster or John Carter's mailbox  
indicating a preferred meeting time and  
suggestions for format/subjects.

\*\*\*\*\*

GARDEN PLOTS....the sign-up is posted  
across from the faculty mailboxes. There is a  
limited number of plots so get your name on  
the list today.

\*\*\*\*\*

GRAD STUDENTS....2nd reminder to return  
your election nomination sheets ASAP. G.G.

CHILD CARE SERVICES..... comprehensive high quality child care services and early childhood education programs available on the Twin Cities Campus for all student, staff and faculty parents of young children. Brochures posted on lobby bulletin board.

\*\*\*\*\*

CONGRATULATIONS.....from Associate Dean, Laurie S. Hayes on our grade reporting. There were no late grades for any of the College's departments for Fall, 1992. A total of 3927 grades were submitted on time (Hort had 201 grades). The students appreciate this timeliness and I want to encourage the hort faculty to keep up the good work in getting their grades and contact hours to me. Winter Quarter grades are due me by noon on March 23 (Tuesday). Thank....E. Kuyper.

\*\*\*\*\*

TOUGH WINTER.....Winter had been really tough. Big Ole and Lena had been snowed in on their farm for six weeks. The drifts were so high were was no way to get out or in. Finally, the Red Cross flew in a rescue team by helicopter. It took the team almost 12 hours to shovel through the drifts from the helicopter to the farm house. Finally they arrived at the front door. They knocked on the door, and Ole opened it. "We are from the Red Cross," said a rescue worker. "Uff da!" groaned Ole. "Tew be honest vit yew, it's been a real tough vinter, and Aye don't tink we can give a ting dis year!"

\*\*\*\*\*

# twig bender

Volume 11 - #12 -- March 26, 1993  
Editor: Evonne Kuypers

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

March, 1993				
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<u>29</u>	<u>30</u>	<u>31</u>	<u>1</u>	<u>2</u>

## WEEKLY CALENDAR

MON- Spring Quarter begins

TUE- Computer Committee, 9:00 a.m., 398 AlderH.

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

PBS Colloquium, Genetic and Evolutionary Analysis of Glume Development in Maize and Teosinte, Jane Dorweiler, PBS Graduate Student, 3:30 p.m., 365 Borlaug.

WED- Department coffee hour. Treats by Judy Day and Lynnette Brudvig. Sign up tablet will be available at coffee hour for you to volunteer to bring treats during spring quarter.

THR- Graduate Studies Committee, 10:30 a.m., 398 AlderH.

GCB Seminar, Identical Twins Reared Apart: How Similar Are They?, Thomas Bouchard, Dept. of Psychology, U of M., 3:30 p.m., 335 Borlaug.

Papers for April 15 prelim exam distributed to graduate students. (*And this is no April Fools joke.*)

\*\*\*\*\*

AD HOC SOCIAL COMMITTEE.....what about the *Rites of Spring Picnic*.....could be alot of fun. Anonymous.

SAFETY AND SECURITY.....as you have heard by now, a burglary attempt in the Institute offices plus International Ag in Coffey Hall on March 18-20, ended in bodily harm being done to the female employee who stumbled upon the burglars. Lap top computers were taken along with desk drawers opened and emptied. Vo Tech Ed has also been burglarized this winter. The St. Paul Campus (and Horticulture) is not immune to these problems. If you have attended the special forums held at the SPSC Theatre, you were made aware of the security precautions we all must take. If you suspect something is not right, call for help. Do not approach suspicious people yourself, especially after hours. We all must have a vested interest in maintaining the security of our building and greenhouse facilities. The first and best defense is to ensure that locked doors remain locked after hours. The staff in the main office (305) will secure the front and back doors to maintain security of office equipment and employee safety. If faculty and staff are using the main office before or after hours, secure doors when you come and go. Same policy applies to the greenhouse. We all need to heighten our awareness and secure our units, to provide safety for our faculty, staff and students.

Numbers to know:

EMERGENCY;	911
U of M Police Dept.	624-3550
Escort Service - FREE	624-WALK
24 hr/day, 7 day/wk	
Mpls & St.Paul Campus	

\*\*\*\*\*

WELCOME.....visiting scientist from Egypt, Dr. Salah Farag will be working in Cindy Tong's lab. Dr. Farag's office is 364 Alderman. David Plank, assistant scientist is splitting his time between Mark Strefeler's and Cindy Tong's lab. His office is 435A. Say hello.

\*\*\*\*\*

AGRICOLA and other journal databases are now available on Lumina, including access by a modem. So you can search for your favorite article in the comfort of your own computer! Try it out! Paul Johnson.

\*\*\*\*\*

SEED EXCHANGE....if you have seed for your garden that you want to give away, please drop them off in 435 Alderman by Tuesday p.m. Please label seed packets with your name. If you want seed for your garden, please come to 435 Alderman by March 31 at 4:30 to get what you want. C. Tong

\*\*\*\*\*

ATTENTION GRAD STUDENTS.....Doctoral Dissertation Fellowships for 1993-94 deadline is 12:00 noon, Friday, May 7. Contact the DGS, Jim Luby, for more information. Eligibility requirements are posted across from grad mailboxes.

\*\*\*\*\*

GRANT RECIPIENTS ANNOUNCED - Horticultural Research Institute awarded a grand total of \$125,000 in 1993. Two projects of Harold Pellett's received funding. Development of Stress Tolerant Small Trees, from J. Frank Schmidt Jr. Family Grant and Center for Development of Hardy Landscape Plants Grant for \$3000 and Breeding Cold Hardy, Disease Resistant Shrub Roses (Kathy Zuzek and Harold Pellett) from the Eastern Region IPPS Research Grant, Ollie & Verona Weeks Research Grant for \$2000. Congratulations!

\*\*\*\*\*

REMINDER....Arboretum's annual Sugarbush Pancake Brunch and Tour, April 3 and 4 from 9-1 both days. FMI, call 443-2460.

\*\*\*\*\*

SIGN OF THE TIMES....in a venetian blind shop: "If it weren't for us, it would be curtains for everybody."



Say goodbye to March

HEADS OR TAILS....two men stopped Big Ole on a dark deserted street. The bigger of the two said politely, "Excuse me, sir, I wonder if you'd oblige me with a dime?" Relieved, Ole Said, "Shore, but what good is a dime?" "I wish to toss a coin to decide who gets your wallet and who gets your watch," came the answer.

HAVE A GOOD WEEKEND



# The Twig

Volume 11 - #13 -- April 2, 1993  
Editor: Martha Piechowski

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

April, 1993				
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## WEEKLY CALENDAR

MON- Seminar, Distribution and Abundance of Species in Prairies, Dr. Susan M. Glenn, candidate for HortSci and LA Ecology Position, Room 415 Alderman, 10:30-11:30.

WED- Department coffee hour, 9:30 a.m. in 394. Treats by Betsy Zimmerman and whomever else would be so kind.

Seminar, Factors Controlling Processing Potato Quality During Growth and Storage, Dr. Joseph Sowokinos, Room 415 Alderman, 3:30 p.m.

THR- Faculty Meeting, 9:00 a.m. in 394 Alderman.

Graduate Faculty Meeting, 11:00 a.m.

Hort Research Presentations, Dr. Harold Pellett, Breeding Selection and Evaluation of Woody Landscape Plants, 4:05 p.m., 394 Alderman.

Phillip C. Hamm Memorial Lecture, Polypeptide Signaling for Inducible Plant Defensive Genes, Dr. Clarence A. Ryan, 110 Green Hall, 3:30 p.m. reception, lecture at 4:00.

\*\*\*\*\*

COGS: Need a break from the St. Paul campus, not that it's boring, here is the

opportunity to go to the Minneapolis campus more often!!! There are several very challenging COGS officer positions open for Grad students. Experience is not required, and you don't have to be a COGS rep.. I posted some announcements near the Grad student mail boxes. For more info. on these officer positions please stop by and see Gerard in 262 Alderman. Elections are held at the next COGS general assembly meeting on Wednesday, April 14, 1992, 3:30-5:00 p.m., everyone is invited. Please get involved, it is fun!!

\*\*\*\*\*

APPLICATIONS for the Mary Haga Award for Graduate Women in Science are due June 1, 1993. Please see twig bender editor for more information.

\*\*\*\*\*

A DEDICATION CEREMONY for the Minnesota State Horticultural Society is planned for this weekend at their new location at 1755 Prior Avenue North. They are having gardening sessions on Saturday and children's activities. See the flyer on this which is posted in the hallway.

\*\*\*\*\*

WELCOME to the new colleagues in the Department of Ecology, Evolution & Behavior and Bell Museum. Reception Friday, April 9, Room 150, Ecology Building, 3:00-5:00 p.m.

\*\*\*\*\*

REMINDER: The upcoming prelim exam will be April 15, 8-4, 398 Alderman.

\*\*\*\*\*

A COPY OF the review committee's report on the department has been placed in everyone's mailbox.

# twig bender

Volume 11 - #15 -- April 16, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

SUN- Minnesota Gardening, Channel 6 MCN, 9 a.m. & 9 p.m., Flower Arranging II: New florist's flowers become beautiful bouquets.

MON- Candidate for Horticultural Science & Landscape Architecture Ecology Seminar, Spatial Analysis for Comparison and Restoration of Managed Landscape, Dr. David J. Mladenoff, Research Associate, Center for Water and the Environment, Natural Resources Research Institute of the U of M - Duluth, 10:30-11:30 a.m., 415 AlderH.

Agronomy & Plant Breeding Seminar, Ecology and genetics of plant interactions, Ruth Shaw, 3:30 p.m., 306 Borlaug.

WED- Department Coffee Hour, 9:30 a.m., 394 AlderH. Treats by John Carter and Amy Moberg.

Phytograds meeting, 12 noon, 394 AlderH.

Ecology Building Dedication, 4:00 p.m., Upper Buford Circle, St. Paul Campus. Tours & reception follow the ceremony.

Hort Club Meeting, 6:00 p.m., 398 AlderH. See article for program.

April, 1993				
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THR- Candidate for Horticultural Science & Landscape Architecture Ecology Seminar, Species Diversity Change Along Nitrogen Availability Gradient, Dr. James Thorne, Assistant Professor, Department of Landscape Architecture and Regional Planning, University of Pennsylvania, 10:30-11:30 a.m., 415 AlderH.

HORT. 8066, Biology and Utilization of Turfgrasses, Dr. Donald B. White, 4:05 p.m., 394 AlderH.

GCB Seminar, Molecular genetic study of chromosome segregation and cellular morphogenesis in yeast, Clarence Chan, Dept. of Microbiology, University of Texas, 3:30 p.m., 335 Borlaug.

FRI- College of Agriculture Transfer Day.

Twin Seminars beginning at 3:30 p.m., 394 AlderH.

Phases of rooting in apple micro-cuttings, Geert-Jan de Klerk

AND

Gene expression related to auxin-induced root regeneration in apple, Wm van der Krieken.

\*\*\*\*\*

VEHICLE UPDATE.....keys and checkout calendar for vehicles 3471, 3546 and 3706 are now located in the greenhouse office. Any questions??? See Roger Meissner.

\*\*\*\*\*

DOS PROGRAM.....is available that helps to choose plants for the landscape. The program, developed at Ohio State University, can search for plants having various characteristics. If you want a copy put a formatted disk in my mailbox with room for the program. Help files are included. Questions, see Paul Johnson.

## HORT CLUB NEWS

On Wednesday, April 21, at 6:00 p.m., 398 Alderman, Hort Club is having Gayle Kallevig, from Integrated Digital Products, will give a presentation on a landscape design imaging system. This is a computer program that enables the user to "paint" landscape features onto a picture of a yard that is to be landscape. This is useful in visualizing what the proposed landscape will actually look like after it is installed. Plan to attend this interesting presentation.

Plant Sale is scheduled for May 13, 14, 15, from 9-5.

GRAD STUDENTS....planning ahead? Need a challenging weekend out? How about attending the Midwest Radical Scholar Conference over Memorial Day weekend in Upham Woods, WI. There are good workshops on social issues, the environment, etc. You may want to give a workshop yourself. Interested? See Gerard in room 262 AlderH.

COGS.....had their spring quarter meeting on April 14. Election results: Anne Sales, President; M. Barbouche, Executive VP; D. VanderWalle, VP for finance; R. Taylor, VP communications; Sandy Centale, VP legislative affairs. We also voted to start the University Coalition for Higher Education. This coalition will effectively lobby at the State Capitol for higher education. If this Coalition gets established - it needs university approval - we can expect a \$1 increase in fees per quarter. For more details, see Gerard Engelen, Rm 262.

The Curtis Howard Dearborn Memorial Horticultural Scholarship announces a Memorial Scholarship in the amount of \$1000 a year to be awarded in equal amounts at the beginning of each semester to a graduate student in any phase of horticulture. Application deadline is June 1, 1993. See Evonne for details.

RETIREMENT LUNCHEON...will be held in the Earle Brown Center at noon on May 11, 1993 to thank and honor those who have provided support and service to the University and especially the St. Paul Campus.

KUDOS....The Board of Director's of the American Association of Botanical Gardens and Arboreta (AABGA) recently awarded the Arboretum's Youth Education Program their 1993 Award for Program Excellence. To quote the award letter written by Richard Lightly, AABGA Awards Committee Chair: "I have never reviewed an educational program that was so carefully grounded and developed as this one. Above this, the program carefully incorporated the nurturing the enthusiasm necessary to inspire and motivate children (and others) to positive changes in values." Congratulations to Sandy Tanck (program coordinator) and Joan Nouriles & Sue Nielsen (teachers) for their dedication to this worthwhile program.

WASTE PESTICIDE....container collection dates have been set. These collections provide an opportunity for farmers, commercial applicators and other pesticide users to recycle plastic pesticide containers. To participate in a container collection you must: (1) bring properly rinsed pesticide container to designated site, and (2) be sure container is properly rinsed. No registration is required and no charge to participate. **Caution: pesticide containers are not to be recycled through other plastic recycling programs.** See posting on bulletin board or contact your local County Extension Office; County Solid Waste Officer; or MN Dept. of Ag, Agronomy Services Division (612-296-5136).

SOON TIME...a city slicker stopped at a local gas station where Big Ole was working. It was about 5 pm and the sun was already starting to set. As the grizzled Norse pumped gas, the city slicker casually commented, "I sure hate it when daylight savings ends, and we lose that hour, don't you?" Ole replied, "Vell, out here it stays light until it gets dark, so it doesn't make much difference."

# The Twig

Volume 11 - #16 -- April 23, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

### MON- FFA Days on Campus

Ecology candidate evaluation forms to Don White by 4:00 p.m. You may pick up a form from Kathy Lloyd in 305. Indicate whether you are faculty, staff or graduate student.

### TUE- FFA Days on Campus

PBS Colloquium, P-stress induced proteoid roots alter carbon metabolism and assimilation in Lupin, Jane F. Johnson, PBS Graduate Student, Soil Science, 3:30 p.m., 415 Soils.

### WED- "Bring Your Daughter To Work Day", sponsored by the College of Agriculture. 8:45 - 11:30 time will be spent in parent's work setting.

Department Coffee Hour, 9:30 a.m., 394 AlderH. Treats by Greg Gingera and Evonne Kuyper.

Special Agronomy Seminar, Rethinking the Agricultural Science Disciplines, Professor William Lockeretz, a Research Professor at Tufts University, Medford, Massachusetts, 3:30 p.m., 306 Borlaug.

### THR- GCB Seminar, Transmembrane Signaling in the Maltose Transport System of E. coli, Howard Shuman, Dept. of Microbiology, Columbia University, 3:30 p.m., 335 Borlaug.

Hort 8066, Research Proposal by Rebecca Brown, 4:05 p.m., 394 AlderH.

Seminar for candidate for Superintendent, Southwest Experiment Station, Mission and Management of Southwest Experiment Station, William E. Lueschen, 10:30 a.m., 274 McNeal Hall. Refreshments at 10 a.m.

April, 1993

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CONGRATULATIONS....to Joe Sowokinos who received a Bush Sabbatical Supplement Award to support his sabbatical furlough in 1993-94.

\*\*\*\*\*

ANNOUNCING...Xi Chapter, Sigma Delta Epsilon/Graduate Women in Science Annual Travel Awards, 1992-93. Mary Haga Award applications are due June 1, 1993. FFI contact Dr. Kimerly Wilcox, B-2 Botany Building, Mpls Campus.

\*\*\*\*\*

REMINDER....please record the number of copies you fax each time in the yellow 3 ring folder located in 305 AlderH.

## HORT CLUB NEWS

PLANT SALE, May 13, 14, 15, from 9-5 at the St. Paul Student Center. Plants available include: wildflowers, shade loving plants, annuals, unique perennials, vegetables, "Honeycrisp" apple trees, "Northern Lights" Azaleas, herbs, grasses, hanging baskets.

JOB POSTING.....Jerry Amundson has a job for an undergraduate research assistant II in the Plant Path department. Pay rate is \$7.43/hr. A description is posted on bulletin board in foyer. Fernande Rodgers in 305 Alderman has requisition.

# twig bender

Volume 11 - #17 -- April 30, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

- SUN- Minnesota Gardening Show, Channel 6 MCN, 9 a.m. & 9 p.m., Hazard Trees: Is your tree a safety hazard?
- MON- Office staff meeting, 1 p.m., 398 AlderH.
- TUE- GCB Seminar, Vesicle Fusion during Nuclear Envelope Assembly in vitro: Regulation by ARF and Ca<sup>++</sup> Gradients, Katherine Wilson, Dept. of Biology, Johns Hopkins University, 12:15 p.m., 2-690 Moos Tower, Mpls Campus
- WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Mark Strefeler and Martha Piechowski.
- Hort Club Meeting, 6 p.m., Hort Greenhouse Classroom.
- THR- HORT 8066, Discussion of April 15 prelim question, 394 AlderH, 4:05 p.m. Drs. Hoover, Erwin and Strefeler.
- FRI- College of Agriculture Campus Visit Days for Transfer Students.

May, 1993				
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SYMPATHY.....extended to Van Cline & family. His father died April 20.

\*\*\*\*\*

FINAL THESIS DEFENSE...announced for May 12 at 10 a.m., 394 AlderH, by Mary Meyer.

\*\*\*\*\*

## HORT CLUB NEWS

MEETING, May 5, 6 p.m., 172 Hort Headhouse. Cindy Ash, Extension Pathologist, will be speaking about exciting pathological diseases. A hands-on workshop will be included. Come join us for dinner and this great presentation!

PLANT SALE, May 13, 14, 15, from 9-5 at the St. Paul Student Center. Plants available include: wildflowers, shade loving plants, annuals, unique perennials, vegetables, "Honeycrisp" apple trees, "Northern Lights" Azaleas, herbs, grasses, hanging baskets.

