

TWIG-BENDER

Vol. 5 - #45 -- January 9, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - JAN 12-16

- MON - Plant Breeding Seminar - "Selection for Cold Tolerance" presented by Elizabeth Lamb - 4 p.m., 306 Borlaug Hall
- Discussions in Horticultural Research - "Variation for Tolerance of Higher pH Soils in Vaccinium spp." - presented by Chad Finn, 7 p.m., Fireplace Room, McNeal Hall. After-session at Carl Rosen's, 1783 Malvern Street, St. Paul
- TUE - Faculty Meeting - 8:30 a.m., 394 AlderH
- Departmental Coffee Break - 2:30 p.m., 394 AlderH. This week's treats on the house!
- WED - Departmental Seminar - "Apical Dominance in Tomatoes" - by Mark Brenner - 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar
- THUR - Plant Physiology Seminar - "Translation Regulation of Mitochondrial & Chloroplast Biogenesis in Euglena" - presented by Antonio Monroy, Department of Plant Pathology, 3 p.m., 335 Borlaug Hall
- FRI - Undergraduate Affairs Committee meeting, 1 p.m., 398 AlderH
- Floriculture Seminar - "Africa From My Eyes" - by Ben Bergman, 3 p.m., 398 AlderH

CONGRATULATIONS to Dr. Kevin Niemi who passed his final exam for the PhD yesterday.

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FIRST UAC MEETING of the winter quarter will be held on Friday, January 16 at 1 p.m., in 398 AlderH. Agendas will be in committee members' boxes prior to the meeting.

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SMALL GRANTS PROGRAMS SAMPLER & Information Meeting will be held on Tuesday, January 20, from 2:30 to 4:00 p.m., in the Dale Shephard Room of the Campus Club. The meeting will include discussions on guidelines & selection process & presentations by small grants project directors. Mark your calendars now if you're interested.

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FRENCH WINE TASTING GALA - January 17th, select wines of France will be sampled. Ticket donation of \$6.50 can be given to B. Liedl or K. Pomper by Wednesday (1/14). The gala will be hosted by Muggs Stahler at her apartment, 741 W VanBuren #1, in St. Paul (489-4282). Time: 8 p.m., Dress: Imaginative French-wear. The wine committee promises another rousing event! Everyone is welcome!! Don't forget to bring your favorite French wine tasting glass.

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DR. JAMES WATSON, vice president of customer relations & agronomist for The Toro Company, has been named 1986 Man of the Year by both Landscape & Irrigation & Weeds, Trees, & Turf magazines. Dr. Watson is an adjunct professor in our department.

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PUBLICATION: David R. Rubino & Todd C. Wehner. 1986. Effect of Inbreeding on Horticultural Performance of Lines Developed from an Open-pollinated Pickling Cucumber Population. Euphytica 35:459-464.

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THERE IS A CART in the herbicide room full of herbicides that need to be claimed & put away. All chemicals still on this cart in 2 weeks will be disposed of. No herbicides can be stored on the floor.

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TUESDAY COFFEE on January 20 at 9:30 a.m. will be the day we introduce David Pitt to the social side of us & the Tuesday tradition. Please join us!!

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!! OVER - OVER - OVER !!

CHICKEN RICE SALAD --

- 1 can chicken broth (13-3/4 or 14 1/2 oz)
- 1 C rice
- 1/2 C vegetable oil
- 2 T soy sauce
- 1/2 tsp salt
- 2 T toasted sesame seeds (optional)
- 2 C diced, cooked chicken, turkey or pork
- 1/4 lb fresh bean sprouts
- 1/4 lb fresh mushrooms, sliced
- 4 green onion with tops, sliced
- 1 jar (2 oz) sliced or diced pimento, drained

Add enough water to chicken broth to make 2 1/2 C liquid. Cook rice in liquid. Transfer to large bowl. Combine oil, soy sauce, salt & sesame seeds; mix well. Stir into hot cooked rice. Cover & chill. Stir in remaining ingredients before serving. From the kitchen of Chef Rubino

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THE FLORICULTURE CREW will be hosting an open house on January 13 in the headhouse for the commercial flower growers. If any student or group would like to put up a display or poster which would be of interest to the group, contact REW or HFW. Please! Thanks! Also -- please help out Roger by keeping the greenhouse/headhouse clean prior to this event. HFW

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DR. BILL MANSOUR will be in the department on Monday & Tuesday before leaving for Morocco. Anyone wishing to schedule time with him should do so for Tuesday a.m.

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JUDGES NEEDED to evaluate raspberries (4), strawberries (8), & blueberries (10). Please sign up in 369 AlderH & give times available. Thanks.

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And always remember. . . You can't be a beacon if your light doesn't shine!