PACKING PEANUTS....left in the xerox room (326) are to be put back in their original box. There is a real mess in that room and Meghan, our student secretary, will be cleaning it up by re-boxing the peanuts for recycling. Again, please keep the them in the original box to eliminate the mess they create and make it easier on the recycling staff. Thank you.

\*\*\*\*\*

VISITORS SEMINAR....Dr. Peter Tigerstedt, Chair, Dept. of Plant Breeding, University of Helsinki, will be visiting here May 3-4. He will give an informal seminar at 3:00 p.m., Tuesday, May 4, 203 Green Hall. If you would like to schedule a visit with Dr. Tigerstedt, contact Harold Pellett (443-2460 Ext 735).

\*\*\*\*\*

COA....announces that May 1 Mark Bultmann will become the Coordinator of Student Services. Mark brings a valuable combination of professional experience and personal contacts. His office is 277 Coffey Hall (624-2746). Welcome from Horticulture.

\*\*\*\*\*

UPCOMING ADVISOR TRAINING SESSIONS . . . May 26, 9-11 a.m., is the basic advisor workshop and portfolio workshop from 1:20-2:30 p.m., same day in 125 Coffey Hall. Send in your registration sheet by May 10.

\*\*\*\*\*

SPRING QUARTER.....Faculty Assembly Meeting, COA, scheduled for Wednesday, June 9, SPSC Theatre. Reception at 9:30 and meeting at 10 a.m.

\*\*\*\*\*

FULBRIGHT SCHOLARS PROGRAM.....for graduate study abroad offers scholarships in over seventy countries. This is a wonderful opportunity for students with well-defined proposals to study or conduct research abroad. Applicants must be U.S. citizens. Information meetings about the program are scheduled for May 26, 10 a.m., 303 Johnston Hall and May 27, 2 p.m., 303 Johnston Hall. Call 625-7579 to reserve a place at one of the two meetings.

\*\*\*\*\*

MINNETONKA CHORAL SOCIETY....along with The Augsburg Choir and The Metropolitan Boys Choir will perform A Symphony of Psalms, a program of beautiful psalms, including works by composers Anton Bruckner, Igor Stravinsky, Leonard Bernstein and Alberto Ginastera. Peter Hendrickson conducts. May 9, 7:30 p.m., at St. Philip the Deacon Lutheran Church, Co Rd 6 and Hwy 101, Plymouth. See Anne Hanchek for information or advance tickets (\$7.50 adults, \$5.00 students/seniors).

\*\*\*\*\*

BIOLOGICAL FORUM....presents a symposium on Assessing Risk, Monday, May 10, 155 Earle Brown Center. Seminars are fee and open to the public. See bulletin board for specifics.

\*\*\*\*\*

GUIDE TO MINNESOTA FOUNDATIONS and CORPORATE GIVING PROGRAMS, 1993-94 is available through Laura Kalisch.

\*\*\*\*\*

PLANT BREEDING DISCUSSION GROUP....Thinking about Heterosis, May 6, 7 p.m., 306 Borlaug Hall. Dr. Ron Philips will give a brief introductory presentation. All are welcome to join us. Jan Backlund.

\*\*\*\*\*

LOTS OF PIE....the winner of the 1992 World Pumpkin Federation's contest for the biggest pumpkin of 1992 was Joel Holland of Washington State. His entry weighed in at 827 pounds - that's alot of pumpkin - that's alot of pie.



JOGGING....is a good way to meet new people - orthopedists, podiatrists, cardiologists and ambulance drivers.

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#### GREENHOUSE NEWS

Roger Meissner

Pumps for the cooling pads will be started up and running the week of 5/3

I will be applying shading compound the first calm day during the week of 5/3. If you would like your greenhouse section shaded, please let me know by 5/3. You can leave a note on my voice mail (4-3631).

If you are in the greenhouse after 4:30 p.m., it is your responsibility to lock the orange hallway doors. Greenhouse staff will lock these doors at 4:30.

New construction on the garden will begin May 6 weather permitting.

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# twig bender

Volume 11 - #18 -- May 7, 1993  
Editor: Evonne Kuyper

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

May, 1993				
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## WEEKLY CALENDAR

MON- Microbial Ecology Seminar, Use of Luciferase (Lux) Gene Fusions to Identify Environmentally-Regulated Microbial Genes, Dr. Frans De Bruijn, Michigan State University, 3:00 p.m., 375 Borlaug.

TUE- Department Faculty Consultative Committee, noon, 394 AlderH.

WED- Department Coffee Hour, 9:30 a.m., 398 AlderH. Treats by Gerard Engelen and Debby Newman.

Final Thesis Defense Seminar, Inheritance of Growth Habit and Phosphoglucosomerase (PGI) in Fountain Grass, Mary Hockenberry Meyer, 10 a.m., 394 AlderH.

Graduate Studies Committee, 12:30 a.m., 398 AlderH.

THR- Faculty Meeting, 9:00 a.m., 394 AlderH.

MISA Seminar, Agenda for Sustainable Agriculture in the Midwest, Robert Olson, Candidate for MISA Coordinator, 10:30 a.m., 125 Coffey.

Hort Club Plant Sale begins, 9-5, SPSC, (May 13-15).

FRI- COA visit days for HS students.

UAC, 12:50 p.m., 394 AlderH.

\*\*\*\*\*

FALL quarter preregistration, May 17.

CONGRATULATIONS to Mary Joyce on successful completion of her Masters Degree on April 20.

\*\*\*\*\*

IT'S TIME TO GO TWINNIN'....the annual University Civil Service Twins game has been scheduled for Sunday, June 27 at 1:05 p.m. They will be playing the California Angels and autographed balls will be given away to the first 15,000 fans under the age of 16. Tickets at \$11.00. Evonne has ticket order forms.

\*\*\*\*\*

MASTERS' SEMINAR.....Storage of Hydration-dehydration Cycled *Lolium perenne* 'Delray' and *Poa annua* L. Seed, Alex Ellram, 3:30 P.M., Wed, May 26, 415 AlderH.

\*\*\*\*\*

PREREGISTRATION INFO.....Economic Entomology 1005 will move to fall quarter (from its traditional spring quarter) beginning fall 1993. Ent 1005 will NOT be offered spring quarter 1994.

\*\*\*\*\*

ENDOWED CHAIR....Dr. Kent Crookston, is delighted to announce that the Endowed Chair in Molecular Genetics has been filled by Dr. David Somers, Professor of Agronomy with specialization in genetics and biotechnology effective July 1, 1993.

\*\*\*\*\*

MAKES SENSE NOW.....Big Ole was losing a lot of his flock of chickens. In desperation he fired off a letter to the Dept. of Ag in Washington, D.C. "Gentlemen, something is wrong with my chickens. Every morning when I come out, I find 2 or 3 laying on the ground, cold and stiff with their feet in the air. Can you tell me what is the matter?" Eight weeks later he received his telegram from Washington: "Dear Sir: Your chickens are dead."

# twig bender

Volume 11 - #19 -- May 14, 1993  
Editor: Evonne Kuyper

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

May, 1993				
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## WEEKLY CALENDAR

SUN- Minnesota Gardening Show, Channel 6 MCN, 9 a.m. & 9 p.m., Rock Gardens: Enjoy the rare beauty of alpine plants and flowers.

MON- Fall Quarter Registration begins

GCB Seminar, Transcription-coupled DNA repair, Philip Hanawalt, Dept. of Biology, Stanford University, 3:30 p.m., 335 Borlaug.

TUE- Women in Agricultural Science brown bagger, Balancing work and family, Marty Rossman, Associate Professor, VoTech Ed, 12 noon, 491 Borlaug.

Retirement Reception for Warren Y. Gore, Department of Rhetoric, 3-5 p.m., The Gallery, SPSC.

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

Department Special Seminar, Observations on the cut flower industry in Morocco, Mr. Len Busch, 3:30 p.m., 415 AlderH.

THR- Sustainable Ag Study Group, an informal discussion forum, 9:30 - 10:30 a.m., 398 AlderH. All are welcome to attend.

MISA Seminar, Agenda for sustainable agriculture in the Midwest, Charlene Chan-Muehlbauer, candidate for MISA Coordinator, 10:30 a.m., 125 Coffey Hall.

THR- Hort 8066, Research on postharvest disease control at the ARC in Egypt, Salah Farag, 4:05 p.m., 394 AlderH.

GCB Seminar, Initiation of eukaryotic mRNA by internal ribosome binding, Peter Sarnow, Dept. of Biochemistry, Biophysics & Genetics, University of Colorado, 3:30 p.m., 335 Borlaug.

FRI- Greenhouse Subcommittee meeting, 8:30 a.m., 394 AlderH.

COA Campus Visit Days for Transfer Students.

\*\*\*\*\*

CONGRATULATIONS...to Dr. Mary Meyer who successfully completed her Ph.D. on Wednesday.

\*\*\*\*\*

## Graduate Student Officers 1993-94

President	Ken McNeil
GSC Members	Paul Johnson Julia Bohnen Mary Foster (Alt)
COGS	Gerard Engelen
Faculty Meeting Rep	Greg Gingera
Seminar Rep	Rick Harrison
Alderman Project	Kerstin Concibido
Card Fund	Amy Moberg
Computer Committee	Rebecca Brown
Social Committee	Robert Quene
Public Relations Rep	Doug Foulk

The new officers will begin their positions on Monday, May 17. I'd like to thank all of the grad students for their help during my year as president. Greg Gingera

\*\*\*\*\*

WORD PROCESSING SECRETARY....M-F, pt days (29 hrs/wk). WP,MS-Dos, MS Works/Windows, general clerical duties. \$6.25/hr. Resume only by May 21. MN State Hort Society, 1755 N. Prior Avenue, Falcon Heights, MN 55113. 645-7066, Jan Strum.



# twig bender

Volume 11 - #20 -- May 21, 1993  
Editor: Evonne Kuyper

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

May, 1993				
3	4	5	6	7
10	11	12	13	14
17	18	19	20	21
<u>24</u>	<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>
31				

## WEEKLY CALENDAR

MON- COA Curriculum Committee, 2:00-3:30 p.m., 101 Coffey Hall.

TUE- Faculty Consultative Committee, 10:00 a.m., 394 AlderH.

WED- Department Coffee Hour, 9:30 a.m., 394 AlderH. Treats by Lynnette Brudvig and Pam Sanders.

Brown Bag Lunch, hort grad students and post-docs, noon, 394 AlderH. We will discuss recommendations made by the CSRS Review Team. Please be present.

COA sponsored Advisors Workshop, 9-11 (basic) and 1:30-2:30 (portfolio), 125 Coffey Hall.

Hort Seminar, Storage of Hydration-dehydration Cycled *Lolium perenne* 'Delray' and *Poa annua* L. Seed, Alex Ellram, 3:30 p.m., 415 AlderH.

THR- Sustainable Ag Study Group, 9:30 a.m., 398 AlderH.

GCB Seminar, Immortalization of Avian Cells, Douglas Foster, Department of Animal Science, U of M, 3:30 p.m., 335 Borlaug.

Plant Breeding Discussion Group will be held at Gengenbach's home (1994 Beacon Street, Roseville), at 7 p.m. Discussion will be on plants as intellectual property. All PB graduate students are encouraged to attend.

\*\*\*\*\*

## LOOKING AHEAD

May 31, Memorial Day Observed

June 3 will be the all-department, SPRING PICNIC, held at NOON, in the Hort Headhouse. Bring something to grill and a dish to share. Students, staff and faculty are ALL welcome.

June 4, H.K. Hayes Memorial Lecture and Graduate Student Award Ceremony, Department of Agronomy & Plant Genetics. Reception/Awards at 2:30, 306 Borlaug. Lecture, Ancient Native American Farmers: Lessons for Agriculture and Liberal Education, Dr. Linda S. Cordell, Irvin Curator, Chairperson of Anthropology, California Academy of Sciences, San Francisco, CA., 3:30 p.m., 335 Borlaug.

June 7, GSC, 1 p.m.

June 9, COA Faculty Assembly meeting, Mr. Dennis Johnson, VP Cenex Land-O-Lakes will address the Assembly on how industry can better interact with the University on several COA activities. Other agenda items include: COA name change, a committee on outreach and faculty salaries. 10 a.m., SPSC Theatre.

\*\*\*\*\*

CONFERENCE...on Science & Sustainability: Reshaping Agricultural Research and Education, October 24-26, Seattle, Washington. For registration information, contact Ms. Norma Fuentes-Scott, 509-335-2921 and for program/poster information, contact Ms. Colette DePhilps, 509-335-2887.

\*\*\*\*\*

CONGRATULATIONS....to **Laura Minsk** who successfully completed her Masters Degree on May 17.....and **Greg Gingera**, who passed the written preliminary examination in Plant Breeding.

\*\*\*\*\*

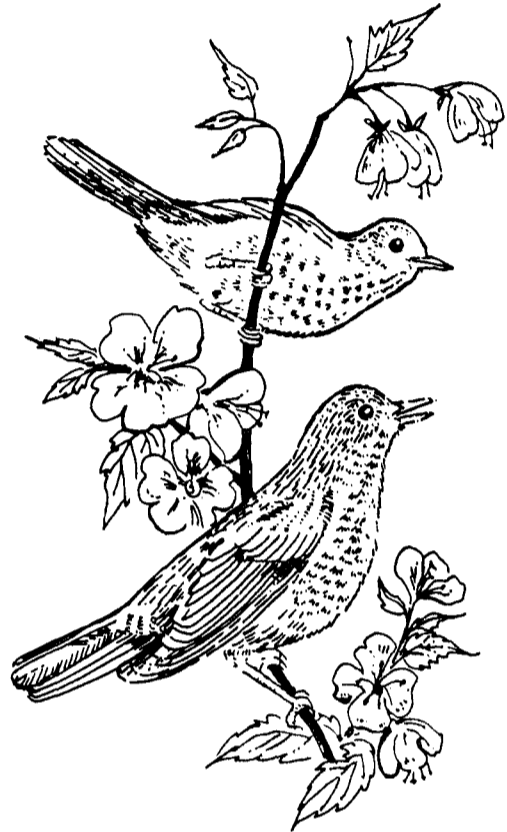
DEAN'S LIST...for Winter Quarter, 1993. Students have taken 12 credits or more and have received a GPA of 3.7 or higher. Congratulations to hort students in the Animal and Plant Major: Karri Bitner, Paul Gifford, Hans Hansen, Timothy Linder, Mark McGough, Flora Mercil and Carla Newton.

ANNOUNCING....that Dr. Bill Lueschen as accepted the position of Superintendent at the Southwest Experiment Station, Lamberton. Congratulations.

POSITION AVAILABLE....student laboratory technician, full time during summer and 20/hr week academic year. "A strong interest in/or experience working with plants and in field, greenhouse, and laboratory required. Person in this position will be involved with research on fungi (vesicular-arbuscular mycorrhizae) that are beneficial to plants. The person will also assist in data entering and word processing tasks. Will train, see Dr. Frank Pflieger, Plant Path, 495 Borlaug or call 625-3771.

HAVE A GOOD WEEKEND

BEST RESEARCH PAPER.....published in 1992. Alex Laurie Award Selection Committee and the Ohio Florists' Association chose "Evans, M.R., H.F. Wilkins, and W.P. Hackett. Meristem ontogenetic age as the controlling factor in long-day floral initiation in poinsettias. J. Amer. Soc. Sci., 117(6):961-965" This award was established in 1952 in honor of Professor Alex Laurie, president of ASHS in 1936.



THE PERFORMING ARTS COMMITTEE...is responsible for scheduling arts programs in Coffman Memorial Union and the West Bank Union. The committee is staffed entirely by student volunteers and funded by student fees. In the 1993-94 academic year we plan to offer music, dance, theatre, and literature in the unions on a regular basis. To do this, we need as many student staff members as possible! If any students in your department are interested in joining the staff, they can call 624-5015 to speak with someone from the Performing Arts Committee.

# twig bender

Volume 11 - #21 -- May 28, 1993  
Editor: Evonne Kuyper

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

SUN, June 27, MCN Channel 6, 9 am & 9 pm,  
Hazard Trees: Is your tree a safety hazard?

May/June, 1993				
31	1	2	3	4
7	8	9	10	11
14	15	16	17	18
21	22	23	24	25
28	29	30		

## WEEKLY CALENDAR

MON- Memorial Day Observed

WED- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Rebecca Brown and Gary Gardner.

THR- All-department, SPRING PICNIC, held at NOON, in the Hort Headhouse. Department will provide beverage. Undergraduate students are providing brats. Graduate students/post docs are bringing desserts with CS staff and faculty furnishing plenty of salads. No sign-ups necessary. (Bring a portion to serve approximately 8 persons). ALL are welcome.

GCB Seminar, Use of transposable elements to isolate genes that regulate nitrate assimilation in Chlamydomonas, Rogene Schnell, 3:30 p.m., 335 Borlaug.

FRI- H.K. Hayes Memorial Lecture and Graduate Student Award Ceremony, Department of Agronomy & Plant Genetics. Reception/Awards at 2:30, 306 Borlaug. Lecture, Ancient Native American Farmers: Lessons for Agriculture and Liberal Education, Dr. Linda S. Cordell, Irvin Curator, Chairperson of Anthropology, California Academy of Sciences, San Francisco, CA., 3:30 p.m., 335 Borlaug.

Last day of classes. Beer tasting at Johnny's. All faculty, staff, students are invited to attend. (6 p.m.)

DUMB QUESTION...Big Ole's son, Little Torval, spent the opening day of fishing season along the banks of one of the area lakes. Displaying all of the coordination and grace of his father, the young Norseman managed to lose his balance and toppled off the bank, head first into the lake. As Torval stood dripping on the shoreline, one of the amused spectators asked, "how did you come to fall into the lake?" Torval shot him a scornful look and replied, "Ay didn't come to fall into de lake, Ay came to fish in it."

\*\*\*\*\*

HORT 5026Y.....offered Fall Quarter, 1993, 405 Alderman Hall, TTH 0935-1240, Call #724218, Brad Pedersen, instructor

\*\*\*\*\*

SAS (Student Access System)...the Office of the Registrar and Administrative Information Services staff have developed a system to allow students to view their own academic records. Access to the system is through the AIS Public Access Menu (the same one that LUMINA is on). To use the system choose Selection 13 on the AIS Public Access Menu, then key your file number or your SS# on the screen that is returned, key your birthdate in the password field and press ENTER. Some of the information that is available on the system: cumulative credits and GPA, holds, U of M day coursework and grades, CEE and transfer coursework and grades. You may change your password any time you log on to the system. (And you should change it the first time you log on.) AIS plan to add additional features to the system over the coming year, including a screen displaying real-time information on course availability and screens to allow students to process their own registrations without going to the registration center. If you have questions or comments about the system, contact the Office of the Registrar. (email address: X-REGSTR@vm1.spcs.umn.edu).

\*\*\*\*\*

COA GRADUATION CEREMONIES...June 6, 3 p.m., Northrup Auditorium.

# twig bender

Volume 11 - #22 -- June 4, 1993  
Editor: Evonne Kuyper

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

June, 1993				
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<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>
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## WEEKLY CALENDAR

### MON- Spring Quarter Final Exam Week

Plant Molecular Genetics Position Interview Seminar, Use of Trichome Development in Arabidopsis as a Model for Determination of Cell Fate, M. David Marks, School of Biological Sciences, University of Nebraska-Lincoln, 12:00 noon, 306 Borlaug.

Graduate Studies Committee, 1:00 p.m., 398 AlderH.

Biological Forum, Biodiversity and Old Growth Forests in Northern Michigan, Dr. Margaret Davis, Dept. of Ecology, Evolution, & Behavior, 7-7:30 p.m. social, 7:30-9:00 p.m. program, 306 Borlaug.

TUE- Informal Colloquium, Department of Landscape Architecture, Restoring Oak Savanna in the Urban Landscape, Diedrich Bruns, Cleveland Professor, 11:30-1:00 p.m., 140 Nolte.

WED- COA Faculty Assembly Meeting, 10 a.m., SPSC Theatre.

THR- Department Faculty Meeting, 394 AlderH.

FRI- Deadline, see Evonne to check over WQ 94 course scheduling document!

Summer coffee hour begins, 8:30 a.m., main office, bring caramel rolls.

\*\*\*\*\*

PHOTO LAB TO CLOSE.....the recommendation to close the photo lab has been sent to VP Infante and it seems likely that it will be approved. It calls for ending lab services and continuing only the supply sales area. This proposal may be effective with the ending of the current fiscal year (june 30), although the final date of lab services has not been determined. Concerns can be addressed to VP Infante (Academic Affairs) at 232 Morrill Hall.

CAMPUS SECURITY...has notified the department that room 201 (growth chamber) is identified as an area where radioisotopes are used. Because of this, room 201 MUST BE KEPT LOCKED after 4:30 p.m. on weekdays and all day on weekends. Please help keep our department in compliance of safety rules and close the doors to 201. The Safety Committee.

U of M WOMEN'S CLUB SCHOLARSHIP....available. You must be a current U of M female student with junior or senior status beginning fall quarter, 1993, a cumulative GPA of 3.6 or greater, and demonstrate financial need. Pick up application forms from Evonne Kuyper in 305 AlderH. Deadline: June 11.

SPACE NEEDED....this summer, a high school summer science research intern will be working with Dr. Steve Simmons project (plant physiology & crop ecology) on germination response of annual medic species (*Medicago spp.*) to different temperature regimes. If your project could make available space for 3 or 4 large beakers in your germination chamber(s), would you please contact Meg Moynihan at 5-8189. The student will be with us from mid-June to early August. Thank you.

CONGRATULATIONS.....to Ag Ambassadors who received the Saturn Award for Project Outreach. They will now compete in the National Saturn Competition for an award of \$5,000.

# twig bender

Volume 11 - #23 -- June 11, 1993  
Editor: Martha Piechowski

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

June, 1993				
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28	29	30		

## WEEKLY CALENDAR

MON- Consultative Committee Meeting  
10:00-12:00 noon in 398 Alderman.

TUE- Final Thesis Defense Seminar, *The Role of Sucrose Synthase in Tomato Fruit Development*, Fei Wang, 12:00 noon, 394 Alderman.

THR- Phytograds Discussion, 12:00-1:00 p.m. in 398 Alderman.

\*\*\*\*\*

CONGRATULATIONS to Bert T. Swanson and Mark L. Brenner who were both recipients of the ASHS Career Awards for distinguished contributions to education for a period of ten years or more. ASHS award recipients will be honored at the ASHS awards ceremony on Sunday, 25 July 1993, beginning at 4:00 p.m. in the Chattanooga Ballroom in the Opryland Hotel during the 90th ASHS annual meeting.

CONGRATULATIONS to Phil Bird who received his BA this spring from Northwestern College.

CONGRATULATIONS to Sarah L. O'Leary, Joan L. Schneider and Bridgette K. Matzinger, our three most recent Horticultural Science graduates.

\*\*\*\*\*

The Hort 3040 Landscape and Implementation class and I want to extend a big thank you to all those on and off campus who provided

equipment and tools, hardgood and plant materials, acquisition, setup and cleanup support for this quarter's project, the construction of the Outdoor Environmental Horticulture Classroom. Without your help we could not have completed the project on time. Thanks to Cushman Motor Company, Cass Forest Products, Woods Run Forest Products, Inc., Wheeler Consolidate, Inc., Borgert Products, Inc., Mid America Cedar, North Country Landscaping, Inc., TRE Nursery, the Turf Research Program, the U of M Grounds Department and Physical Plant, Bryan Neitz, Roger Meissner, and Dave Olson.

On Monday June 14 all fume hoods and exhaust fans in Alderman Hall will be shut down for about 15 minutes each for servicing.

\*\*\*\*\*

GREENHOUSE NEWS -- Roger Meissner. Vehicle Checkout. Please remember to fill out the vehicle mileage sheet after each use. All mileage must be accounted for. If the last person using the vehicle fails to enter the mileage, please report it to me immediately.

Pesticide Storage Building. The U of MN St. Paul Campus pesticide storage building will be ready for occupancy sometime late this summer. Please send me an invoice of all pesticides that your project will be storing in this building by June 22. Further information about this new structure will follow in the coming weeks.

Greenhouse Sanitation. Sanitation is the first and most important step in pest management. Please keep your greenhouse sections as clean as possible. Walks and benches should be swept and free of dead vegetative plant material. Personal plants and unneeded plants should be discarded immediately. Plants with whiteflies should be poly bagged then discarded in the white dumpster. Starting July 1993, I will be inspecting the greenhouse sections twice a month. Your project will be notified and a \$50.00 fine will be assessed to the project if the above is not complied with. You will not be given an advance warning.

# twig bender

Volume 11 - #24 -- June 18, 1993  
Editor: Martha Piechowski

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

June, 1993				
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28	29	30		

## WEEKLY CALENDAR

MON- Plant Physiology Seminar, *Gibberellic Acid, Abscisic Acid, Ethylene, Light, Calcium and the Kitchen Sink*. Bob Gast, 306 Borlaug Hall, 3:30 p.m.

TUE- Final Thesis Defense Seminar, 10:00 a.m. to noon, 394 Alderman. Louis Peterson.

\*\*\*\*\*

Vacations: Roger Meissner, June 24 - July 14

\*\*\*\*\*

The Fire Alarm Testing with Horns will be carried out this coming Monday in Alderman Hall. Try not to be alarmed by the loud noise.

\*\*\*\*\*

**Accounting News:** The next time you're in the office area, please stop off in accounting and say hello to Ester Thorpe. She's our new (and permanent!) Senior Accounts Assistant. Esther can help you with purchase orders, storehouse orders, and information on expense documents in your budget files. Her hours are 8:00-2:30, Monday through Friday. Welcome Esther!

Also, Angie Klidzejs is now a licensed Notary Public. So, if you need an "official" signature on something other than University documents, she can sign for you. There is no charge for the service.

Congratulations to the College of Agriculture once again for submitting 99% of the Winter 1993 grades on time! Your timeliness here in Horticulture is much appreciated by the students and the Student Services staff.

\*\*\*\*\*

The latest word from Facilities Management is that a new recycling system will be implemented on campus in the near future. Our building is slated for July 9, 1993. Everyone is encouraged to attend an orientation session on this new system. The dates and times are as follows: Tuesday July 6, 9:00 a.m., Wednesday July 7, 1:00 p.m. and Thursday July 8, 11:00 a.m. All sessions will be held in 394 Alderman. We need at least several people from each area to attend orientation so as to learn how the new system will work. Thanks.

\*\*\*\*\*

PHOTO LAB NEWS FLASH....A definite decision to close the photo lab has now been postponed until a review can be formally completed. If North Hall is not demolished in the near future, the Photo Lab will continue to operate as usual. More information will be passed along as it is received.

\*\*\*\*\*

Please make note of the important information from the Safety Committee in your mailbox today. It is in regard to working safely in the field. Thanks.

\*\*\*\*\*

Lena was visiting with her neighbor, Freda Tofteskov, who explained how her husband Hjalmar had courted her with a rather unusual marriage proposal. Hjalmar told Freda that if she married him, he would either churn ten pounds of butter, or write her a poem. "I see," said Lena. "So, it looks like you married him for butter or for verse."

# twig bender

Volume 11 - #25 -- June 25, 1993  
Editor: Evonne Kuyper

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

June, 1993				
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## WEEKLY CALENDAR

TUE- Hort Faculty Consultative Committee meeting, 10-12 noon, 398 AlderH.

\*\*\*\*\*

## VACATIONS.....

Roger Meissner	June 24 - July 14
Evonne Kuyper	July 2,6
Martha Piechowski	July 6-9
Lynnette Brudvig	July 29,30
Angie Klidzejs	June 28,29,July 9
Fernande Rodgers	July 2
Esther Thorpe	July 6

\*\*\*\*\*

VISITOR....Professor Laura Roberts-Nkrumah, Department of Crop Science, University of The West Indies, Trinidad will be with us for several weeks beginning June 29 and will be working on decision case methodology. Her office will be room 426 Alderman. Please see Dave Davis to inquire about her schedule and welcome her.

\*\*\*\*\*

CONGRATULATIONS....to Louis Petersen for successfully completing his Ph.D. degree. Good luck to you.

\*\*\*\*\*

GRNHSE OPERATIONS.....during summer vacation periods will occasionally leave the greenhouse with only one staff member working. The main office will be notified when no permanent staff personnel will be at the facility and will post this information by the mailboxes. You can contact the following if no one is on duty and an emergency or breakdown occurs:

Physical Plant	4-2288
Dave Olson	4-4276
Vehicle breakdowns/repairs	5-5730
Other questions/emergencies	
Mark Strefeler	4-6701
John Erwin	4-9703

\*\*\*\*\*

1993 ASHS AWARD TRAVEL GRANTS.....to 36 students who will give oral or poster presentations at the 90th ASHS Annual Meetings in Nashville, Tennessee. Congratulations to Julia Bohnen on being a recipient.

\*\*\*\*\*

2ND ANNOUNCEMENT.... and call for papers for the International Symposium, Postharvest Physiology, Pathology and Technologies for Horticultural Commodities, organized by Institut Agronomique et Veterinaire Hassan II, Agadir, Morocco, January 16-22, 1994.

\*\*\*\*\*

THE HEALING GARDEN TOUR....a benefit for the Center for Victims of Torture, is July 10, 10 a.m. - 4:30 p.m. Tour up to ten gardens designed by Steve Ruce of Heliotrope Garden Design and Betty Ann Addison of Rice Creek Gardens Nursery. Advance tickets: \$25 individual, \$40 family. FFI call 626-1400.

\*\*\*\*\*

# twig bender

Volume 11 - #26 - July 2, 1993  
Editor: Martha Piechowski

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

July, 1993				
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<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>
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## WEEKLY CALENDAR

MON- Holiday

TUE- GSC meeting, 3:30 p.m. in 398  
Alderman

Recycling Orientation, 9:00 a.m., 394  
Alderman

WED- Recycling Orientation, 1:00 p.m., 394  
Alderman

THR- Station Day at Morris

Recycling Orientation, 11:00 a.m., 394  
Alderman

\*\*\*\*\*

Welcome to Daniel Warnock who has joined with us this week for graduate study in horticulture. Daniel has transferred from the University of Georgia, where he received his M.S. this spring under none other (as us old timers remember) than Dr. Bill Randle.

\*\*\*\*\*

**Burglary alert**--a wallet has been reported stolen from room 328 recently. Please keep an eye on your belongings.

\*\*\*\*\*

**CONGRATULATIONS** to Fei Wang for

successfully completing his Ph.D. degree on June 15. Both Martha and Evonne were unable to get the good news as it came hot off the press because of E-Mail accessibility problems. The situation has been remedied.

\*\*\*\*\*

If you have problems with your E-Mail you may want to contact the central system at 626-5592.

\*\*\*\*\*

**Reminder:** Any samples stored in the Crops Research Building after July 15 that are dated before 1992 will be disposed of unless I am notified differently. This cleanup includes cold rooms where seeds are stored. Your cooperation is appreciated. **Mike McClellan.**

\*\*\*\*\*

**PARTY TIME**--August 11 (mark your calendar). 1st annual St. Paul Saints Baseball and Tailgate party starting at 5:30 at Municipal Stadium. Tickets \$4.00, cash only. See Evonne next week.

\*\*\*\*\*

**BOARD OF REGENTS OPEN FORUM**, Wed., July 7, 6:30 p.m. in 238 Morrill Hall. 1993-94 University Budget and related issues will be discussed.



# twig bender

Volume 11 - #27 - July 9, 1993  
Editor: Evonne Kuyper

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

## WEEKLY CALENDAR

SUN, July 11, MCN Channel 6, 9 am & 9 pm,  
Insect Pests and Helpers: When is a bug a pest?  
Find out here!

MON- Path of the Paddle: Water Walker, Bill  
Mason created a visual video poem  
embracing breathtaking whitewater,  
quiet covers, the fury of Lake Superior  
and the tranquility of evenings around  
a campfire, 11-1 pm, Upper/Lower  
Lounge, SPSC, *free*.

TUE- Faculty Consultative Committee, 10-  
noon, 398 AlderH.

WED- Serving Underprepared Students in  
Math and Sciences: A Report from  
University of the Witwatersrand, South  
Africa, Michael Sears, Johannesburg,  
South Africa, 2:30-4:00 p.m., Library,  
Nolte Center for Continuing  
Education, Mpls Campus, sponsored by  
CEE and Dept. of Mathematics.

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

July, 1993				
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DEPTTAILGATE/BALLGAME....August 11,  
Municipal Stadium, St. Paul Saints vs Sioux  
City, tailgate (5:30), ballgame (7:30). See  
Evonne or Martha in main office for tickets.

\*\*\*\*\*

## BURNOUT PREVENTION and RECOVERY

#1. STOP DENYING. Listen to the wisdom of  
your body. Begin to freely admit the stresses  
and pressures which have manifested  
physically, mentally, or emotionally.

LAB MASTER SAYS: Work until the physical  
pain forces you into unconsciousness.

\*\*\*\*\*

# twig bender

Volume 11 - #28 - July 16, 1993  
Editor: Evonne Kuyper

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

July, 1993				
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VISITING NEXT WEEK....Eric Zdilla, open research assistant, will be visiting in the department beginning July 19. Faculty should see Evonne to obtain his file and set up an appointment if you have not already done so.

\*\*\*\*\*

TRANSFER DAY.....is set for July 21. The College of Agriculture sponsors these campus visit days once a month in the summer. We have four interested undergraduate students visiting that day.

\*\*\*\*\*

INTERESTED....in joining a Hort Dept. computer user group? If so, come to our first meeting on Monday, July 19, 11:00 a.m., 394 AlderH. Come and share computer tips, problems, software info and e-mail questions. This is an information group, bring your lunch if you want. FFI call Jerry Pierson, 624-1218.

\*\*\*\*\*

RECYCLING.....of the St. Paul telephone books will be on August 10. If you plan to be out of your office, please bring your phone books to Kathy Lloyd beforehand.

\*\*\*\*\*

HAPPY HOUR.....is July 23 in 394 Alderman. Come and bring a treat. Time is 4:30 p.m.

## DONT'T PROCRASTINATE

DEPTTAILGATE/BALLGAME....August 11, Municipal Stadium, St. Paul Saints vs Sioux City, tailgate (5:30), ballgame (7:30). See Evonne or Martha in main office for tickets. Tickets will run you four bucks and everyone should chip in a buck for paper products and condiments. Otherwise, BYOB, brats and some other food item to share.

\*\*\*\*\*

## BURNOUT PREVENTION and RECOVERY

#2. AVOID ISOLATION. Don't do everything alone! Develop or renew intimacies with friends and loved ones. Closeness not only brings new insights, but also is anathema to agitation and depression.

LAB MASTER SAYS: Shut your office door and lock it from the inside so no-one will distract you. They're just trying to hurt your productivity.

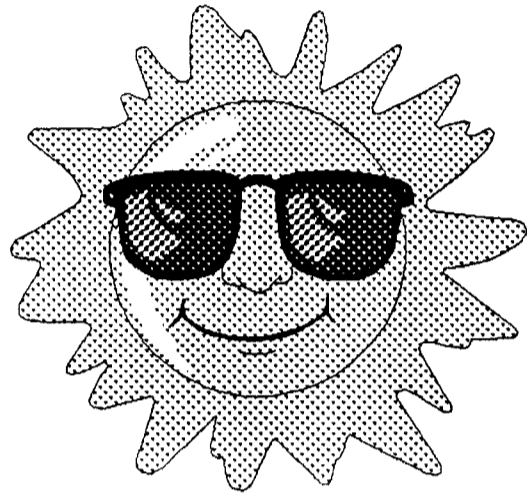
SECURITY NOTIFICATION....was the yellow slip Kathy Lloyd found on her keyboard when she returned to work. It stated that 305 Alderman Hall was found both unsecured and unattended during patrol at 11:15 p.m. on July 11. The patrolman secured it and left this notification for our information. *Please do not leave the main office unsecured or unattended over weekends!*

\*\*\*\*\*

CAREERS IN HORTICULTURE.....a new video from ASHS has been released for distribution. Our department received a copy of the 15 min video which is designed to introduce students to horticulture career opportunities ranging from production to design, from management to marketing, from procurement to processing, from research to teaching. Undergraduate advisors wishing to utilize this new recruiting tool may check it out from Evonne.

\*\*\*\*\*

1994-95 FELLOWSHIP.....for graduate research in Germany. Applicants must be U.S. or Canadian citizens, 18-32 years of age, who are registered in the University of Minnesota Graduate School at the time of application. Campus Deadline: October 1. Contact Graduate School, 422 Johnston Hall, 625-7579.



HAVE A GOOD WEEKEND!

# twig bender

Volume 11 - #29 - July 23, 1993  
Editor: Evonne Kuyper

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

Department Happy Hour.....today, 4:30 p.m.,  
394 AlderH.

July, 1993				
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CHINA CENTER NEWS RELEASE....Mei-Ling Hsu, Professor of Geography, has been appointed Acting Director of the University of Minnesota China Center, effective June 1, 1993. In this capacity Professor Hsu will maintain the University's ties with Chinese higher education institutions and research academics; promote Chinese studies at the University; and encourage, among faculty and students, academic exchange between the University of Minnesota and universities in China. Professor Hsu served from 1980-85 as the Center's first director. Her office is located at 50 Nicholson Hall, 624-1002.