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!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #46 - January 16, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - JAN 19-23

- MON - Martin Luther King's Birthday
Observed - University Holiday
- TUE - Department Coffee Break - 9:30 a.m.
Anyone willing to bring treats is
encouraged to do so!!
- Graduate Studies Committee - 1:15
p.m., 398 AlderH
- Consultative Committee meeting -
3:00 p.m., 398 AlderH
- Botany Seminar - "Adventitious Root
Initiation in hedera helix:
Competence in Juvenile & Mature
Petioles" - presented by Wesley
Hackett, 4 p.m., 70 BioSci
- WED - Departmental Seminar -
"Environmental Data Sources &
Applications" - presented by Mark
Seeley, Department of Soil Science, 4
p.m., 415 AlderH
- THUR - Plant Physiology Seminar -
"Cytological & Biochemical
Investigations of a Dinitroaniline
Resistant Eleusine" - presented by
Kevin Vaughn, USDA-ARS, Southern
Weed Science Lab, Stoneville, MS
- FRI - Lunch with Ruth - 12 noon, 423
AlderH

SEMINAR
SPECIAL SEMINAR - On Friday, January 23, at
9 p.m., in 394 AlderH, Dr. Dick Tinus will
present a seminar on "Comparison of Methods
for Measurement of Cold Hardiness on Western
Conifers" & "Relationships of Cold Hardiness,
Root Growth Capacity & Bud Dormancy in
Western Conifers". Dr. Tinus is a plant
physiologist who developed the accelerated
growth program. He is presently with the
Rocky Mountain Forest & Range Experiment
Station, Forestry Sciences Lab, NAU, Flagstaff,
AZ.

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IF YOU ARE interested in participating in the
Fruit Growth Discussion Group, fill out a time
schedule & return it to Sonja Maki by
Wednesday, January 21.

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PI ALPHA XI is going to the zoo!! If you're
interested in a behind the scenes tour of
horticulture at the Minnesota Zoo, join us on
Friday, January 23. Everyone should meet at the
headhouse at noon to get to the info desk of the
zoo by 1 p.m. Everyone is welcome to join the
group. We are also holding a chili dinner in 394
when we return (about 5 p.m.). Sign-up on the
wall outside of 394.

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ANYONE PLANNING to attend the Stadler
Genetics Symposium in Columbia, Missouri, March
16-17, & interested in coordinating travel & room
plans should contact Bridget Ruummele by Friday
the 23rd. Preregistration is due February 15.
See Bridget or Peter Ascher if you need a copy
of the registration form. (We could have the
unofficial pre-conference rock garden & Don
Quixote landmark tour if our "guides" still
remember how we got lost).

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DON'T FORGET about the potluck lunch planned
to say farewell to Ruth Harter on her last day
with us in horticulture. As you probably know,
Ruth will be leaving us for International
Agriculture in Coffey Hall & her last day is Friday.
Sign-up sheet by the grad student p.o. boxes.

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A NEAR MISS -- The Hort Spikers lost two close
games 16-14; 16-14 Wednesday evening in their
first volleyball match against the Wooden Spikes.
Spectacular diving saves, serves, &/or spikes
were contributed by Phil Allen, Brian Corr, John
Dole, Mike Evans, Julie O'Leary, Bridget
Ruummele, Rick Stapfer & Marcy Taylor. Now
that we are warmed up, next week's
performance should be awesome! The schedule
is posted on the grad bulletin board.

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REMEMBER that Tuesday's coffee break is your
chance to meet David Pitt. Break begins about
9:30 a.m., in 394 AlderH. Everyone is welcome
& encouraged to participate.

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!! OVER - OVER - OVER !!

I MADE IT!! I got my MS (1/9/87) & have already left for Norway by the "scenic route", i.e., by New Zealand. Goodbye to you all, I'll miss all the friendly faces in Alderman Hall. Sigurd M. Assev

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PUBLICATIONS:

A.H. Markhart. 1986. Chilling Injury: A Review of Possible Causes. HortScience, 21(6):1329-1333.

W.E. Healy & H.F. Wilkins. 1986. Influence of Light Treatments Before & After Induction Treatment on Flowering of Alstroemeria 'Regina'. HortScience 21(6):1390-1392.

L. Waters, Jr. 1986. A Vegetable Tour/Course. HortScience 21(6):1446-1447.

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WELL FOLKS! Plans are afoot for the 3rd Annual Valentine's Skit party. The Hort Club has promised another skit (we hope Deb comes anyway) & there are rumors of a couple more. We plan to start the festivities around 3 p.m. on Friday the 13th. If you want to put in your reservation for a skit contact: Mary Stuart, Kathy Lloyd, Kirk Pomper or Andy Koll.

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!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol. 5 - #47 -- January 23, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - JAN 26-30

- MON - Exam Question - 8 a.m. to 4 p.m., 394 AlderH. Pick up your questions from Laura Kalisch in 305 AlderH
- Plant Breeding Seminar - "Identifying Heterotic Blocks" - presented by Teresa Gruber, 4 p.m., 306 Borlaug Hall
- Monday Night Discussion - "The Inheritance of Flowering Earliness & Uniformity in the Garden Chrysanthemum (Chrysanthemum morifolium Ramat.)" - Presented by Timothy Teynor - After-session at Stadelmann's, 1800 W Larpenteur Avenue, Apt. 6
- TUE - Department Coffee Break - 9:30a.m., 394 AlderH - No treats this week, no one signed up!!
- WED - Departmental Seminar - "Evolutionary Importance of Polyploidy & Hybridization" - presented by Dr. G. Ledyard Stebbins, Emeritus Professor, Department of Genetics, University of California at Davis - 4 p.m., 415 AlderH
- THUR - Plant Physiology Seminar - "Purification & Characterization of Glutamate Synthase from Alfalfa Root Nodules" - presented by Michael Anderson, Department of Agronomy & Plant Genetics - 3 p.m., 335 Borlaug Hall
- FRI - Plant Hardiness Discussion - Gordon Conference Report on "Temperature Stresses in Plants" by Paul Li, John Carter & Bud Markhart, 12 noon, 398 AlderH
- Floriculture Seminar - "Premature Flower Induction & Initiation of Short Day Plants Under Long Day Conditions" - Presented by Mike Evans, 3 p.m., 398 AlderH

Survive Minnesota -- the rest of the world is easy!