\*\*\*\*\*

RECYCLING PROGRAM.....does accept aluminum foil. Large quantities should be bagged and put into correct container marked **cans, bottles**, located at various places throughout the building. Thank you for your support.

\*\*\*\*\*

COMPUTER....user group met and discussed setting up distribution lists in E-mail, FTPs' Agricola searches, what will happen when LAN (Local Area Network) is installed, software and more. Join us at our next meeting, July 27, 11 a.m., 394 AlderH.

MSSH invites you to attend Gardeners' Garage Sale (outdoors), New Products and Used Gardening Books (indoors) plus Annual Meeting at the Center for Northern Gardening, 1755 Prior Ave. N., Falcon Hts, July 24, 9-4 p.m. FFI call 645-7066.

\*\*\*\*\*

## BURNOUT PREVENTION and RECOVERY

#3. CHANGE YOUR CIRCUMSTANCES. If your job, your relationships, a situation, or a person is dragging you under, try to alter your circumstances, or if necessary, leave.

LAB MASTER SAYS: If you feel something is dragging you down, suppress these thoughts. This is a weakness. Drink more coffee. It's cheap.

\*\*\*\*\*

ASHS....Nashville, Tennessee, July 24-29.

\*\*\*\*\*

NEW BOOK.....on plant tissue culture is now available for \$19.95. Tropical Plant Cell and Tissue Culture is a hardcover book with 264 pages and 30 black and white photos. There are 22 chapters, appendix, and author and subject index. If interested in more information or purchasing such a book, contact Evonne Kuyper.

\*\*\*\*\*

INTERNATIONAL RECEPTION CENTER. . . will open August 15 to welcome and serve newly-arriving international students. Referrals for immediate temporary lodging on campus can be provided, as well as assistance with locating non-dormitory housing for the coming year. MISA is located at 235D Coffman Union, Minneapolis.

TICKETS AVAILABLE

DEPT TAILGATE/BALLGAME....August 11, Municipal Stadium, St. Paul Saints vs Sioux City, tailgate (5:30), ballgame (7:30). See Evonne or Martha in main office for tickets. Tickets will run you four bucks and everyone should chip in a buck for paper products and condiments. Otherwise, BYOB, brats and some other food item to share.

\*\*\*\*\*



Horticulture faculty and staff are now eligible for a new rate and amenities program at the Days Inn in Roseville. This Days Inn Roseville's Academic Connection program entitles all faculty and staff to special nightly rates on both single and double occupancies, free breakfast at the hotel's adjacent restaurant, and free FAX services. A complimentary shuttle service to and from St. Paul Campus is also available for visitors. For more information or to make reservations, please call the Academic Connection Hotline at (612)636-7939.

# twig bender

Volume 11 - #30 - July 30, 1993  
Editor: Evonne Kuyper

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

August, 1993

<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
23	24	25	26	27
30	31			

FREE ADMISSION....to the Minnesota Landscape Arboretum for students enrolled in the Colleges of Agriculture, and Architecture & Landscape Architecture through September, 1994. You must be able to show proof of student status. The Arboretum is a superb educational and inspirational resource for students. With 905 acres of formal display gardens, important collections and natural areas including prairie, bog and woodland, the Arboretum should be an integral part of your students' education. As students arrive on campus for fall quarter, please post this announcement in areas frequented by your students.

ON THE INCREASE.....is vandalism on the St. Paul Campus. Reports of purses, wallets and bikes stolen, plus doors jimmied. Be on the alert.

ICE CREAM SOCIAL....August 4 at 2 p.m. in the lobby of Alderman Hall for Fernande Rodgers, who has resigned her position to pursue other interests. Come say farewell.

ASPP...American Society of Plant Physiologists, July 31-August 4, Hyatt Regency Hotel, Minneapolis.



LAST CALL.....buy tickets to the Dept Tailgate/Ballgame....August 11, Municipal Stadium, St. Paul Saints vs Sioux City, tailgate (5:30), ballgame (7:30). See Evonne or Martha in main office for tickets. Tickets will run you four bucks and everyone should chip in a buck for paper products and condiments. Otherwise, BYOB, brats and some other food item to share.

G O L F A N D GOLFERS.....the longest golf hole in the world is a part-7 hole at the Satuki Country Club in Japan which measures 909 yards. That would be three good drives for pro golfer John Daly, and a full day's work for many local amateurs.



Penny & Ramon Aguirre had a baby girl, Carmen, on July 29 at Northwest Memorial Hospital. She weighed 7 lbs 5 ozs, 20". Congratulations!



**WORK-STUDY STATUS.....**if your undergraduate students, who are paid on the biweekly payroll, receive work-study awards for the new academic/fiscal year 93/94, please ask them to stop by the accounting office as we need to have copies of their new work-study awards for the files. Thank you...Angie Klidzejs.

**S M O K E - F R E E I N D O O R A I R P O L I C Y.....**smoking is prohibited in all facilities of the University of Minnesota Twin Cities Campus with the exception of designated private resident rooms within residence halls. This policy becomes effective at midnight on August 2, 1993. Thank you Office of the Senior Vice President for Academic Affairs and provost!

**T W E L V E B A S K E T S F O O D B A N K P R O J E C T.....**despite the bizarre weather, our gardens are producing lots of vegetables and fruit. If you have more than you need, please donate it to 12 Baskets. Instead of spoiling in the field, your vegies will go to a shelter or soup kitchen. Just bag up your surplus, label it "12 Baskets", put the bag in cooler 198C in the headhouse and tell Pam Sanders or Greg Gingera that it's there. Thanks to all those who have already donated....it is much appreciated.

#### **BURNOUT PREVENTION & RECOVERY**

**RECOGNITION RECEPTION.....**in honor of Regents' Professor Dr. Ronald L. Phillips, Department of Agronomy and Plant Genetics, Friday, August 6, 3-4:30 p.m., 306 Borlaug Hall.

**#4. DIMINISH INTENSITY IN YOUR LIFE.** Pinepoint those areas or aspects which summon up the most concentrated intensity and work toward alleviating that pressure.

**LAB MASTER SAYS:** Increase intensity. Maximum intensity = maximum productivity. If you find yourself relaxed and with your mind wandering, you are probably having a detrimental effect on the recovery rate.

# twig bender

Volume 11 - #31 - August 6, 1993  
Editor: Evonne Kuyper

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

August, 1993				
2	3	4	5	6
<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>	<u>13</u>
16	17	18	19	20
23	24	25	26	27
30	31			

## BURNOUT PREVENTION & RECOVERY

#5. STOP OVER NURTURING. If you routinely take on other people's problems and responsibilities, learn to gracefully disengage. Try to get some nurturing for yourself.

LAB MASTER SAYS: Always attempt to do everything. Your ARE responsible for it all. Perhaps you haven't thoroughly read your job description.

\*\*\*\*\*

P.O. UPDATE.....all orders must be done on a P.O. and turned into accounting when completed. The P.O. must have an authorized signature on it before faxing, calling, or mailing the order in. This is not a new procedure; just one that has been overlooked. If you need P.O.'s or have any questions, please contact Esther in the accounting office.

\*\*\*\*\*

WANTED.....unneded journals. The brand new Champlin Park High School is looking for unneded journals for students learning about research. Please call Geri Nelson at 421-7334 (home) or 493-8600 (work).

\*\*\*\*\*

ADVISOR TRAINING.....an update session for all COA advisors will be held on Thursday, August 19 from 9 a.m. to 11 a.m. in 125 Coffey Hall. The first part of the session will concentrate on updates and information for orientation advising. During the second half, Jean Underwood, Career Services, will discuss the services of her office and provide information on helping students prepare for internships and the job hunt. Confirm your plans to attend with Mark Bultmann, Coordinator of Student Services at 4-2746 (e-mail: bultm001@staff.tc.umn.edu) by Tuesday, August 17.

SAINTS vs SIOUX CITY....  
the department

has tickets available to this August 11 game. In order to sell out the number of tickets we have on hand,



please ask your friends/enemies to attend with you. Tailgate party at 5:30, ballgame at 7:30. See Evonne or Martha in main office for tickets which are four bucks and chip in a buck for miscellaneous items. BYOB, something to grill and one other snacky item to share. THIS GAME IS WEDNESDAY - DON'T MISS OUT ON THIS WILD PARTY.



# twig bender

Volume 11 - #32 - August 13, 1993  
Editor: Martha Piechowski

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

August, 1993				
2	3	4	5	6
9	10	11	12	13
<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>	<u>20</u>
23	24	25	26	27
30	31			

## WEEKLY CALENDAR

MON- Coffee 8:30 room 394, please bring treats

TUE- Ice Cream Social, Student Center Terrace sponsored by AFSCME. 11:30-1:00 p.m. Everyone welcome!

WED- Safety Committee, 9:00-10:00, room 398

CORN FEED, Yahoo! Greenhouse at noon (pending the availability of corn)

Health Plan Changes for 1994. Open Forum 135a & c Earle Brown Center 11:00 a.m. to noon.

THR- COA Advisor Workshop, 9:00-11:00, 125 Coffey Hall

COMPUTER People Accessing Lan Systems (PALS) will meet Tuesday, August 17th at 11:00 in 394 Alderman. Discussion at the August 10th meeting included best times for quick access into E-Mail (early morning and right after lunch); how to create a personalized signature; working with extended characters (i.e. foreign language schwas) - **does anyone know how to do this, please put a note in COM. PAL mailbox**; working with FTPs; and a decision to share software/hardware/email information with a PAL mail box in the back hallway. Anyone in the department can submit helpful information to the box. If you

"check out" an article, please return it within a reasonable amount of time. Remember, this group is open to anyone in the Horticulture Department with a desire to learn and share computer information. Debby Newman

\*\*\*\*\*

The Saints game tailgate party was a roaring success. Although a few people initially had trouble finding Evonne's blazer in the parking lot, we eventually all got together for a great barbecue and a really fun time at the game.

\*\*\*\*\*

**Protect your computers!!!** Someone messed with the Postharvest Group computer (not a general use computer) & didn't have the courtesy to ask us first. This happened on Saturday at 2, 3 & 6 p.m. Whoever messed with our computer rewrote the auto exec. bat and config. system files, modified windows and wordperfect, and deleted virus protection and some Dos shell program items. We could have lost important data! Cindy Tong

\*\*\*\*\*

University Media Resources is sponsoring an International Teleconference entitled "Global Lecture Hall" in Nolte Center on Saturday, August 21 from 8:30 to 11:00 a.m. Please see the back hall bulletin board for more information.

\*\*\*\*\*

**Harold Pellett** received the Distinguished Achievement Award for Nursery Crops at the ASHS Meeting in Nashville. The award recognizes superior, productive, innovative, and noteworthy accomplishments in research, teaching and/or extension in production, physiology, and/or use of woody landscape plants. **Congratulations Harold!**

# twig bender

Volume 11 - #33 - August 20, 1993  
Editor: Martha Piechowski

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

## VACATIONS...

Laura Kalisch                      Aug. 23 - Sept. 6  
Gary Gardner                      back September 1

\*\*\*\*\*

TO BE RESCHEDULED COA Strategic Planning Follow-up Meeting, Aug. 23. A new meeting notice will be distributed in the near future.

\*\*\*\*\*

COMPUTER PALS will meet Tuesday, August 24 at 11:00 in 394 Alderman. Last Tuesday (our 4th meeting) we discussed setting up a people network to distribute shareware (such as current virus protection.) We talked about computer needs for the department and are sending out a survey. Please fill it out and drop it in the **Computer PALS mailbox** in back. This group is open to anyone interested in learning about computer 'stuff' and how it can work for us. Jerry Pierson

\*\*\*\*\*

"Tropical Plant Cell and Tissue Culture" is a hardcover book with 264 pages and 30 black and white photos. It is available from Dr. L.J. Liu, Dept. of Crop Protection, Agricultural Expt. Station, Rio Piedras, P.R. 00928 for \$19.95.

\*\*\*\*\*

**EQUIPMENT SALE.** The computer equipment formerly housed in a lab in 310 Alderman Hall will be for sale for 4 days during the week of August 23 - August 26. The equipment consists of IBM XT's and AT's and will be selling for \$50-150. On the first day of the sale the inventory will be sold to any COA department. On the second day of the sale, it will be sold to any COA individual. On the third day of the sale, it will be available to any University individual at half price. On the fourth day of the sale, it will be given away to any University individual.

Our sympathy is extended to the family of **Agnes Nimedez** who passed away in June from Typhoid Fever. Agnes had returned to the Philippines last April ('92). She was a post-doc involved in research with Dr. Li's group.

\*\*\*\*\*

**PROGRAM ASSISTANT** - Agricultural Energy Savings Program. This is a full time temporary position that begins on or after October 1, 1993 and continues for 6 months with the possibility for extending employment. Send resume and cover letter to: Patricia Hung, AURI, 23 Empire Drive, St. Paul, MN 55103. For information on responsibilities and qualifications see bulletin board.

\*\*\*\*\*

Schedule of **Orientation for New TAs** for Fall Quarter, 20 September, 175 Willey Hall, West Bank. **Teaching Assistant Development Program Workshop Schedule:** Fall Quarter, 16-22 September. See agendas on bulletin board.

\*\*\*\*\*

## ACCOUNTING NEWS:

Thanks for completely filling out the **P.O.s** and turning them in right away!! Also, please turn in your **Packing Slips** ASAP so I can match them up with the invoices for payment. **Esther.**

**Bookstore Journal Voucher Notice:** I will be re-submitting open supplies journal vouchers to the bookstore next Wednesday, Aug. 25. If you are interested in having only authorized signatures on your account and changing your dollar amount limit, you must let me know by Wed. a.m. Thanks. **Esther**



# twig bender

Volume 11 - #35 - August 27, 1993  
Editor: Evonne Kuyper

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

SUN- Sept. 5, MCN Channel 6, 9 a. & 9 pm,  
Hardy Plant Research: U of M  
develops azaleas & maples for  
Minnesota.

MON- University Holiday

TUE- Computer Pals, 11 a.m., 394 AlderH.  
  
Faculty Consultative Committee, 3  
p.m., 398 AlderH.

WED- Plant Growth Facilities Committee, 9  
a.m., 398 AlderH.

THR- Greenhouse Committee, 8 a.m., 152  
AlderH.  
  
Faculty Meeting, 10 a.m., 394 AlderH..

FRI- Department Coffee Hour, 9:30 a.m.,  
394 AlderH. See Evonne to sign up to  
bring treats. (*Note change of day this  
year*).

September, 1993				
		1	2	3
<u>6</u>	<u>7</u>	<u>8</u>	<u>9</u>	<u>10</u>
13	14	15	16	17
20	21	22	23	24
27	28	29	30	

## BURNOUT PREVENTION and RECOVERY

#6. LEARN TO SAY "NO". You'll help  
diminish intensity by speaking up for yourself.  
This means refusing additional requests or  
demands on your time or emotions.

LAB MASTER SAYS: Never say no to  
anything. It shows weakness, and lowers the  
research volume. Never put off until  
tomorrow what you can do at midnight.

\*\*\*\*\*

LABOR DAY MAINFRAME UPGRADE....set  
for September 6. All systems including the  
Library system will be **unavailable** from 6 a.m.  
to midnight. All processing will be complete  
before the mainframe is brought down at 6  
a.m. AIS anticipates that on-line systems will  
be available on their normal schedule Tuesday  
morning, September 7. Questions? Call Joann  
Conradson at 624-1076.

\*\*\*\*\*

ACCOUNTING UPDATES.....by Esther  
Thorpe. #1. If you would still like to put  
authorized signers on your bookstore JV please  
let me know. #2. Account payables is as "up-  
do-date" as you can get. Invoices are being  
sent for payment within 2 days of receiving  
them. Therefore, it is mandatory for you to let  
me know ASAP if you are  
returning/exchanging any purchases as this is  
causing more problems than need be. Also,  
packing slips are coming in slowly - after  
verifying orders, put them in my mailbox.  
Thank you.



WOMAN SEEKING MAN: DWF seeks  
outdoors man to help reel in the big ones!

FISHING TRIP PLANS.....rumors in Alderman Hallways indicate some people are interested in an all-department fishing trip. The editor just wants you (JVC/Roger) to know that she is ready. (See picture)

\*\*\*\*\*

RETURN BOOKS.....Plant Cell Culture, A Practical Approach, 1991. IRL Press, Oxford, WA and Dormancy and Developmental Arrest: Experimental Analysis in Plant and Animals. If you have any clue as to their whereabouts, contact Ed Stadelmann (4-3267).

\*\*\*\*\*

COOLER RECLAIM....we need to reclaim walk-in cooler room 372 for postharvest research, maybe as early as next week. The cooler will be kept at 40 F and 95% relative humidity. If you have things in that cooler that cannot withstand those conditions, please move them. Also, does anyone want a torsion balance or mettler H10 non-electronic analytical balance? If so, please see me and or take a look at them - they're in 435 Alderman. Cindy Tong.

\*\*\*\*\*

RESCHEDULED....COA Planning Meeting to Friday, September 17, 1:30-5:30 p.m., SPSC NorthStar Ballroom.

\*\*\*\*\*

1993-94 COA FACULTY ASSEMBLY MEETINGS....Wednesday, October 27, March 16 and June 8. Mark your calendar.

\*\*\*\*\*

COA SCHOLARSHIP RECEPTION..scheduled for Monday, November 15, 135 Earle Brown Center from 3:30 to 6:00 p.m.

\*\*\*\*\*

FACULTY,STAFF INVITED....to University Community Celebration with Garrison Keillor and Faculty Jazz Ensemble, September 15, Northrop Mall, 11:45 a.m. Keillor's address will begin at about 12:15 p.m. Food carts available to serve food with free pop and popcorn.

TEACHING FAIR.....sponsored by Bush Faculty Development Program on excellence and diversity in teaching, September 27, 3:00-4:00 p.m., Mississippi Room, Coffman Union.

\*\*\*\*\*

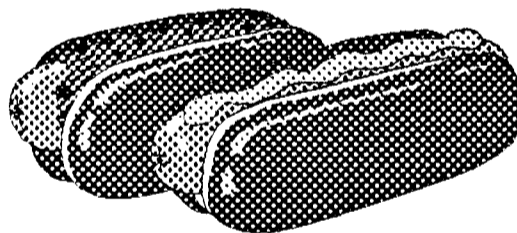
PEOPLE FOR PARKS.....volunteers needed to plant Daffodils in the parks. People for Parks will be planting over 12,000 daffodil bulbs in Minneapolis park system on weekends beginning September 17th and ending October 10. Volunteers are needed to help out with these plantings. People for Parks is a non-profit organization raising funds to support special projects in the Minneapolis parks. For more times, locations, or more information call 661-4778.

\*\*\*\*\*

RECRUITMENT BROCHURES.....for Graduate Studies in the Biological Sciences are available from Evonne Kuyper in the main office. The brochures are general in nature and are designed to be given to students who are undecided about the area of biology they are interested in. They do not replace our Horticulture recruiting brochure.

\*\*\*\*\*

Pheromone (noun, fār-ā-mōn OR fair-a-moan; Minnesotan): (1) the moaning sounds emitted by state fair-goes after overeating pronto pups, mini donuts, and cheese curds; (2) those sounds coming from the lips of Minnesotans that have not yet been to the fair, a wistful sound calling to cheese curds, etc.



NEXT WEEK: Introductions to new faculty/grad students.

# twig bender

Volume 11 - #36 - September 10, 1993  
Editor: Evonne Kuyper

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

September, 1993				
		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	

TUE- Biomass Energy Workshop, 9:00 a.m.,  
Earle Brown Center

Computer Pals, 11:00 a.m., 394  
AlderH. (See article for details.)

WED- NW Greenhouse (Information Sharing)  
Meeting, 8:00 a.m., 215 Coffey Hall.

University Community Celebration  
with Garrison Keillor and Faculty Jazz  
Ensemble, 11:45 a.m., Northrop Mall.

FRI- Third Annual PBS Graduate Program  
Perspectives, 8:30 a.m., 33 McNeal.

COA Planning Meeting, 1:30-5:30  
p.m., SPSC Northstar Ballroom.

SAT- Great Minnesota Day/2nd Annual  
Meeting of the Minnesota Agriculture  
Project, 9:00 a.m. - 4:00 p.m., SPSC.

\*\*\*\*\*

## BURNOUT PREVENTION and RECOVERY

#7. BEGIN TO BACK OFF AND DETACH.  
Learn to delegate, not only at work, but also at  
home and with friends. In this case,  
detachment means rescuing yourself for  
yourself.

LAB MASTER SAYS: Delegating is a sign of  
weakness. If you want it done right, do it  
yourself.

\*\*\*\*\*

WELCOME NEW PEOPLE....**Chen-Yi Hung**  
got her B.S. in June, 1993 in Agricultural  
Chemistry from National Taiwan University.  
While in Taiwan, she worked on research  
projects on rice invertase and on human  
retroviruses. She will be working on an M.S.  
in Plant Biological Sciences while in  
Minnesota. Her thesis project will focus on  
cloning polyphenol oxidase in potatoes. Her  
advisor is Cindy Tong and you can greet her in  
room 440 Alderman.

**Daniel Warnock**....comes to us from University  
of Georgia (Bill Randle former advisor). He is  
doing a Ph.D. under Dave Davis. His parents  
operate a wholesale greenhouse for floral crops  
(mums & holiday crops) so he grew up with  
horticulture. Dan is married, no children, and  
enjoys any outdoor sport involving nature  
(camping, hiking, fishing). Say hello to Dan in  
room 358.

**Tami Van Gaal**....received her B.S. in Animal  
Ecology from Iowa State (Go Cyclones!). She  
notes that she has seen the light and decided  
that horticulture is the place to be. She is  
currently exploring options for her Masters  
through the Open RA Program and will  
happily accept all advice about Hort - biased  
or not! Stop by 452 Alderman and let her  
know what you think!

**Sue Galatowitsch** joined the department  
faculty on September 1. She received her PhD  
in Ecology from Iowa State University where  
she studied wetland restoration ecology. Prior  
to that, she was the state ecologist for  
Colorado. Her Masters is in Botany,  
University of Minnesota. Husband Mark  
(Masters with Paul Read, 1984) will be  
working in the Agronomy Department. They  
have two children and live in the Como Park  
area. "We hope to have forsaken our recent  
hobby of sandbagging to do more canoeing,  
hiking and botanizing." Greet her in room 260  
Alderman.

\* More new people next week \*

OBITUARIES....**Robert Phillips**, former  
professor in Horticulture, died September 2.  
The department sent flowers to the memorial  
service held September 8 at the Walker  
Memorial Chapel.

COMPUTER PALS...at our seventh session, we transferred a file. The file we transferred is called, "Binhex." This conversion program is needed when using a modem and communicating with people using popmail. When popmail sends attachments it encodes the file so it is unreadable without a conversion program like "Binhex". Jerry Pierson.

\*\*\*\*\*

CONDITION OF NW GREENHOUSES. . . information sharing and discussion meeting will be September 15 from 8-10 a.m., 215 Coffey. Horticulture faculty are urged to attend as this could affect your greenhouse space.

O T H E R G R E E N H O U S E NOTES.....greenhouse space assignments have been completed. Faculty, grad students and support staff should receive a copy the week of September 13. Questions? Call Roger, 4-3631.

\*\*\*\*\*

REACH (Reaching out to Express our Awareness about Concerns and offer Help) is a telephone calling program to: welcome newly enrolled students to the University; provide newly enrolled students an opportunity to interact with members of the U community who are concerned about their well-being; assist newly enrolled students by answering their questions or referring them to the appropriate campus resource. They need our support by volunteering one hour of time to assist with calling. See Evonne for sign up times or call Tiffany Anderson at 624-0666.

\*\*\*\*\*

VOLUNTEERS NEEDED....the annual evaluations of hybrid chrysanthemum seed lines will be held September 15-22, 1993. Every year the department is invited to come out to the fields and enjoy the fall colors. Complete instructions are supplied - all we need is your opinions as a consumer! Pick up your evaluations next week by the mailboxes. Questions? See Neil Anderson or Peter Ascher.

\*\*\*\*\*

RESERVE DATE.....Graduate student orientation and reception is set for October 22. Details next week.

SAFETY WEEK....will take place October 4-8. Start looking around you for unsafe conditions and remedy them before that week. We plan to do department inspections on October 5, have a training session (everyone REQUIRED to attend; we'll provide homemade goodies) on Wednesday, October 6, and have fire extinguisher training on Friday, October 8 (your big chance to shoot an extinguisher). Safety Committee.

\*\*\*\*\*

U OF M FOUNDATION....has scheduled a meeting with 3M Company to visit the University of Minnesota campus on December 20. In connection with this "site visit", the Foundation is requesting information about projects that have been funded by 3M since 1985 to principal investigators. In addition, they are putting together a summary of the funding and are requesting help in gathering information on the various contacts, formal and informal that our unit has had with 3M. Hort faculty can assist with this process by turning any information in to Evonne by September 15.

\*\*\*\*\*

STUDENT AFFAIRS (University Community Building Project) is gearing up for the fall with several exciting initiatives aimed at building community on campus. *PAINT THE BRIDGE* will take place September 23 & 24 from 9-3. Fill our registration form posted in lobby. *UFEST '93* will coincide with the 1993 "Spirit of Glory" Homecoming festivities on October 23 from 2-4 at the Field House. *WOW...WHAT'S ON WEDNESDAYS*...first event for students will be "Lunch with Leaders", an opportunity for students to meet campus and community leaders on September 29, 11-1 pm at Northrop Mall.

\*\*\*\*\*

QUESTION...what does an agnostic, dislectic, insomniac worry about? *"Is there really a DOG?"*

\*\*\*\*\*

..... GO GOPHERS!!!

# twig bender

Volume 11 - #37 - September 17, 1993  
Editor: Evonne Kuyper

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

September, 1993				
		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	

SUN- Channel 6 MCN, 9 am & 9 pm, Sweet, Sweet Corn: Growing the new super-sweet corn.

MON- REMEMBER: #169 Contract Parkers go to lot #181.

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

WED- Orientation Day for new graduate students. Lunch (11:30 a.m.) provided by department in room 394 Alderman if you have RSVP'd to Evonne in main office.

Reception for all who are new in our department. Everyone come enjoy camaraderie, good food and beverage at 3:30 p.m., foyer of Alderman.

THR- HORT 8066, 4:05 p.m., 394 AlderH.

FRI- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Mary Foster and ? Please stop by Evonne's desk and sign up to bring treats for Fall Qtr.

## LOOKING AHEAD

- Sept 27- COGS Reception, 4:30-6:30 p.m., Terrace Rm, Campus Club
- Sept 28- PBS Colloquium, 3:30 p.m., 335 BorH, Dr. Glenn Furnier.
- Sept 29- Dept Seminar, 3:30 p.m., 415 AlderH. P.Olin, P.Moe, P.Roe.
- Sept 30- Exploring World Computer Networks, noon-2 pm, Coffman Theatre.

\*\*\*\*\*

## BURNOUT PREVENTION and RECOVERY

#8. REASSESS YOUR VALUES. Try to sort out the meaningful values from the temporary and fleeting, the essential from the nonessential. You'll conserve energy and time, and begin to feel more centered.

LAB MASTER SAYS: Stop thinking about your own problems. This is selfish. If your values change, we will make an announcement at the department meeting.

\*\*\*\*\*

WELCOME NEW PEOPLE....**Paul Richter** began his MS program in plant breeding last year. Paul may not yet be known to most of you as he is working full time at Green Giant/Pillsbury in LeSueur and has been on campus only for coursework thus far. His interest is in identifying quantitative trait loci for corn borer resistance in sweet corn.

\*\*\*\*\*

CONTEST....."Name our Potato" sponsored by MN Certified Seed Potato Growers Association. You could win \$1,000. See flyer for details.

\*\*\*\*\*

CHEMICAL HYGIENE PLAN....**Jerry Pierson** obtained hardcopy and diskcopy of the University of Minnesota Chemical Hygiene Plan. The hardcopy will be placed with the first volume of MSDSs (in the folding door cabinets in 305 Alderman). The diskcopy is formatted for WordPerfect, Word, and AmiPro. Of you would like to copy the files from the disk, see Cindy Tong.





E-MAIL....CIS has changed the names of the e-mail servers at the U of M.

- staff.tc.umn.edu has changed to maroon.tc.umn.edu
- student.tc.umn.edu has changed to gold.tc.umn.edu

In POPmail change: (over)

- your signature (under edit signature)
- your group addresses (under edit groups)
- your server name (under setup username & server)

NOTE: All of these functions can be changed by selecting them from under the Setup Menu in POPmail.

\*\*\*\*\*

HRC APPLE HOUSE.....(located 1 mile west of the Minnesota Landscape Arboretum on Hwy 5) is open with a good selection of varieties. Call 474-9440 for a recorded message about apple availability. Hort department personnel can order in the main Hort office each week by Wednesdays (pay at time of order). The Apple House appreciates a minimum order of five bags from other departments around the Buford Circle. (See attached posting.) Delivery is every Thursday.

**Greenhouse Update**  
Roger Meissner

Research and teaching greenhouse space allocation have been sent out. Please look these maps over and read through the operational procedures and teaching policy guidelines. If you did not receive a copy, let me know.

Pesticide use in the greenhouse...the first and most important step in pest control is sanitation. Please remember to keep your section as clean as possible. The removal of any debris and a clean swept floor helps out alot. Plants are the only thing that should be growing in the greenhouse sections. Chairs, stools, carts and any misc should be removed at the end of the day. Read and obey pesticide re-entry signs posted at the entrance of the greenhouse range.

**ANNOUNCEMENTS:**

Graduate School Emergency Tuition Scholarship Fund for Advanced Doctoral Students with Loan Deferments Fall, Winter & Spring Qtr, 1993-94. Deadline: September 24, January 7, April 1 respectively.

Xi Chapter, Sigma Delta Epsilon/Graduate Women in Science, Agnes Hansen Award, applications due October 15 and February 15, Mary Haga Award applications due June 15, 1994.

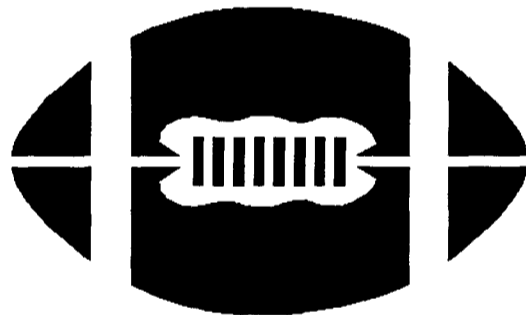
Grants-in-Aid of Research, Artistry and Scholarship for 1993-94 due Monday, October 4, 1993.

MacArthur Interdisciplinary Program Fellowship Competition application is due January 26, 1994.

*Refer to postings on bulletin board*

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COMPUTER PALS....at our 8th session we attempted to transfer a AMIPROF file. We had some problems so we settled for sending an attachment. This group is continuously learning new features of the e-mail system. Your involvement is greatly appreciated. J. Pierson.



**!GO GOPHERS!**

# twig bender

Volume 11 - #38 - September 24, 1993  
Editor: Martha Piechowski

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

September, 1993				
		1	2	3
6	7	8	9	10
13	14	15	16	17
20	21	22	23	24
<u>27</u>	<u>28</u>	<u>29</u>	<u>30</u>	<u>1</u>

WED- Hort Club Meeting and BBQ, Room 172 Horticulture Headhouse 6:00 p.m.

THU- *Can biotechnology succeed where insecticides failed? Control of mosquito-borne disease*, Ann Fallon, Dept. of Entomology, 335 BorlaughH., 3:30 p.m.

FRI- Ad Hoc Committee for Professional Staff Development, 8:30 in Room 398

The environment for walk-in cooler 372 will be changed to O°C (32°F), 95% RH within the next 2 weeks. If you have materials in the cooler that can't withstand these conditions, please protect or move them. Cindy Tong.

\*\*\*\*\*

**Greenhouse Update.** In order to comply with the new EPA Worker Protection Standard law for Agricultural Pesticides, the following change will be enacted. The greenhouse will be closed to all persons on Friday (Oct. 1st) from 4 p.m. to 7 a.m. Saturday. **No exceptions.** All activities should be completed by 3:00 p.m. in the greenhouse. Also, all greenhouse section floors should be swept. Greenhouse sections that are not swept or are not free of non plant material (such as carts, stools, radios) will not be sprayed. This policy will take affect **Friday, Oct. 1st.**

**NEW SOIL MIX.** We have switched to Strong-lite Universal Growing mix, due to reports of projects having problems with the Baccto Soil Mix. See Roger for more information.

**VEHICLE AUCTION.** The University vehicle auction is tentatively scheduled for Saturday, November 13 at 11:00 a.m., Holman Building, open to the public. Departments wanting to buy vehicles can make arrangements with Fleet Services before the sale. See Roger for a list of vehicles.

\*\*\*\*\*

The start of the new school year brings new students and the beginning of another exciting season of Horticulture Club activities. The Club is open to all students (new, old, graduate, and undergraduate) interested in many different aspects of Horticulture. This year will prove to be the best year ever with many fabulous and fun-filled activities already in the plans!! Our first meeting will consist of a short business meeting followed by a BBQ in honor of new members. Make plans to attend, bring a friend if you wish. **Hort Club** is a great way to meet new people in Horticulture. We'll see you Wednesday!!

\*\*\*\*\*

Letters are due October 22 for students from federally designated **Minnesota flood disaster** counties who can qualify for a \$1,000 scholarship. Please stop by the Dean's Office, 277 Coffey Hall and ask for Deda.

\*\*\*\*\*

Congratulations to Theodore P. Labuza who was appointed to the position of Associate Dean of the Graduate School September 16. He is an active teacher and researcher in the Department of Food Science and Nutrition.

\*\*\*\*\*

(OVER)

Thanks go to Deb Schwarze for the beautiful baskets of cyclamen in the Foyer for Wednesday's reception and to Emily Hoover for the apples.

\*\*\*\*\*

**Professional Development Funds for Civil Service and Bargaining Unit Staff** are available to the department. A committee meets next Friday to discuss proposals. The committee will review the proposals and present them to the University. The awards are available for individual and group development. If you wish to submit a proposal and need guidelines see Laura before the committee meets next Friday. Many suggestions were put forward in the Civil Service Meeting on Thursday, September 23, 1993. Hurry--Deadline is October 15, 1993, and the proposals have to pass through many hands.

\*\*\*\*\*

Order apples on Wednesday for delivery on Thursday!!

\*\*\*\*\*

The Professional Plant Growers Association recently announced that the **Minnesota Commercial Flower Grower's Association Bulletin** has been selected as the recipient of the 1993 PPGA Educational Media Award. As editor, John Erwin will be presented the award on October 3 at the PPGA meetings in Tampa, FL. Congratulations **John!!**

October, 1993				
<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>	<u>8</u>
11	12	13	14	15
18	19	20	21	22
25	26	27	28	29

SUN- Channel 6 MCN, 9 am & 9 pm,  
Minnesota Mums: They bloom before  
frost and survive the winter.

MON- SAFETY WEEK BEGINS

Health Plan Changes for 1994,  
Employee Open Forum, noon-1 p.m.,  
135AC Earle Brown Center.

PB Seminar, Genetic Dissection of  
Oligogenic Disease Resistance, Nevin  
Young, Assistant Professor,  
Department of Plant Path, 3:00 pm,  
306 Borlaug.

TUE- Department safety inspections.

Computer Pals, 11:00 a.m., 415  
AlderH.

Grad Student Brown Bag Lunch, noon,  
398 AlderH. Discuss computer needs,  
bring your ideas.

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

Interruption of building steam service,  
7:00 a.m. through 2:00 a.m.,  
Wednesday.

WED- Greenhouse Committee, 8 a.m., 398  
AlderH.

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

WED- Department Seminar, Safety Training,  
Cindy Tong. All department employees  
(faculty, staff, & students) MUST  
ATTEND (or you may not be an  
employee in the future). There will be  
a make-up session....sign up in 305  
AlderH.

THR- Prelim Exam, 8-4, graduate students  
pick up questions from Evonne in  
main office.

Growth Facilities Committee, noon,  
394 AlderH.

Department Safety Committee is  
sponsoring Fire Extinguisher Training,  
1:00 p.m., by the greenhouse.

FRI- Department coffee hour, 9:30 a.m., 394  
AlderH. Treats by Rebecca Brown.

Environmental Hort Search  
Committee, 9:30 a.m., 398 AlderH.

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BURNOUT PREVENTION and RECOVERY

#9. LEARN TO PACE YOURSELF. Try to  
take life in moderation. You only have so  
much energy available. Ascertain what is  
wanted and needed in your life, then begin to  
balance work with love, pleasure, and  
relaxation.

LAB MASTER SAYS: A balanced life is a  
myth perpetuated by liberal arts schools.  
Don't be a fool: the only thing that matters is  
work and productivity.

\*\*\*\*\*

QUESTION.....can anyone help us locate the  
MN Chapter headquarters for Gamma Sigma  
Delta. Contact Laura Kalisch if you have this  
information.

1993-94 PRELIM EXAM DATES....

	<u>Exam</u>	<u>Discussion</u>
Fall Qtr	October 7 November 11	October 21 December 2
Wtr Qtr	January 20 February 24	February 3 March 10
Spr Qtr	April 21	May 5

Graduate students should reserve these prelim dates. Faculty and students should plan to attend Hort 8066 (Discussions in Horticultural Research) on Thursday afternoons, 4:05 p.m. in 394 AlderH.