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THE APPLE GROWERS Convention at LaCrosse January 15 featured Dave Bedford speaking on the Minnesota Apple Breeding Program. An excellent presentation Dave -- save your slides & notes for a future departmental seminar!!

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SCHOLARSHIP TAX ALERT - If you are receiving a scholarship, fellowship, or other grant aid, the 1986 Tax Reform Act could affect your taxes. There is a brief descriptive flyer posted by the grad p.o. boxes for further info. For more detailed info you can contact the IRS at 1-800-424-1040.

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Minnesota: Have you jump started your kid today?

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FROM ALL MY (MENED) HEART many thanks for all who sent me get well wishes, made visits, phone calls & expressed their concern. I am on my way to recovery & I'm looking forward to seeing you soon. Please do not forget the Monday night after-session at our house. Ed Stadelmann

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SINGLE QUARTER LEAVES - There were 10 approved leaves from the College of Agriculture & 2 were from this department. Dr. Sauer has sent these applications on to Central Administration. Paul Li's application was titled: Improving Crop Freezing Resistance with Mefluidide & Merv Eisel's was: Alternative Crops for Minnesota Agriculture - Dried Flowers, Dried Materials & Woody Plants for the Florist Trade. We will be notified of their approval after the February Board of Regents meeting.

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THE UNIVERSITY has the opportunity to participate in a special discount for an IBM PC/XT, which will include: IBM PC/XT - 512KB, 360 KB Drive, 10 MB Hard Drive Asynchronous Adapter, Monochrome Display & Printer Adapter, Monochrome Display DOS 3.2 - \$1,440. If you are interested, Laura Kalisch has a form that you must fill out & return to Williamson Bookstore by February 10.

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Minnesota: Closed for glacier repairs!

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MISSING: Large map of China. If you have seen Dave Davis's map please return it to him. Thanks.

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WANTED: House sitter in Minneapolis (Lyndale & 25th). Free place to live for several months. Non-smokers only. See Kathryn Louis (452) for details.

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In Minnesota, ducks don't fly south, people do.

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PLANS ARE MOVING ahead for the Valentine skit party. I'm hoping that those of you who aren't brave enough to perform are giving serious thought to the tasty edibles you are going to bring. If you have an anonymous Valentine you want someone to receive, just let me know. I promise to present it & not tell who gave it to me. Get your reservations in for your skits soon. Remember Friday the 13th at 3 p.m. Mary Stuart

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NOT QUITE AWSOME...The Hort Spikers succumbed to the Taiwan flu in Wednesday's volleyball match (they told me to say that -- at least some of us were sick about our performance when we finished). Although we were improved from last week & did have some outstanding volleys, our opponents were even more improved. It's good we did not become waiters, judging by our serving, but just wait until next week. We are really warmed up now. Match starts next Wednesday at 6:215 p.m., on the north court at the St. Paul gym.

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Minnesota -- where visitors turn blue with envy.

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OFFICE EQUIPMENT RENTAL will be holding a used rental typewriter sale on Monday & Tuesday in 320 Coffman Memorial Union. They will be selling IBM Correcting Selectric II's to departments as well as to the public. On Monday, the typewriters will be sold to University departments only; sale hours will be 11 p.m. to 4 p.m. Tuesday hours are 10 p.m. to 3 p.m. & will be open to the public. If you'd like more info call 4-9836.

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Minnesota - Land of many cultures - mostly throat.

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THE USDA HANDBOOK - "The Commercial Storage of Fruits, Vegetables, & Florist & Nursery Stocks" has been revised & is now available. There are a few copies in Books Underground, & they will order more if requested. I would be willing to go take any orders. Cost \$6. Shirley Munson

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DEAR HORT FRIENDS: I am helping to raise funds for Save the Children, Minnesota Food Shelves & the International Alliance for Sustainable Agriculture by participating in a program called Ski to End Hunger. Money from distance pledges in regional cross-country ski races will make valuable contributions to hunger relief & community development in 45 countries. Information & a pledge sheet are on the wall next the the grad p.o. boxes. Thanks -- Jeremy Treadwell

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ENVIRONMENTAL PHYSIOLOGY JOURNAL CLUB: Will meet Tuesday at noon in 108 Student Center. Paper for discussion is on the 2nd floor lab bulletin board. All welcome. For more info see Bud Markhart.

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Minnesota -- come fall in love with a loon

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Bye Ruth -- Enjoy your new job!

!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol. 5 - #48 -- January 30, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalsch

THIS WEEK - FEB 2-6

- MON - Plant Breeding Seminar - "Techniques to Measure Genetic Diversity" - Presented by Daniel Brotslaw, 4 p.m., 306 Borlaug Hall
- Monday Night Discussion - Precocious Flower Initiation in Euphorbia pulcherrima - Presented by Mike Evans - After-session at Harold Wilkins's, 2161 Doswell Avenue, St. Paul
- TUE - Department Coffee Break - 9:30 a.m., 394 AlderH - Treats this week provided by Maki & Munson
- Plant Genetics Discussion Group - "Self-lighting Tobacco - The Luciferase Story" - Presented by Barbara Liedl, 10 a.m., 398 AlderH
- WED - Departmental Seminar - "The Branch Station Horticulturist" - Presented by Vince Fritz, 4 p.m., 415 AlderH
- THUR - Plant Physiology Seminar - "Behavior of Plant Microtubules & Their Initiation Sites" - presented by Susan Wick, Botany Department - 3 p.m., 335 Borlaug Hall
- FRI - Plant Hardiness Discussion - "Turf Cold Hardiness" - presented by Karl Ruser, 12 noon, 398 AlderH
- Floriculture Seminar, 3 p.m., 398 AlderH

ENVIRONMENTAL PHYSIOLOGY Journal Club will meet Tuesday at noon in 394 Alderman. The paper to be discussed, "A Plant Flavone, Cuteolin, Induces Expression of Rhizobium Melliloti Nodulation Genes" is posted on the 2nd floor lab bulletin board. All are welcome.

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THE ST. PAUL PARKS & Recreation Division is recruiting volunteers to assist with the 3rd annual elm woodpile survey throughout St. Paul. Several survey aides & a few survey organizers are needed to locate & inspect elm woodpiles for

diseased wood. The purpose of this woodpile survey is to search out bark-intact elm wood. If you are interested see the green flyers posted in the lobby.

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DR. DAVID NORTHINGTON, director of the National Wildflower Research Center, will be giving 2 presentations on the "Conservation & Use of Wildflowers & Other Native Plants" on February 24. The first will be given at a noon luncheon at the arboretum. The cost for the luncheon & program is \$6.50/members & \$8.50/non-members. Reservations are required by 2/17. The 2nd presentation will be at 7:30 p.m. at the University Club, 420 Summit Avenue. Cost is \$5/person. Reservations are requested & can be made by calling 4-7752.

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POSTDOCTORAL OPPORTUNITIES IN FRANCE - There are several opportunities for postdoctoral experiences in France posted on the bulletin board in the back hall. Also posted on the board is a brochure announcing opportunities for sabbatical leaves at Egerton University College in Kenya.

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FARM FAMILY Recognition Program hosts are still needed. If you are willing to host a family in your home please contact John Goodding (5-8799) no later than FEBRUARY 15.

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PROJECT SUNRISE FACULTY DEVELOPMENT SEMINAR for this week is "The Teacher's Role in Cooperative Groups: How to Start, When to Intervene, How to Help Groups Along, How to Prepare, What to Expect" - presented by Roger Johnson & Britt Vasquez. Seminar time is 1-3 p.m., 306 Borlaug Hall.

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COMING ATTRACTION: This year's Kermit A. Olson Memorial Lecture will be "The History of Botanical Printing", presented by Elmer L. Andersen. The lecture will be held February 11 at 7 p.m., in 135 Earle Brown Center.

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!! OVER - OVER - OVER !!

VALENTINE SKIT PARTY - I have heard rumors of 2 more skits for the party. I'm sworn to secrecy about the contents of one of them. Don't worry, there is plenty of room on the agenda for more! This season's social event will be held in the headhouse classroom. Since there is no party fund to help defray the cost of supplies, donations (50¢/person) are requested. The organizers thought about charging admission & decided on \$10 for front row & \$5 for back row seats, with any profit going to said organizers. However, the paper work got to be too much & we'll just ask for contributions. Don't forget -- Friday the 13th at 3 p.m.

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!! HAPPY CHINESE NEW YEAR !!

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NO WIN, BUT IMPROVING -- The Hort Spikers volleyball team suffered tremendously from Murphy's Law in Wednesday's loss. It all started when the team warmed up for a 6:15 p.m. match, only to learn we really didn't play until 7 p.m. (actually started at 7:15 p.m.) & then lost one woman at 7:30. Four players have more trouble covering the court as our quick loss in the 2nd game demonstrated. Everyone gave 100% effort, including our latest additions, Mara Crombie, Bud Markhart, & Wei Fang. Unfortunately, the referee blew the whistle on us all too frequently when she disliked the way we used our hands (how else are we supposed to propel the ball over the net?). The next game is definitely Wednesday at 6:15 p.m. on the north court of the St. Paul gym.

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!! Have A Good Week !!



STRATTON

"Of course they all look alike — they're snow clones!"

TWIG-BENDER

Vol. 5 - #49 -- February 6, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - FEB 9-13

- MON - Plant Breeding Seminar - "Selection for Cold Tolerance" - Presented by Elizabeth Lamb, 4 p.m., 306 Borlaug Hall
- Monday Night Discussion - Prelim Potluck - 6:30 p.m., Luby/Hoover home, 1416 N Pascal St., St. Paul
- TUE - Department Coffee Break - 9:30 a.m., 394 AlderH - Treats this week provided by Rose & Rhoda
- Plant Genetics Discussion Group - Jill in the Jack Pines -- Molecular Population Genetics of Introgression Between Lumber & Jack Pines in Alberta - Presented by James J. Luby, 10 a.m., 398 AlderH
- Plant Physiology Seminar - Molecular Investigations of Photoperiodic Flower Induction" - presented by Michael Reid, Department of Environmental Horticulture, University of California, Davis - 3 p.m., 335 Borlaug Hall
- WED - Departmental Seminar - Kermit Olson Memorial Lecture

Our deepest sympathy is extended to Harold Pellett & his family. Dr. Pellett's father passed away earlier this week.