\*\*\*\*\*

DEADLINE ANNOUNCEMENT.....if any faculty are contemplating making changes to a course (credits, grading option, prereq, computer check or description), you need to submit those proposed changes to UAC/GSC in a timely manner as they are due in the COA by Friday, October 15 (for Spring 1994 changes).

Hort Club News  
Scott Endres, President

Fall Foliage Plant Sale, October 4 and 5, Coffman Memorial Plaza, Mpls Campus. Don't let the cool weather fool you....bring your gardening indoors with some new foliage plants for your home and office.

*The University of Minnesota Horticulture Club is a group of students interested in many aspects of horticulture. We support our activities through plant sales held regularly throughout the school year.*

We thank everyone for their support!

WELCOME NEW PEOPLE....**Curtis Reese**, who is from Hancock, about 140 miles west of the cities. "I attended the U of M at Morris and majored in Geology and Biology with a minor in Chemistry. I worked for the Environmental Consulting Company for about 2 years." His advisor is Vince Fritz who is located at the Waseca Experiment Station so Curt travels down there alot. His office is in 352 Alderman.

**Sopheak Sim** is from Vista, California, was an undergraduate at U of CA, San Diego. Her family came from Cambodia when she was four years old. She spent this past summer there and will return to work there after getting her M.S. (*Ask her about her worm farm when you say hello to her in room 290*).

**Wen-Ping Chen** was born in southern part of Taiwan. He has a BS degree in biology from Fu-Jen, a Catholic university in Taiwan and a MS degree in botany from National Taiwan University. Prior to his arrival in Minnesota, he was a research assistant at the Institute of Botany, Academia Sinica, Taipei, Taiwan. He will work at the Laboratory of Plant Hardiness to pursue his PhD degree in the area of molecular mechanism of plant chilling tolerance. His studying desk is in 320 Alderman and he prefers everybody to call him "Wayne".

**Jorge Elizondo-Barron**, is from the Instituto Nacional de Investigaciones Forestales y Agropecuarias, Tamaulipas, Mexico and has enrolled in the plant breeding program. Jorge is a graduate of the University of Tamaulipas and received his MS degree from Michigan State University. Arriving a bit late here, he is still searching for short-term housing. Later, probably in January, his wife Yolanda and their two children will arrive. His office is 358.

\*More new people next week\*

\*\*\*\*\*

WANTED.....green tomatoes for pickling. Please let Gerard in 262 Alderman know if you can spare any.

E-MAIL ADDRESS.....if you want to comment on the proposed **Strategic Plan** but are not a faculty member, the President's Office has established an E-mail address on InterNet that encourages comments from everyone (students, staff, faculty) within and outside of the University. U2000@mailbox.mail.umn.edu

REASON ENOUGH.....Big Ole's, son Torval, came home from school one day and asked, "Dad . . . I have da biggest feet in da third grade. Is dat becoss I'm Norwegian?" "Nay," said Ole, "It's becoss you're nineteen years old."

REQUEST....that anyone sending a package overseas, please put your name on them.

FREE ADMISSION.....for students in the Colleges of Agriculture & Architecture and Landscape Architecture to the Minnesota Landscape Arboretum through September 1994. The Arb is a superb educational and inspirational resource, with 905 acres of formal display gardens, important collections and natural areas including prairie, bog and woodland. Located in Chanhassen, on Hwy 5 near the intersection of Hwys 5 & 41 (15 mi W of 494). You must show proof of enrollment.



UNDERGRADSTUDENTS.....from federally designated Minnesota flood disaster counties may qualify for a **\$1,000 Scholarship** IF you are a currently enrolled in the COA, suffered economic loss due to 1993 food, and are in good academic standing. Go to 277 Coffey Hall to get more details. Deadline: October 22.

INTERNSHIP.....recruiters from Walt Disney World, Orlando, Florida, will be on campus November 15 & 16. They're seeking undergraduate students who are juniors with an interest in food crops to work 6 months in plant sciences at Epcot's "The Land." Contact Career Services (272 Coffey Hall) or Deb Brown (Dial U or 158 Alderman) for more details. This internship begins 9 months or more from now.

HAVE A GOOD WEEKEND

# twig bender

Volume 11 - #40 - October 8, 1993  
Editor: Evonne Kuyper

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

October, 1993				
				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

MON- Plant Breeding Seminar, Value-added traits - modified starch composition in corn, Steve Wagner, 3:30 pm, 306 Borlaug.

TUE- Computer Pals, 11:00 a.m., 415 AlderH. Chuck from Media Services will provide a training session for using the 'electrohome' projection system. Don't miss this one.

PBS Thesis Defense Seminar, Compartmentation of Nitrogen and Carbon Metabolism in Alfalfa Root Nodules, Dave Robinson, 9 a.m., 306 Borlaug.

WED- GSC, 10:30 a.m., 398 AlderH.

Hort Club Plant Sale, 9-5, SPSC. (*Department pre-sale October 11 from 4-5:30, Hort Club Greenhouse*)

Women in Ag Science Meeting, 12 noon, 491 Borlaug. (*article*)

Department Seminar, Maples: Studies in Diversity, Susan Wiegrefe, 3:30 p.m., 415 AlderH.

THR- Department Faculty Meeting, 10 a.m., 394 AlderH.

MISA Seminar, Sustainable Ag: Farming and Philosophy, Dr. Fred Kirschenmann, 3:00 p.m., 306 Borlaug.

THR- GCB Seminar, An Unstable Trinucleotide repeat causes spinocerebellar ataxia, Laura Ranum, Dept. of Laboratory Medicine & Pathology, 3:30 p.m., 335 Borlaug.

FRI- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Jerry Pierson and Ken McNeal.

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## BURNOUT PREVENTION & RECOVERY

#10. TAKE CARE OF YOUR BODY. Don't skip meals, abuse yourself with rigid diets, disregard your need for sleep, or break the doctor appointments. Take care of yourself nutritionally.

LAB MASTER SAYS: Your body serves your mind, your mind serves The Lab. Push the mind and the body will follow.

## BURNOUT PREVENTION & RECOVERY

NEWS FROM THE ADMINISTRATIVE OFFICE....Esther Thorp (Accounting) would like you to turn in "old" stacks of P.O.'s in your possession so they can be used up by November, and a reminder to turn in your packing slips for ALL invoices. . . . Laura Kalisch notes that the Primary Care Directories have arrived and are located on the round table in the Hort Administrative Office.

PLEDGE FORMS....for the Community Campaign are to be turned in to Gerald Pierson.

STUDENT AFFAIRS DIRECTORY RESOURCE GUIDE . . . . telling you what services are available in Student Affairs, where are they located, and who can help with a particular concern. Let Evonne know if you would like a copy.

G'DAY MATES! Come experience Australia as I tell tall tales of my walk about Down Under. Kangaroos, Koalas, and many more fair dinkum Aussie sites will be shared through photos and stories over lunch.

Where: Shirley's kitchen (3rd floor)

When: Monday, October 11 at 12 noon.

Hope to see ya's there....Heather Kreidermacher

COMPUTER COMMITTEE . . . Grad students, post docs and anyone else who uses the 2nd floor computer room:

1) Please fill out and return the computer use survey as soon as possible. If you didn't get a survey and would like one, see me. The sooner I get the surveys back, the sooner we can get a proposal together.

2) If you would like to help me put together the proposal of what computers to ask for, talk to me. I would especially like help from someone who knows about IBM computers and software.

3) If you know of any grant funds we could apply for to help pay for computers, or have ideas for fundraisers, tell me...Thanks, Rebecca Brown.

ATTENTION . . . anyone who has plant material in cooler #85 (greenhouse basement), we will be cleaning this cooler in preparation for fall digging. Please remove material you wish to keep by Friday, October 15...Thank you - Jim Calkins.

MISA SEMINAR.....speaker, Dr. Fred Kirschenmann is a farmer in southern central North Dakota, president of Farm Verified Organic, and former academic dean at Curry College in Boston. Kirschenmann is also a founding member of the Northern Plains Sustainable Agriculture Society, and currently serves on the USDA National Sustainable Agriculture Advisory Council, the Science and Education National Research Initiative Advisory Council, and the North Dakota Board of Higher Education Agriculture Consultation Board. Plan to attend the hour-long seminar, Sustainable Agriculture: Farming and Philosophy, 3 p.m., October 14, 306 Borlaug.

WOMEN IN AG SCIENCE.....everyone in the University community is invited to attend this special meeting (October 13 at noon, 491 Borlaug). Our group will present an informal talk, "Encouraging Young Women To Go Into Science". This talk will be given to area high school and undergraduate women in the near

future. We would appreciate your comments and suggestions to improve this presentation. The presentation will include the following subjects: (1) history of the education of women in the U.S., (2) history of women in science, (3) current statistics on women in science, (4) problems women face in pursuing a career in science and strategies to overcome these problems, and (5) balancing family and a science career.

YOU COULD USE A MAP....car won't start? Locked out? Got a flat? Next time you run into car trouble on the Twin Cities campus, try using the MAP (the Motorist Assistance Program). Starting Friday, October 1, Parking Services will offer this helping hand free to University staff, faculty, and students. Service covers the Minneapolis and St. Paul campuses. Hours are 7 a.m. to midnight Monday through Thursday, 7 a.m. til 10 p.m. on Fridays. Service will not be available on official University holidays. Write this number down in a good spot (not the glove compartment): 625-6566. (*Instructors announce this to your classes especially to Extension students*).

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Greenhouse News  
Roger Meissner

Pesticide Update: Week ONE of the new greenhouse policy on Pesticides and Workers Protection Standards is by us. I would like to thank everyone for their cooperation. The greenhouse sections were very clean. Thank you sweepers. Greenhouse sections were evacuated by all users by 4:00 p.m.

Week of 9-27 through 10-1, pesticides used in the greenhouse sections are as follows:

Section: K-1,3,4,5; H-2,3,4,5; G1A, G-2,3,4,6; F-2,6; E-4,5; under house.

Pesticide: Avid 0.15 EC and M-Pede (insecticidal soap)

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NOMINATIONS FOR TWO TEMPORARY POSITIONS IN ACADEMIC AFFAIRS....forward your nominations to E. F. Infante no later than October 8.

COLUMBUS DAY - OCTOBER 12



# twig bender

Volume 11 - #42 - October 22, 1993  
Editor: Evonne Kuyper

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

SUN- Raptor Center Annual Open House 1-4 pm.

October, 1993				
				1
4	5	6	7	8
11	12	13	14	15
18	19	20	21	22
<u>25</u>	<u>26</u>	<u>27</u>	<u>28</u>	<u>29</u>

MON- Plant Breeding Seminar, Barley stem rust resistance, Dr. Stephen Fox, 3:30 pm, 306 Borlaug.

TUE- Computer Pals, 11:00 a.m., 415 AlderH.

PBS Seminar, Duplicate Genetic Factors in Soybean, Dr. Randy Schoemaker, USDA, Iowa State University,, 3:30 p.m., 335 Borlaug.

WED- COA Faculty Assembly, 1-3 p.m., B-45 COB, 12:30 reception.

Ag Career Day, North Star Ballroom  
10 a.m. - 3 p.m.

Department Seminar, Crop Production in Ghana, Richard Peasah, 3:30 p.m., 415 AlderH.

THR- Hort 8066, Cultural Practices for Nursery Crop Production, Dr. Bert Swanson, 4:05 p.m., 394 AlderH.

COA, Joyce Foundation & IGFHE presents Biotechnology: Incompatible with Sustainable Agriculture, Dr. Martha Crouch, Indiana University, 3 p.m., 33 McNeal.

GCB Seminar Molecular genetics of antibiotic production in Streptomyces, David Sherman, Biological Process Technology Institute, U of M, 3:30 p.m., 335 Borlaug.

FRI- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Bud Markhart and Dave Olson.

Quality Mentoring for Women Graduate Students Workshop, 9-3, Coffman Union,

Halloween Happy Hour, Lobby, 4 p.m., come in costume and bring a Halloween treat.

## LOOKING AHEAD

NOV 2,3,4- Employee Benefits Information Fair

## BURNOUT PREVENTION & RECOVERY

#12. KEEP YOUR SENSE OF HUMOR. Begin to bring joy and happy moments into your life. Very few people suffer burnout when they're having fun.

LAB MASTER SAYS: So, you think your work is funny? We'll discuss this with your department chair on Friday at 7 p.m.

*CLUE: the real lab master.....check the gene expression lab for someone with the initials of AGS. Please Mister Lab Master, can your staff come to coffee hour this Friday?*

COMMUNITY CAMPAIGN.....turn in your pledge cards to Gerald Pierson "so my volunteer obligation is not a lot of work".

UNIVERSITY COUNSELING SERVICES. . . .provides a wide range of services such as "Personal Counseling Groups" and "Life-Skills Workshops". Check bulletin boards for postings.

ROGUES' GALLERY.....graduate students...please have a picture to me by October 29 or I will be using a drawing made by my daughters. Check my office door (320) for a sample of the drawing quality. Thank you...Ken McNeil, Prez.

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Greenhouse News  
Roger Meissner

PESTICIDES used in the greenhouse the week of 10/11/93: Maurik and Enstar II.

VEHICLES....the department currently owns 5 vehicles for department use. The vehicles are numbered accordingly:

- 3471 full size blue station wagon
- 3411 compact size lt blue station wagon
- 3546 blue 5 passenger cargo van
- 3706 silver 3/4 ton pickup with lift gate and 4-wheel drive
- 3721 1 ton blue 4-wheel drive truck with dump

In each vehicle you should find a mileage form, accident report form and small first aid kit. The keys and check out calendar for these vehicles are located in the greenhouse office. If you have any question regarding their use or any U of M motor vehicle, please see me.

WINTER START-UP....cooling pad pumps were drained the week of 10/17. The cooling pads will be removed during the week of 10/25. If you have questions on the heat-cool systems in the greenhouse, give me a call.

BLOW OUT....irrigation pipes to the field plot will be blown out during the week of 10/25. Field plot users take note!

GARDEN PLOTTERS.....All garden plots are to be cleaned up by Tuesday October 26. Remove your plant cages, plastic mulch, stakes and other structures. It is not necessary to remove corn stalks or very large plants as this material will be chopped and plowed under.

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WELCOME NEW PEOPLE.....Charlotte Herman (alias Mother Goose) isn't really new as she achieved her bachelors in March in our department and began her Masters with Emily Hoover this past summer. I understand her

research had several set backs but we, in the office, have always thought of Charlotte as one of those people who has her "ducks (*geese*) in a row". (*You can ask her about her geese*). She's an expert in plant materials, burns microwave popcorn consistently and has an office in room 452. *Thank you Charlotte for not submitting an article for the Twig, we took care of it.*

Jardar Myster is a Norwegian Ph.D. student, who will be here visiting/studying with J. Erwin until June 30, 1994. Jardar has worked with disinfection and recirculation of nutrient solutions in ornamental crops. The object of his research was to reduce run off from Norwegian nurseries. His Ph.D. work has been on the pot plant culture *Begonia x hiemalis*, which is very popular in Norway. His work has concentrated on the effected of temperature and light on plant development. In addition, Jardar is attempting to elucidate the effect of DIF on GA<sub>3</sub> metabolism and growth rhythms. He plans to finish his Ph.D. work by October, 1995. His office is 462.

REIMBURSEMENT NOTICE.....it is important for students, staff and faculty to have your records updated in ALL departments that are relevant to your University pursuits. If Payroll and other University offices have updated your records, the accounting office will still not have this new information unless you directly notify us. Therefore, when you request future travel and personal reimbursements, please inform Patrice of your current address. Several reimbursement checks have recently been mailed to old residences because the accounting office personnel do not have access to current addresses. Thank you...Patrice Johnson, Hort Dept. Accounting Office.

OLE and LENA attended a revival meeting one night. At the end of his sermon, the evangelist reached a fever pitch and exhorted the crowd by saying: "all of you who want to go to heaven, step forward and come up to the alter!" Fifty people stepped up, leaving only Ole and Lena alone in the pew. Upon spotting Ole and Lena the minister bellowed, "Don't you two want to go to heaven?" "Ya sure" replied Ole, "but ve didn't know you vas gettin a load to go right now."

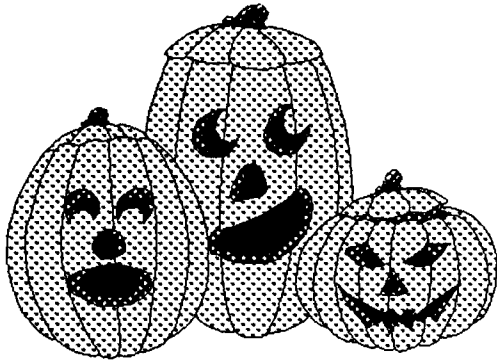
**!GO GOPHERS!**

# twig bender

Volume 11 - #43 - October 29, 1993  
Editor: Evonne Kuyper

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

TODAY...Halloween Happy Hour, Lobby, 4 p.m., come in costume and bring a Halloween treat.



MON- Plant Breeding Seminar, Plant breeding for reduced tillage, Jane Jewett, 3:30 pm, 306 Borlaug.

TUE- Graduate Studies Committee, 8:30 a.m., 398 AlderH.

Employee Benefits Information Fair, 10-3, North Star Ballroom (carrier booths and health screening).

Computer Pals, 11:00 am, 415 AlderH.

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

PBS Seminar, Genetic modification of ammonia assimilation in alfalfa root nodules, Mark Schoenbeck, 3:30 p.m., 335 Borlaug.

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

CANCELED - Department Seminar.

THR- Hort 8066, Discuss prelim question, 4:05 p.m., 394 AlderH.

FRI- Dept coffee hour, 9:30 am, 394 AlderH. Treats by Christi Holeman & Julia Bohnen.

November, 1993

<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>
8	9	10	11	12
15	16	17	18	19
22	23	24	25	26
29	30			

BON VOYAGE....Joe Sowokinos will leave on November 8 for Cambridge UK for a one year sabbatical. Joe recently finished second in the handball masters doubles finals with partner, John Rindt, in the Golden round-robin competition in Fargo, ND. He aspires to compete at the world championships in Ireland while on sabbatical. Good luck against the champion nicknamed Irish Whip.

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ARB/HRC.....delivers to the department on Tuesdays instead of Thursdays. That means you must order apples by 4 p.m. on Mondays.

\*\*\*\*\*

ASA/CSSA/SSSA....is currently accepting applications for two positions in the Congressional Science Fellowship Program available September, 1994. You can contact Robert F. Barnes, Executive Vice President, at 608-273-8080 for more information.

\*\*\*\*\*

FLOWER FUND.....is short. Please leave your contribution with Kathy Lloyd in the main office.

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over

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Safety News

Cindy Tong, Chair, Safety Committee

**EYEWEAR PROGRAM.....**industrial safety eyewear is for anyone who is exposed to a hazardous work environment in which there is a "reasonable probability" that an injury can be prevented by using a protective device. Boynton's Eye Clinic has a good selection of lenses in various styles of frames. For appointment, call 624-2134.

**FIRE EXTINGUISHING.....**fire blankets, if used improperly, can cause more injury than not using them at all. If your clothing, hair, or body gets caught on fire, **STOP, DROP, and ROLL** to put the fire out. A multipurpose (ABC) fire extinguisher can be used on a person; its contents are not toxic to humans. If you are on fire, stop and let someone douse you with an ABC extinguisher to put the fire out. If a fire blanket is used, pat the blanket to put out the flames; otherwise, the blanket could become an insulator, keeping you in flames. The most important thing to do is **NOT START A FIRE** by keeping your environment safe - keep flammables away from combustibles and sparks (like stacks of memos near a coffee pot with faulty wiring). If a fire does start, **CONTAIN** it and the smoke it produces, by closing the hood sash or the doors to your office or lab. Leave the immediate area and call 9-1-1.

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# twig bender

Volume 11 - #44 - November 5, 1993  
Editor: Evonne Kuyper

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

November, 1993				
1	2	3	4	5
<u>8</u>	<u>9</u>	<u>10</u>	<u>11</u>	<u>12</u>
15	16	17	18	19
22	23	24	25	26
29	30			

TUE- Faculty Meeting (Full & Associate Professors only), 9 a.m., 394 AlderH.

Computer Pals, 11:00 am, 415 AlderH.

PBS Seminar, Novel motility in Chlamydomonas flagella unrelated to flagellar beating, Dr. Joel Rosenbaum, 3:30 p.m., 335 Borlaug.

WED- Faculty Meeting, (Full Professors only), 9 a.m., 394 AlderH.

Department Seminar, Genetic Diversity of *Liatris* spp. in Minnesota, 3:30 p.m., 415 AlderH.

Hort Club Meeting, 6:00 p.m., undergrad lounge. Come and help with the upcoming MACHS Convention.

THR- Prelim Exam, 8-4, grad students should pick up the questions from Evonne.

Seminar Series sponsored by Joyce Foundation, COA, IAFHE, Ecological Risks of Biotechnology: One Industry's Approach, Ms. Donna Mitten, Calgene, Davis, CA, 3:00 p.m., 33 McNeal.

FRI- Winter Quarter registration begins.

Dept coffee hour, 9:30 am, 394 AlderH. Treats by Martha Piechowski & Judy Day.

\*\*\*\*\*

OUT OF HAND.....it is difficult for me to keep a handle on department supplies when you take (the last) item(s) from the storeroom without my knowledge. Please check with me before helping yourself. Thanks...Martha P.

\*\*\*\*\*

RETREAT.....for department faculty has been set for December 8. Information will be coming shortly on specific details.

\*\*\*\*\*

ANNOUNCING.....application materials for the 1994 Undergraduate Research Program are now available and should be distributed to all high-ability undergraduates who are potential recruits for our graduate programs. Flyers are posted and you may see Evonne for applications. Deadline is February 1, 1994. Sally Jorgensen is the coordinator and can be reached at 624-2244 for more information.

\*\*\*\*\*

MSR&PC.....Minnesota Soybean Research and Promotion Council invites submission of research proposals which will improve the profitability of soybeans. New & continuing proposals are requested in the three areas, 1) increase protein and oil content, 2) increase the utilization, 3) increase the profitability. See Gary Gardner for application forms.

\*\*\*\*\*

VACANCY.....Zoo Horticulture Curator at the Minnesota Zoological Gardens, Apple Valley. State of Minnesota Department of Employee Relations, Job Location Code #053. Deadline November 12, 1993.

\*\*\*\*\*

COMPLEAT/PRACTICAL SCHOLAR..... Susan Lindoo, Director is soliciting proposals from faculty, post-doctoral fellows, and advanced graduate students for noncredit over

courses to be offered in 1994-95. If you think you might be interested in teaching, please pick up the form from Evonne to be turned into the Program by December 20.

\*\*\*\*\*

ELEVATOR EMERGENCIES.....George, the elevator specialist, says that the emergency button in the elevator is connected to the automation system. The automation system is staffed 24 hours a day. When an emergency arises automation's computer spurts out a printout of the problem area. The police are called. Meanwhile, automation will begin calling a list of seven people that they use for emergency purposes. The individuals are called until someone is reached (the closest person is 2 minutes way) and they come and handle the elevator emergency.

**To initiate the emergency sequence do this:** depressed the emergency button and hold it down for a period of time, it registers as a problem in the automation room. If the button is depressed only slightly, and not consistently, automation will consider it a mistake and disregard it.

\*\*\*\*\*

1993 HOLIDAY SEASON....St. Paul Student Center Games Room invites our department to a free holiday party. They will provide free prizes, free bowling and will reserve the facility for us. Each member of the winning team will receive a FREE 10-12 lb turkey and everyone who participates will get a special gift. Ken McNeal is taking sign-ups for our department. Sign up now for a fun event.

# twig bender

Volume 11 - #45 - November 12, 1993  
Editor: Evonne Kuyper

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

MON- Plant Breeding Seminar, Wheat proteins and breadmaking quality, Rebecca Brown, 3:30 p.m., 306 BorH.

TUE- Computer Pals, 11:00 am, 415 AlderH.

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

PBS Seminar, Transmission of light by plant tissue, Thomas Vegelmann, Dept. of Botany, University of Wyoming, 3:30 p.m., 335 Borlaug.

WED- Faculty Meeting, (Full Professors only), 8:15 a.m., 394 AlderH.

GSC cancelled

Department Seminar, Seed production of native Minnesota plants, Julia Bohnen, 3:30 p.m., 415 AlderH.

Hort Club Meeting, 5:45 p.m., 394 AlderH. After a brief business meeting, we'll be going to Camp Snoopy for a behind the scenes tour of their landscaping.

THR- Seminar Series sponsored by Joyce Foundation, COA, IAFHE, Biotechnology: University-Industry Relationships and University Research Agendas, William Kinney, Dept. of Sociology, St. Thomas University, 3:00 p.m., 33 McNeal.

HORT 8066, Control of silver scurf disease on potatoes, Dr. Salah Farag, 4:05 p.m., 394 AlderH.

GCB Seminar, How do chromosomes get together in meiosis? Robert E. Malone, Dept. of Biology, University of Iowa, 3:30 p.m., 335 BorH

FRI- Dept coffee hour, 9:30 am, 394 AlderH. Treats by Paul Li & F. Lauer.

November, 1993

1	2	3	4	5
8	9	10	11	12
<u>15</u>	<u>16</u>	<u>17</u>	<u>18</u>	<u>19</u>
22	23	24	25	26
29	30			

RETREAT..... December 8..... RETREAT

\*\*\*\*\*

APPLE PRESSING.....at the HRC? Phil Bird will arrange for the apple pressing. Best time is Monday or Tuesday afternoon. Second best is Monday or Tuesday evening (you could have a potluck then). Bring your kids along. Get a group in your lab to go. Ask you relatives. Remember you can make great jelly from the juice, or it will freeze well for later use. Enough apples left to make 200 gallons of cider! Bring your own containers or buy them from Phil for \$.15 each. One bushel of apples will make 3 gallons of cider. Cider is \$.50 a gallon. Phil's voice mail number is 640-7157. Please respond on his mail by indicating:

- 1) You are interested and your name, telephone number.
- 2) The day and if afternoon/evening.
- 3) If evening, do you want Pot luck?

\*\*\*\*\*

DEPT DIRECTORY....additions, deletions, corrections should be submitted in writing to Kathy Lloyd in the main hort office.

\*\*\*\*\*

STUDENT-STAFF DIR....recycle your old books with US West directories in January.

\*\*\*\*\*

\*\*\*\*\*

MARK CALENDARS....The Environmental Horticulture Search Committee announces that candidates will be interviewed beginning the week of November 22. Our first candidate, Neil Anderson, will give a research seminar at 10 a.m., Monday, November 22 and an extension seminar at 9 a.m., Tuesday, November 23.

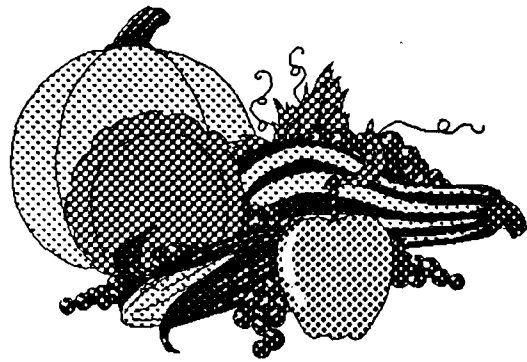
Other candidates are as follows:

Mary Meyer, Dec. 2 & 3  
Kim Tripp, Dec. 6 & 7  
Candice Shoemaker, Dec. 13 & 14  
Nancy Creamer, Dec. 15 & 16

Watch your main for further details. Deb Brown, Chair.

\*\*\*\*\*

NEED COGS REP...GRAD STUDENTS . . . Gerard Engelen-Eigles announces that he can no longer serve as your Council of Graduate Students representative beginning Winter Quarter. It is exciting group of grad students who are involved in decision making in the university. You get to go to Mpls at least twice a quarter, which will give you a different perspective on life!! Please talk to Gerard (262 Alderman) so he can take you to the next meeting.



Greenhouse News  
Roger Meissner

HEADHOUSE BASEMENT CLEAN UP.....during the next two weeks, I will be cleaning up the basement in the headhouse. If any project has anything they would like disposed of at this time, place it outside their cages and note 'discard'. Also if any projects have any material outside of their cages they want to keep, please label. Any questions, contact me.

HAVE A GREAT WEEKEND



# twig bender

Volume 11 - #46 - November 19, 1993  
Editor: Evonne Kuyper

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

One newsletter for two weeks.  
NOVEMBER 21-26

NOVEMBER 29-DECEMBER 3

SUN- MCN Channel 6, 9 am & 9 pm,  
Christmas Trees: Green and fragrant  
and Minnesota-grown.

MON- Environmental Horticulture Candidate  
Research Seminar, Emerging  
horticulture paradigms: low input and  
environmentally perceptive gardening,  
Neil Anderson, Research Associate,  
Dept. of Horticultural Science,  
University of Minnesota, 10:00 a.m.,  
394 AlderH.

Plant Breeding Seminar, Preventing  
resistance to resistance, Rick Harrison,  
3:30 p.m., 306 BorH.

TUE- Environmental Horticulture Candidate  
Extension Seminar, Empowering  
master gardeners: innovative training  
techniques, Neil Anderson, Research  
Associate, Dept. of Hort Sci, U of MN,  
9:00 a.m., 394 AlderH.

Computer Pals, 11:00 am, 415 AlderH.

PBS Seminar, The mass parasites,  
pivotal ancestors to basidiomycetes -  
fact or fiction?, Beth Frieders, Dept.  
of Biology Ph.D. research proposal,  
3:30 p.m., 335 Borlaug.

WED- Undergraduate Affairs Committee,  
10:30-11:30 a.m., 398 AlderH.

THR- Thanksgiving Day

FRI- University Holiday - No Twig Day

REMINDER...sign up for interviews with Neil  
Anderson, our 1st candidate for the  
Environmental Horticulture position at the  
Arb, in the main hort office. A folder with  
Neil's statement of teaching, research &  
outreach interests is located there for your  
perusal.

MON- Plant Breeding Seminar, Conservation  
of genetic linkages across genera, Paula  
Olhoft, 3:30 p.m., 306 BorH.

TUE- Computer Pals, 11:00 am, 415 AlderH.

PBS Seminar, Invasion and exclusion  
among co-existing bacteria on leaves,  
Dr. Linda Kinkel, Dept. of Plant  
Pathology, 3:30 p.m., 335 Borlaug.

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

WED- Graduate Studies Committee, 10:30-  
11:30 a.m., 398 AlderH.

Department Seminar, Vernalization  
and Light Quality Effects on Japanese  
Radish *Raphanus sativus*, Gerard  
Engelen-Eigles, 3:30 p.m., 415 AlderH.

THR- Hort Club Holiday Plant Sale, 9-5  
p.m., STSC. *Shop til you drop!*

Environmental Horticulture Candidate  
Research Seminar, The inheritance and  
linkage of growth habit and isozyme  
genes in Fountain Grass, Dr. Mary  
Meyer, 10:00 a.m. Room to be  
announced.

GCB Seminar, Eye-brain interactions  
during *Drosophila* visual system  
development, 3:30 p.m., 335 BorH.

HORT 8066, Discuss Nov 11 prelim,  
4:05 p.m., 394 AlderH. Drs. Strefeler,  
Luby, Ascher.

FRI- Environmental Horticulture Candidate  
Extension Seminar, Ornamental  
Grasses for Minnesota, Dr. Mary  
Meyer, 9:00 a.m. Room to be  
announced.

Dept coffee hour, 9:30 a.m., 394  
AlderH. Treats by Pam Sanders and  
Don White.

UNIVERSITY 2000....documents are available in the main office.

REMINDER....you can also sign up for interviews with Mary Meyer, our 2nd candidate for the Environmental Horticulture position at the Arboretum, in the main office. A folder containing Mary's statement of teaching, research & outreach interests is on the round table in 305 AlderH.

THANK 'U' COMMUNITY FOOD DRIVE (part II) is Nov 22-24. Non-perishable food items can be dropped off at the SPSC Information Desk, St. Paul Campus Gym and St. Paul parking lot #108 (free parking with food items).

FACULTY RETREAT..... December 8, Luther Northwestern Theological Seminary, Stub Hall Lounge.

SPAN....Student Project for Amity Among Nations is accepting adviser applications and country proposals for summer 1995. Two-year, paid, part-time position is open to any faculty member with international experience and a master's degree (PhD preferred). Advisers recruit students, teach them about the country, assist them in setting up individual research projects, spend 8 weeks in country during the summer, read and grade research projects the next year. Call Julie Sukowatey at 626-1083. Applications must be postmarked by Dec. 15.

HOLIDAY PARTY.....the committee is planning door prizes for adults and children so they are in need of any new unwanted items for this purpose. They can be serious or gags! Doubles on children's Happy Meals that are still in wrappers are a great donation. If you have questions or can donate anything...see Esther Thorp in the accounting office.

Patrice Johnson is in search of a karoake machine for use at the December 9th festivities. If you have, or know of anyone who has access to such a machine, call her at 624-1284.



## NEWS FOR HORT UNDERGRADS

ASHS invites applications for the 1994-95 E. Ted Sims, Jr. Memorial Scholarship (\$1,000). Applicants must be nominated by the department head (one applicant per department). Criteria: Junior or senior class standing beginning Fall 1994, registered as a full-time student (12 cr hrs min), excellence in academic performance in the major, participation in extracurricular activities relating to horticulture, commitment to the horticulture profession. If you meet the above criteria, submit your documentation (application form from Evonne Kuyper in main office, 250-word essay and three letters of reference) to Gary M. Gardner by January 14, 1994.

GRADUATING? If you anticipate graduating, application deadline are as follows:

Winter Qtr 1994 - September 30, 1993  
Spring Qtr 1994 - January 7, 1994  
SSI & II, 1994 - January 7, 1994  
Fall Qtr, 1994 - April 1, 1994

Before you apply to graduate you will need to meet with your advisor to have them sign your completed program sheet. You will be required to submit that signed copy of your program sheet with your graduation application to 130 Coffey Hall (which is where you pick one up).

HORT CLUB....invites anyone interested to their HOLIDAY WREATH MAKING AFFAIR on November 24 at 6:00 p.m. in the Hort Greenhouse. They accept donations to help defer the costs. Although supplies and accessories will be available, you may bring your own. See you there!

FREE HOLIDAY BOWING PARTY . . . .  
complements of the SPSC Games Room is

over

December 10 from noon to 2 p.m. for the Horticulture Department. Ken has arranged the teams according to the list below. If you must cancel for some/any reason, see him immediately so he can get a substitute.

### Bowling Holiday Party

	Reported	Team:							
	Score:	A	B	C	D	E	F	G	H
Jardar Myster	50	50							
Paul Buccaglia	75	75							
Rick Harrison	100	100							
Emily Hoover	100	100							
Jeff Mackey	125	125							
Vince Fritz	175	175							
Paul Li	50		50						
Betsy Zimmermann	75		75						
Ken McNeil	100		100						
Esther Thorpe	110		110						
Julia Bohnen	125		125						
Greg Gingera	162		162						
Wael El-Tohamy	50			50					
Evonne Kuyper	87			87					
Sopheak Sim	100			100					
Daniel Warnock	112			112					
Steve Lund	125			125					
Roger Meissner	150			150					
Patrice Johnson	50				50				
Dave Larson	95				95				
Gustavo Robleto	100				100				
Martha Piechowski	112				112				
Meghan Sinclair	125				125				
Dave Olson	137				137				
Rika Van Huizen	50					50			
Susan Fuerstenberg	87					87			
Jerry Pierson	100					100			
Mark Strefeler	125					125			
Dave Davis	125					125			
Bud Markhart	137					137			
Ridong Chen	50						50		
John Murray	90						90		
Heather Kreidermacher	100						100		
Pam Sanders	120						120		
Alex Ellram	125						125		
Christopher Gram	137						137		
Doug Foulk	75							75	
Becca McNeil	85							85	
Tami Van Gaal	100							100	
Susan Wiegrefe	112							112	
Angie Klidzejs	125							125	
John Carter	130							130	
Chen-Yi Hung	75								75
Al Smith	85								85
Laura Kalisch	100								100
Kathy Lloyd	112								112
Jeff Boore	125								125
Karl Sauter	130								130
Average Score:		Estimated score per team:							
	624	625	622	624	619	624	622	627	627

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## GREENHOUSE NEWS

Roger Meissner

**PESTICIDE APPLICATION...**I would like to thank everyone for their cooperation during the past two months. Sanitation in the greenhouse has been greatly improved. The Friday pesticide application seems to be working very well. Thanks again for your cooperation.

**SOIL PROGRAM.....**We have in stock four different soil mixes, 1) *Baccto*, 2) *Stronglite Universal Mix*, 3) *Stronglite High Porosity*, 4) *Stronglite Germination Mix*. Along with these mixes we also stock the following: peatmoss, vermiculite, perlite surface, washed sand and a sandy loam soil. If you need a certain soil mix to be made up, fill out a work order which is located in the greenhouse office. Advance notice of 2 days is much appreciated. If you have any comments on our soil program, please leave me a note.

**SECURITY REMINDER....**Projects assigned to the eastern most sections of the greenhouse (K-6,H-6,G-6,F-6,E-6) should remember to check to see if the doors leading to the outside are locked daily.

**THANKSGIVING HOLIDAY....**the greenhouse will be staffed over the holiday. If you have any special request, please turn in a greenhouse work order or post it on the greenhouse section door.