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THE KERMIT OLSON MEMORIAL LECTURE will be presented by Mr. Elmer L. Anderson, former Governor of the State of Minnesota. Governor Anderson's lecture is entitled: "The History of Horticultural Printing", and will be presented at 7 p.m. in 135 Earle Brown Center. The undergraduate awards ceremony will also be a part of the evening as well as a reception following the lecture & awards.

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ANYONE INTERESTED in going to the arb in a department van on February the 24th to meet Dr. David Northington, Director of the National Wildflower Research Center in Austin, Texas, should sign-up with Kathy Lloyd in the office. Reservations must be in no later than February 17.

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I HAVE 1 liter of Hexanoic Acid - 99% that has never been opened. If anyone wants this please see me. Nancy Hinrichs

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THE GRAD STUDENT Card Fund is now official. A total of \$45 was collected from grad student contributions. A variety of cards - congratulatory, graduation, birth of babies, wedding, get well, sympathy, & general -- have been purchased. Please let Muggs Stahler know of events in students' lives so that individuals can receive group recognition & empathy. The current grad student president will personalize each card on our behalf. For any students who would like to contribute, envelopes will be available by the student p.o. boxes. A donation of \$1 is requested.

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THE ICL project wants its equipment returned promptly to 277 AlderH. We are missing both blue carts, long forceps & scalpel handles. The continued cooperative use of this tissue culture facility depends on the equipment being available in the lab at all times. We are not funded to provide tissue culture supplies for the entire department.

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ENVIROMENTAL PHYSIOLOGY Journal Club will meet on Tuesday in the Student Center. Paper to be discussed is: Kee, Martin, Ort. 1986. The effects of chilling in the dark & in the light on Ps of tomato: electron transport reactions. Photosyn Res 8:41-52. Discussion led by Bud Markhart.

§ § § § §

AWesome -- At Last! The Hort Spikers stuck together more cohesively than super glue, hanging on to win 15-11, 13-15, 15-12 in Wednesday's volleyball match. Everyone provided riveting performances, including superb service from Mara Crombie & Bud Markhart; smashing pikes from Brian Corr & Bud; & stunning saves by all of the above plus Mike Evans, Wei Fang, Julie O'Leary, Bridget Ruemmele & Marcy Taylor. The last regular season match is next Wednesday, 1-27, at 7 p.m., on the north court of the St. Paul gym.

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!! OVER - OVER - OVER !!

NEEDED TO RENT: Garage space large enough for 2 cars & some boxes from the end of April to December 1987. Please let Ed Stadelmann (4-3269) know if you can help. Thanks.

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COFFEE ROOM EDIQUETT mandates that nothing be removed unless you brought it. This past week several cans of pop have been removed from the little refrigerator & the folks who brought it went thirsty, through no fault of their own. Also several other items have found their way out the door, including the popcorn salt shaker!! Please remember your colleagues & don't take things that don't belong to you. Missing items will be welcomed back -- no questions asked.

§ § § § §

NEXT FRIDAY is the big day for our Valentine Skit party. It is possible that one of our performances will be a spectacular musical number. Would those who plan to do skits please notify me by Thursday so I can plan the agenda? I hope that the audience brings lots of delicious Valentine treats to share. We'll see you at the greenhouse classroom, 3 p.m., Friday, February 13. Mary Stuart

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A GENERAL GRADUATE student meeting has been scheduled for Thursday, February 12 at 9 a.m., in 394 AlderH. All grad students are encouraged to attend.

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PLANT HARDINESS DISCUSSION, Friday, Feb. 13, noon. Title: Root-Shoot Communication during environmental stress. Speaker: Sonja Maki.

THE FRUIT DISCUSSION Group will meet on Monday, February 9 at 3 p.m. in 398 AlderH. Sonja Maki will be discussing what she learned about gibberellin analysis during a recent trip to Dr. Richard Pharis' lab in Calgary Canada. All are welcome.

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NEEDED - People to judge French Fries on Tuesdays & Thursdays sometime between 1:30 & 3 p.m. starting February 10. We will do about 8 panels. If you are interested, please sign up in lab 369 AlderH.

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FINAL THESIS DEFENSE seminar will be presented on February 12 at 2 p.m., in 415 AlderH entitled "Factors Affecting Response of Solaum tuberosum Group Andigena to a Domestication Selection Scheme". Brian R. Smith

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!! Have A Good Week !!

TWIG-BENDER

Vol 5. - #50 -- February 13, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - FEB 16-20

- MON - Exam Question - 8 a.m. to 4 p.m., pick up your question from Laura Kalisch in 305 AlderH
- Plant Breeding Seminar - "Molecular Markers for Selection on Quantitative Traits" - presented by Mark Farnham, 4 p.m., 306 Borlaug Hall
- Monday Night Discussion - "Photosynthetic Responses to Heat Stress in Phaseolus vulgaris L." - presented by Nawarat Chaisompongpan, 7 p.m., Fireplace Room, McNeal Hall. After-session at John Carter's home, 2713 Dudley
- TUE - Departmental Coffee Break - This week's treats provided by A. Fennell & B. Markhart, 9:30 a.m., 394 AlderH
- Graduate Studies Committee - 9 a.m., 152 AlderH, NOTE ROOM CHANGE
- Plant Genetics Discussion Group - "Red, White, & Blue Genes -- Genome Organization in Plants" - presented by Marcy Taylor, 10 a.m., 398 AlderH
- Consultative Committee Meeting - 3 p.m., 398 AlderH
- WED - Departmental Seminar - "Current & Future Status of Extension" - presented by Patrick Borich, Dean & Director of the Minnesota Extension Service, 4 p.m., 415 AlderH
- THUR - Plant Physiology Seminar - "The Role of Gibberellins in the Regulation of Reproductive Development in Field Pennycross" - presented by James Metzger, USDA-ARS, Metabolism & Radiation Research Lab, Fargo, ND, 3 p.m., 335 Borlaug
- FRI - Plant Hardiness Discussion Group - 1. Continuation of "Root-Shoot Communication" - by Sonja Maki; 2. Freezing Damage of Grape Plants in Minnesota" by Jim Luby, 12 noon, 398 AlderH
- Floriculture Seminar - "Plant Growth Modeling - Poinsettia" - by Carol Zakkour, 3 p.m., 398 AlderH

Our sympathy is extended to Mrs. Richard Widmer & her family for the loss of her mother. Mrs. Widmer's mother passed away last week.

§ § § § §

ENVIRONMENTAL PHYSIOLOGY Journal Club will meet on Tuesday in the Student Center. Paper to be discussed: Kee, Martin, Ort. 1986. The effects of chilling in the dark & in the light on Ps of tomato: Electron transport reactions. Photosyn Res 8:41-52. Discussion led by Bud Markhart.

§ § § § §

RESEARCH APPRENTICESHIP for High School Students -- CSRS/USDA is again sponsoring a Research Apprenticeship Program for high school juniors & seniors in 1987. The main objective of this program is to stimulate interest among the minority communities in science related careers. It is hoped that participating apprentices will establish a close working relationship with active researchers who would then serve as mentors to assist the young person with encouragement & advice on careers & college. More detailed info & application forms available from Laura Kalisch.

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PUBLICATIONS:

Dali Tao & Paul H. Li. 1986. Classification of Plant Cell Cryoprotectants. J. Theor. Biol. 123:305-310.

V.A. Fritz & S. Honma. 1987. The Effect of Raised Beds, Population Densities, & Planting Date on the Incidence of Bacterial Soft Rot in Chinese Cabbage. J. Amer. Soc. Hort. Sci. 112(1):41-44.

Mark A. Bennett & Luther Waters, Jr. 1987. Seed Hydration Treatments for Improved Sweet Corn Germination & Stand Establishment. J. Amer. Soc. Hort. Sci. 112(1):45-49.

J.J. Luby & C.E. Finn. 1987. Inheritance of Ripening Uniformity & Relationship to Crop Load in Blueberry Progenies. J. Amer. Soc. Hort. Sci. 112(1):167-170.

Albert H. Markhart III. 1986. Chilling Injury: A Review of Possible Causes. HortScience 21(6):1329-1333.

Luther Waters, Jr. 1986. A Vegetable Tour/Course. HortScience 21(6):1446-1447.

§ § § § §

!! OVER - OVER - OVER !!

LAST PROJECT SUNRISE seminar is scheduled for Tuesday, the 17th, at 1 p.m., in 306 Borlaug Hall. Presenter is Howard Williams, UM Curriculum & Instruction - "Teaching to Various Learning Styles"; topics include: Adult learning research, more learning style measures, modifying your teaching style for different learning styles.

§ § § § §

FEBRUARY IS National Reading Month & National Heart Month -- especially on the 14th!!

§ § § § §

Knowledge comes from taking apart

Wisdom comes from putting together

§ § § § §

RETURN MY TAPE DISPENSER -- It has MY name on it. Kathy Lloyd

§ § § § §

THE COLLEGE OF AGRICULTURE will offer non-credit computer skills workshops in word processing, spreadsheet applications & data base applications during spring quarter 1987. Each workshop consists of 12 hours of instruction: 2 hours of computer literacy skills & 10 hours of instruction in the application program. For more info contact Carol Picard in the college office.

§ § § § §

DID YOU KNOW that if you take a typed 8½" x 11" page to Shelley Christianson in room 6 Morrill Hall, for the price/cost of a phone call, they can send copies to any place in the world? "It" is called FAX. We have only one machine at the U & it is a Group 2 type. The FAX # is 612-624-6369 (just like phone number). Our Telex # is 510-6013-001 (INTER AG). I sent a 5 page (typed) message to Israel for \$3.85 last week. Amazing!!! HFW

§ § § § §

EXEMPT W-4s - Please note that any employee claiming exemption from tax withholding on their W-4 form must file a new 1987 W-4 with our office by February 15, 1987. If a new W-4 claiming exemption for 1987 is not received by February 15, we will begin withholding taxes on the next pay check. Any employee that has filed an exempt W-4 since January 1 of this year may disregard this reminder. Gail Terrien, Assistant Payroll Services Manager

§ § § § §

ADVISORS -- please nominate candidates for initiation into Pi Alpha Xi. Criteria: GPA greater than B; Jr., Sr. or Grad status; ornamental horticulture emphasis. Thanks -- B. Corr

§ § § § §

CONGRATULATIONS to Dr. Brian R. Smith, the newest PhD in the Department of Horticultural Science & Landscape Architecture. Dr. Smith completed degree requirements Thursday, February 12. He will assume his professional responsibilities on February 23 as Assistant Professor, Commercial Extension Specialist, in the Department of Horticulture at South Dakota State University.