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**BUSH SABBATICAL APPS....**all tenured faculty should have received the guidelines for the Bush Sabbatical applications. If you did not receive the guidelines and you're planning to apply, please see Laura Kalisch. **DEADLINE:** Monday, January 3, 1994.

THIS ONE'S FOR KATH.....

### Close to Home / John McPherson



"For the last time, Watkins, you can *not* have the day *after* Thanksgiving off!"  
*BEFORE*

**U S POSTAL SERVICE....**informs the main office that DuPont Pharmaceutical Company in North Billerica, MA is no longer willing to pay for the return of styrofoam containers. We will have to pay that recycling charge at this end. Labs need to keep that in mind.

# twig bender

Volume 11 - #47 - December 3, 1993  
Editor: Martha Piechowski

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

DECEMBER 6-10

MON- Environmental Horticulture Candidate Research Seminar, Whole Plants in the Environment: Investigating Plant Response on an Organismal Basis - A Synopsis of two series of integrative studies on various plant responses to stressful environmental parameters, Dr. Kim E. Tripp, NCSU Arboretum Post-doctoral Associate, 10:00 am, 415 AlderH.

Biomass Energy Seminar and Panel Discussion, 3:00-5:00 pm, Room 335 Borlaug Hall. See seminar notice.

TUE- FCC Meeting 2:00-5:00 pm, Room 398 AlderH.

Environmental Horticulture Candidate Extension Seminar, Four Season Artistry: The Case for Conifers - A slide survey of the creative use of a range of conifers in gardens and landscapes across the U.S. that promotes their increased importance for modern, low-maintenance landscapes, and offers ideas and notes on use, culture and propagation of conifers for today's increasingly urban gardens, Dr. Kim E. Tripp, NCSU Arboretum Post-doctoral Associate, 9:00 am, 415 AlderH.

Computer Pals, 11:00 am, 415 AlderH.

WED- UAC Meeting, 10:30-11:30 am, 398 AlderH.

THR- Faculty Meeting, 9:00 am, 394 AlderH

Graduate Faculty Meeting at 11:00 am, 394 AlderH.

FRI- COA High School Visit Day

MacARTHUR Interdisciplinary Program on Peace and International Cooperation is giving *Predissertation Fieldwork Grants* of up to \$2000 for the year beginning July 1994. Contact Jim Luby for more information or see the flier posted on the bulletin board.

PROPOSALS for MN Area II Potato Research and Promotion Council Grants, 1994 are due to Dr. Michael Martin in 220 Coffey Hall no later than December 31, 1993.

CONGRATULATIONS To Dr. Baolong Zhu who passed his Ph.D. final examination on November 29. He will be at the University of California, Riverside, on a post-doc capacity at the Dept. of Plant Science and Botany!

COGS----who needs it?!! (a test in reverse psychology) come talk to Gerard at 262

NOMINATIONS are now being accepted for the 1992 Civil Service Outstanding Performance Award. Please turn your nominations in to the Civil Service Awards p.o. box no later than December 31. Thanks, Laura.

REMINDER, please turn in your reservations to the Departmental Retreat in Evonne's mailbox ASAP. The retreat is December 8.

FOREIGN National employees are reminded to complete a new Tax Treaty form for calendar year 1994. If you are eligible, please see Laura Kalisch to obtain the form.

A copy of the draft of UNIVERSITY 2000 is available from Evonne. It is also available on the Gopher Internet in the University Planning folder.

The New Officers for 1994 MACHS from Minnesota are: Scott Endres - Chairperson and Mark Caspers - Historian. Congratulations.

ELECTRICITY is no longer "Penny Cheap". An average American home could be electrified for 3 days on the power that is used by (1) 1576<sup>2</sup> plant growth chamber in 1 day. This chamber is our medium sized unit; larger chambers would use more energy, smaller ones, somewhat less. This comparison is made only to give an idea of our power used and not to scare researchers away from necessary chamber use. Another thing to keep in mind is that soon we will be billed for our building's energy use. So, for reasons financial and environmental, it would be wise to carefully consider your project's chamber use. Use when necessary, but whenever work is finished and not expected to resume for more than 1 day, it would be good to shut the unit down. If you have any questions on shutdown or restart of the chambers you are using, please call: Dave Olson at 4-4276. Thanks.

DECORATION alert...please bring any of the following decorations you have at home so we can decorate the tree and party rooms: garland, ornaments, gift wrap (or Sunday's funnies page) etc. We also need glitter & washable markers, for crafts. You can turn the above items into Esther or Kathy by next Wednesday. Also if you have any appropriate seasonal music for the holiday party, please give the tape or CD to Robert Quene. Thanks.

The Department Holiday party is less than **ONE** week away. We are still in need of some door prize donations--gags or serious! So check those cupboards, clean the closets and donate! You can wrap the present and let me know if it's for an adult or child, gag or serious. You can't win what we don't have! Thanks. Esther Thorpe.

Holiday Party Refrigerator Message--John M. begins to toss and clean the fridge in Shirley's kitchen soon. Please remove your "food" by December 7. Thanks. Kathy L.

Next Monday and Tuesday Candidate #3, Dr. Kim Tripp, will be in the department interviewing for the Environmental

Horticulture position. Please make an effort to attend her seminars and sign up to speak individually (or in pairs) with her. Also, candidate #4, Candice Shoemaker, will be here December 13 and 14; our final candidate, Nancy Creamer, will be here December 15 and 16.

The SAFETY COMMITTEE wants to thank everyone for clearing up their safety violations from the past. The second floor solvent room is in much better shape than before. We found few violations. We will contact P.I.s if violations were found in their areas.

There are still a few undated chemicals in the second floor solvent room. Please make sure that if your name (BRENNER, HACKETT & LI) is on a bottle, that it has a date on it if you want to keep it. If you don't want to keep it, please manifest & box it up for Environmental Health & Safety pick-up. Please do this by December 10 (last chance!). During the week of December 13, Roger & Cindy will box up all incorrectly labeled bottles and will charge projects for their time.

Labs will need to purchase secondary containment for their flammables, corrosives, and liquid poisons (**even those in cabinets & the second floor solvent room**). Roger will order containment vessels for labs if you get your order to him by December 31. Please tell him how many vessels and what sizes you will need.

# twig bender

Volume 11 - #48 - December 10, 1993  
Editor: Evonne Kuyper

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

TODAY- Free Holiday Bowling Party, noon to 2 p.m., SPSC.

MON- Environmental Horticulture Candidate Research Seminar, Environmental effects on growth and development in *Begonia semperflorens x cultorum* and research on the people-plant interaction, Candice Shoemaker, Assistant Professor of Horticulture, Berry College, Mt. Berry, Georgia, 10:00 a.m., 415 AlderH.

Holiday Cookie Exchange, noon, 394 AlderH. Sign up in main hort office. Bring a bag lunch.

TUE- Fall Quarter grades DUE to Evonne.

Greenhouse Committee, 8:00 a.m., 398 AlderH.

Environmental Horticulture Candidate Extension Seminar, Horticulture / Human Culture: the past, present and future, Candice Shoemaker, Assistant Professor of Horticulture, Berry College, Mt. Berry, Georgia, 9:00 a.m., 415 AlderH.

WED- Environmental Horticulture Candidate Research Seminar, Cover crop selection and management for vegetable production systems, Nancy Creamer, PhD Candidate, Department of Horticulture, The Ohio State University, 10:00 a.m., 415 AlderH.

THR- Environmental Horticulture Candidate Extension Seminar, Non-chemical weed management for the home garden, Nancy Creamer, PhD Candidate, Department of Horticulture, The Ohio State University, 9:00 a.m., 415 AlderH.

FRI- Department coffee hour, 9:30 a.m., 394 AlderH. Treats by Paul Bucciaglia and Mark Strefeler.

December, 1993

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<u>13</u>	<u>14</u>	<u>15</u>	<u>16</u>	<u>17</u>
20	21	22	23	24
27	28	29	30	31

REMINDER....our last two candidates for the Environmental Horticulture position will be interviewing Mon/Tue and Wed/Thr. Please try to attend their seminars and sign up to visit with them individually. Then fill out the purple "candidate evaluation sheet", comparing all the candidates. (If you need one, check with Lynette.) return them to Deb Brown, search committee chair, by noon on Friday, December 17. The committee plans to meet Friday at 1 p.m.

\*\*\*\*\*

KERMIT OLSON LECTURE....date announced as March 1. Please reserve on your calendar now.

\*\*\*\*\*

KUDOS...Shirley Mah Kooyman, coordinator of volunteers at the Arboretum is featured as a plant scientist in Holt, Rinehart and Winston's new middle school textbook, Life Science. She is shown at the Arboretum and Minnesota State Fair, and she explains, in simple terms, some of the things a plant scientist does. (Shirley is completing her M.S. in botany.)

\*\*\*\*\*

REQUEST.....from Cindy Tong. To anyone who uses the "house" deionized water, please, please, please make sure you turn off the tap when you've got what you wanted. Whenever the house supply gets depleted, the resin in my water purifier gets messed up, and I have to spend \$290 to get new cartridges. Thanks.

MISSING.....the clickers for the slide projectors in 398/394. Please return.

\*\*\*\*\*

MENTORING EXPERIENCE.....for undergraduate students. Roland Peterson, Ag Ed and Ext, has a project with Chiron Middle School in Minneapolis. In this project we use undergraduate students to carry on a mentoring experience with 2-4 middle school students. He needs at least 20 students each term for about 3 hours/per week. This is a very rich, rewarding and unique experience. Please contact him at 624-2221 if you are interested.

\*\*\*\*\*

SELLING COURSE PACKETS....University Bookstores has learned that Custom Academic Publishing, an independent course packett service, is contacting University departments offering to produce course packets for winter quarter. Custom Academic Publishing claims that these packets will be sold in the University Bookstores. These packets will NOT be for sale at the Bookstores as Custom Academic Publishing has not made arrangement to carry them. Course packets are currently sold by Copies on Campus and permissions can be obtained through the Copyright Permissions Center. Please be aware of this situation.

\*\*\*\*\*

HOUSINGREQUEST.....from September 1994 to August 1995 for Lynne Brown, Ph.D., Nutritionist, Pennsylvania State University, during her sabbatical leave at the U of M. Dr. Brown will be studying family/consumer decision-making models with the faculty of the Department of Family Social Sciences, College of Human Ecology. She is interested in furnished living arrangement and would like access to a garage. Contact Mary Darling, FScN, 624-6286

\*\*\*\*\*

CONFERENCE.....Sustainable Agriculture, The Quiet Revolution, February 14-15, 1994, Earle Brown Center, St. Paul Campus. Fourteen farmers from eight farms using sustainable production practices will share their experiences with the participants in this

conference. The conference is designed so that all participants will be able to hear and discuss with all presenters in concurrent small group sessions. All faculty may attend free of registration charges. Posted on bulletin board across from faculty mailboxes.

\*\*\*\*\*

QUOTE FOR THE DAY....."[After I die,] I want it said of me that I plucked a weed and planted a flower wherever I thought a flower would grow" *Abraham Lincoln*



# twig bender

Volume 11 - #49 - December 17, 1993  
Editor: Evonne Kuyper

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

SUN- MCN Channel 6, 9 am & 9 pm,  
Garden Gadgets and Gifts: Gift-giving  
ideas for gardeners.

December, 1993				
		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	31

TUE- Computer Pals, 11:00 am, 415 AlderH.  
Faculty Consultative Committee, 2  
p.m., 398 AlderH.

THR- University Floating Holiday

FRI- University Major Holiday

## Looking Ahead

Dec 28 - Retirement  
Reception honoring  
Marge Williams,  
executive secretary  
for the Dean and  
Director from MES.  
Cherrywood Room,  
2-4 p.m.



Jan 4 - Department coffee hour for winter  
quarter will be Tuesdays at 9:30 a.m.

Jan 4 - Env Hort Search Committee, 3:30 pm.

Jan 6 - UAC - 9:30 a.m.

\*\*\*\*\*

CONGRATULATIONS.....to Butch and Linda  
Petersen on the birth of their daughter,  
Amandi Cherrae, December 8, weighing 8 lb  
and 22" long. Butch wishes everyone a happy  
and joyous holiday season and the next time  
you are in the Virgin Islands, look him up.

HOLIDAY BOWLING PARTY....held  
December 10 was a BLAST....The prize  
turkey's were given to the food shelf. The  
scores were as follows:

TEAM #1 - 1561. Members were Jardar  
Myster, Paul Bucciaglia, Rick Harrison, Emily  
Hoover, Jeff Mackey & Vince Fritz.

TEAM #2 - 1211. They were Betsy  
Zimmerman, Ken McNeil, Esther Thorpe, Fei  
Wang, Julia Bohnen, Greg Gingera.

TEAM #3 - 1492. Evonne Kuyper, Sopheak  
Sim, Daniel Warnock, Steve Lund, Roger  
Meissner broke this alley.

TEAM #4 - 1238. Members Patrice Johnson,  
Dave Larson, Alfredo Robleto, Martha  
Piechowski, Meghan Sinclair, Dave Olson  
broke lane number 4. And the lanes wrecked  
Martha's bowling ball (which they fixed like  
new already).

TEAM #5 - 1517. Susan Fuerstenberg, Jerry  
Pierson (?average of 100? - guess again), Mark  
Strefeler, Dave Davis, Bud Markhart all lied  
about their average. They are banned from  
this party forever.

TEAM #6 - 1416. Members were Ridong  
Chen, John Murray, Heather Kreidermacher,  
Pam Sanders, Alex Ellram and Chris Gran.

TEAM #7 - 1441. Doug Foulk, Lynnette  
Brudvig, Tami Van Gaal, Susan Wiegrefe,  
Angie Klidzejs with John Carter as a no show.

TEAM #8 - 1421. Team members were Chen-  
Yi Hung, Al Smith, Laura Kalisch, Kathy  
Lloyd, Jeff Boore, Karl Sauter.

Karl Sauter had high game of 240!  
Congratulations. A good time was had by all.  
Many of us had not bowled in several/many  
years or not at all. Thanks to the SPSC for a  
great time.

\*\*\*\*\*

REPORT.....slippery sidewalks or steps to  
Facilities Management's grounds unit at 624-  
3351 so action can be taken to prevent injuries.

\*\*\*\*\*

ASHS STUDENT TRAVEL GRANTS.....35  
travel grants of \$200 each will be awarded to  
the 1994 ASHS meetings in Corvallis (August  
7-11). Students who are enrolled in hort sci  
over

and have submitted an abstract for either an oral or a poster presentation at the Nashville meeting should get an application from Evonne in the main office. It should be filled out and returned to Evonne before January 14.

\*\*\*\*\*

Single Quarter Leave applications will be due in the College Office on Friday, January 21. Interested faculty should see Laura Kalisch for application information.

\*\*\*\*\*

The deadline for the 1993 Civil Service Employee Outstanding Performance nomination has been extended to Friday, January 14, 1993 at 3 p.m. Please turn in your nominations to the Civil Service Awards Box near the third floor mailboxes. Eligibility will be weighed on evidence of:

- degree to which the performance is above job expectations
- benefit to assigned program(s)
- benefit to the Horticulture Department
- evidence of cooperation extended (supervisor, faculty, grad students & other civil service employees) in job performance
- evidence of new learned skills acquired or applied in accomplishing the deed.

\*\*\*\*\*

PLEASE help me find my slides! I left a carousel in 398 Alderman on Monday, December 6 which disappeared by Friday, December 10. If you used the 398 projector during that week please check your carousels to see if mine was inadvertently picked up. Many of the slides refer to "Tag 1". Thanks, Paul Bucciaglia.

\*\*\*\*\*

End of the year Book-Give-Away. Evonne has a list of miscellaneous books which are being given away by the College Office, before January 15. If you are interested in owning any of these books come to 277 Coffey Hall and have a look.

\*\*\*\*\*

The Kermit Olson Lecture will be March 1, 1994 in 110 Green Hall, 3 to 5 p.m.

Thanks to all who helped make the Department party fun and successful. If you have any outstanding expenses for the party, please see Esther or Kathy.

# twig bender

Volume 11 - #50 - December 30, 1993  
Editor: Martha Piechowski

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

January, 1994				
<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>	<u>7</u>
10	11	12	13	14
17	18	19	20	21
24	25	26	27	28
31				

The civil service professional development fund proposals submitted by our department have been awarded \$2,000. We will be meeting in mid-January to determine which workshops we will be developing. Thanks to all the civil service employees who suggested topics for the funds and especially to the committee (M. Piechowski, K. Lloyd, P. Johnson and D. Olson) for their work on the proposals.

\*\*\*\*\*

MON- Wheat Proteins and Bread Making Quality by Rebecca Brown, 3:30 p.m., 306 Borlaug Hall

TUE- The Department coffee hour will be on Tuesdays this coming quarter, 9:30 a.m., 394 AlderH. Please bring your old Christmas cookies or whatever this week until we get some people signed up.

Computer Pals, 11:00 am, 415 AlderH.

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

Environmental Search Committee Meeting, 3:30 p.m., 398 AlderH.

THR- IAFHE Retreat. 7:45-5:00, Northstar Ballroom, St. Paul Student Center. Sponsored by the Institute of Agriculture, Forestry, and Home Economics. Contact: Candy Zapzalka, 624-33460.

UAC Meeting, 9:30 a.m., 398 AlderH.

\*\*\*\*\*

NAME THE AZALEA! We need a name for Azalea 43, which will be our next introduction. The flower color is shades of orange. Think of a name ending with "Lights" (e.g. 'Orange Lights') to go with the rest of the Lights Series azaleas. Send entries or call Harold Pellett (443-2460 x 735) by January 12.

Please bring the box sealing tape dispenser back to the supply closet. It costs \$13.26 without the tape in it. You may walk off with a disposable dispenser but not the regular one. Thanks.

\*\*\*\*\*

Lab Master says: There's a time to sow and time to harvest. The spinach is up in the garden plots and the last 1993 sowing is scheduled for this week. (This is truly an amazing garden).

Congratulations to Greg Gingera who took his oral prelims last week! And passed, we assume.

\*\*\*\*\*

Here is the FCC schedule for this year: 1/11, 1/25, 2/8, 2/22, 3/8, 3/22, 4/5, 4/19, 5/3, 5/17, 5/31, 6/14, 6/28, 7/12, 7/26, 8/9, 8/23, 9/6, 9/20, 10/4, 10/18, 11/1, 11/15, 11/29, 12/13, 12/27

\*\*\*\*\*

The department has just learned that Kathy Lloyd was involved in a serious car accident on her way to work this morning. She is in stable condition at Mercy Hospital in Coon Rapids. Doctors are doing tests to determine the extent of injuries.

**FAXED**  
12/30

*W. C. ... Arb. + Grand Rapids*