§ § § § §

NOW AVAILABLE: Apples for Minnesota -- recently revised (1987) fact sheet by Emily Hoover & Shirely Munson.

§ § § § §

CALL FOR PROPOSALS for Phase III of Project MinneMac, the 3-year, 1-million dollar Macintosh equipment grant from Apple, Inc. to the U of M. Proposals are being accepted for Phase III until 5 p.m., April 30 & awards will be announced by May 30, 1987. For more info see the Call for Proposals on the bulletin board in the back hallway.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #51 -- February 20, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - FEB 23-27

- MON - Plant Breeding Seminar - "Selection for Grain Fill Duration in Soybean" - presented by Terry Berke, 4 p.m., 306 Borlaug Hall
- Monday Night Discussion - "Waste Composts as Composts of Greenhouse Media" - presented by Julie O'Leary, 7 p.m., Fireplace Room, McNeal Hall. After-session at John Dole's, 1720 Larpenteur - #3A
- TUE - Department Coffee Break, 9:30 a.m., 394 AlderH. This week's treats courtesy of Martha Piechowski & Elizabeth Lamb
- Plant Genetics Discussion Group - "Organoleptic Genes - Genetics of Flavor Components in Food Crops" - Marty Stahler & Betsy Lamb, 10 a.m., 398 AlderH
- WED - Departmental Seminar - "Center for Alternative Crops & Products: A New Initiative for the College of Agriculture" - presented by Luther Waters, 4 p.m., 415 AlderH
- Agronomy Seminar - "Successful Sustainable Agriculture" - Dick Thompson, Iowa farmer & frequent contributor to New Farm magazine, 4 p.m., 335 Borlaug Hall
- THUR - Plant Physiology Seminar - "Genetics & Regulation of Nitrate Reductase in Barley" - presented by Andris Kleinhofs, Program in Genetics & Cell Biology & Department of Agronomy & Soils, Washington State University, 3 p.m., 335 Borlaug Hall
- FRI - Plant Hardiness Discussion - "Bean Heat Adaptability Related to Performance" - by Z.Y. Shen, 12 noon, 398 AlderH
- Floriculture Seminar - "Research Plans for Norway" - presented by Harold Wilkins, 3 p.m., 398 AlderH

We have just been informed that Max Sargent, owner of Sargent's Nursery, Inc., died February 17th of cancer. A memorial service will be held at First Methodist Church in Red Wing on Saturday, February 21, at 2 p.m.

§ § § § §

CONGRATULATIONS to Drs. Robert Mullin & Richard Widmer who were both recently selected to receive Faculty Appreciation Awards by the University Student Alumni Association!

§ § § § §

PROJECT ASSIST - An increasing number of faculty are developing computer-based instructional materials & many are not aware that Project ASSIST was launched to assist them in the process. For more info see the flyer on the bulletin board in the back hall-way.

§ § § § §

ACTES de L'INSTITUT Agronomique et Veterinaire Hassan II is a journal that has been established as a vehicle for publication of scientific articles. The journal is open to all scientists who might want to use it as an outlet for their scholarly publications. The editors would be happy to receive articles from persons at the University of Minnesota. For further info see Laura Kalisch.

§ § § § §

THE GRADUATE SCHOOL has announced the continuation of its Tuition Scholarship program for 1987-88. These single-quarter, partial or full tuition waivers are one of a number of financial resources available through the Graduate School to help students offset the cost of graduate education. To be eligible applicants must 1) have completed 3 quarters in residence at the University of Minnesota Graduate School, & 2) be U.S. citizens or permanent residents. For application deadlines see the green flyer on the grad bulletin board in the back hallway.

§ § § § §

HORT CLUB NEWS: The Hort Club held elections Wednesday night. New officers begin their year spring quarter. President: Fred Rozumalski; Vice President: Jill Rispalje; Treasurer: Jim Beaver; Secretary: Amy Burtiz; Greenhouse Chairs: Patty Doyle & Andy Kroll; Social Chair: Julie Kruse; Advisor: Deb Brown

§ § § § §

!! OVER - OVER - OVER !!

OK-YOUNG LEE-STADELMANN received a grant of DM 1200 from the 14th International Botanical Congress for her presentation as symposium speaker on "Micro-thin Cross Section Culture for Studying Bud Morphogenesis".

§ § § § §

DOES ANYONE have snorkeling gear which I can borrow for 1 week in spring? I need a face mask, snorkel & flippers. Muggs Stahler

§ § § § §

AG & APPLIED ECONOMICS has arranged participation in a national televideo conference entitled "Mid-Course Corrections in Agricultural Policy" on February 25. The program schedule is available from Laura Kalisch. There will be TV downlinks to various locations in Minnesota; the on-campus location is 52 Earle Brown Center.

§ § § § §

GREENHOUSE PARKING - Starting TODAY persons parking in or around the greenhouses will be ticketed by the UofM parking services.

§ § § § §

K.A. OLSON LECTURE - Mr. Andersen sent Shirley Munson a copy of the lecture he presented. If you are interested in making a copy for your file, stop by Shirley's office.

§ § § § §

ELS WRITING PROBLEMS? In response to a need among foreign grad students (for whom English is a second language) for advanced-level writing instruction, the Composition program is offering an ESL section of Comp 3085 spring quarter 1987. This is a conference course (1-4 credits) in which students meet with the instructor on an individual basis to work on writing skills. For further info see the flyer on the grad student bulletin board or contact Robin Murie at 4-4524, MWF, 9:15-11 a.m.

§ § § § §

PUBLICATION:

Xiao-Jun Zhao, Edward Sucoff & Eduard J. Stadelmann. $A1^{3+}$ & Ca^{2+} Alterations of Membrane Permeability of Quercus rubra Root Cortex Cells. Plant Physiol 83:159-162.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #52 -- February 27, 1987
305 Alderman Hall, St. Paul Campus

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - MARCH 2-6

- MON - Plant Breeding Seminar - "Optimal Environments for Yield Testing" - presented by Martin McGregor, 4 p.m., 306 Borlaug Hall
- Monday Night Discussion - Prelim Potluck - 6:30 p.m., Home of J.F. Bartz, 1975 Autumn Street
- TUE - Graduate Studies Committee - 9 a.m., 152 AlderH
- Departmental Coffee Break - 9:30 a.m., 394 AlderH. This week's treats provided by B. Zimmermann & J. Bartz
- Plant Genetics Discussion Group - "Square Peg in a Round Hole -- A Review of Genetic Architecture" - presented by Neil Anderson, 10 a.m., 394
- Consultative Committee - 3:00 p.m., 398 AlderH
- WED - Departmental Seminar - "Screening Vitis Seedlings for Acclimation Response to Short Photoperiod" - presented by Joan Conrod, 4 p.m., 415 AlderH
- THUR - Plant Physiology Seminar - "Enzymology of the Shikimic Acid Pathway" - presented by Jim Connelly, Agronomy & Plant Genetics, 3 p.m., 335 Borlaug Hall
- FRI - Plant Hardiness Discussion - "ABA Increase in Relation to Cold Acclimation" - presented by Stephen B. Ryu, 12 noon, 398 AlderH
- Floriculture Seminar - "Isolation & Analysis of Double-Strand RNA from Poinsettia Leaves -- A New Technique" - presented by John Dole, 3 p.m., 398 AlderH

FACULTY -- If you haven't had your picture taken by Kathy Lloyd yet please do so no later than March 20. I would like to have the photo gallery up-to-date by April 1. Thanks -- Laura

§ § § § §

GREENING OUR DOWNTOWN - Problems & Prospects -- The Minneapolis Committee on Urban Environment (CUE) is a group of volunteer architects, landscape architects & citizens from nondesign backgrounds who advise the City of Minneapolis on issues affecting the built & natural environment. The greening of downtown is a major focus of CUE for 1987. They hope that this conference provides the inspiration for the future development of urban greenspaces. The keynote speaker will be Dean Abbott, a former instructor in the landscape architecture program. Lance Neckar will be a participant in the panel discussion. The program will take place on Thursday, March 5, beginning with registration (\$15) at 8 a.m. at the Westminster Presbyterian Church, Nicollet Mall at 12th Street.

§ § § § §

SUMMER INTERNSHIP information has been received from Applewood the C.S. Mott Estate in Flint, Michigan, & Old Westbury Gardens in Long Island, New York. For more info check the lobby bulletin board &/or Evonne Kuyper.

§ § § § §

ENVIRONMENTAL PHYSIOLOGY Journal Club will meet on Tuesday in the Student Center. We will discuss a paper by Havaure & Lannoye on the effects of dehydration on the photochemical function of thylakoids in bean leaves. The use of chlorophyll fluorescence transients as a probe for the light reactions of the chloroplast will be reviewed & discussed.

§ § § § §

DOES SOMEONE have the large enamel flowered popcorn bowl hiding in their office, lab, desk?? Please return to the main office or Shirley Munson. Also, the punch bowl used at the Valentine party on March 13 is still missing. Please return!

§ § § § §

ALSO MISSING - 2 boxes of 5¼" diskettes. They were delivered by General Storehouse for DIAL U approximately 2/19 or 2/20. Did you pick them up by mistake thinking they were yours? Please return to Cindy in 145 AlderH. Thanks.

§ § § § §

!! OVER - OVER - OVER !!

RECOGNITION, prestige & tons of work!! Bud Markhart has been appointed to the University Wide Task Force on Planning. The mission of this committee is to review the planning documents (SSF) for every department at the University. This honor will take up most of Bud's spring quarter, so when scheduling meetings, exams, etc. that you would like Bud to attend, be aware that he probably won't. One interesting note -- Bud is the only Associate Professor on the committee. Congratulations.

§ § § § §

QUARTER LEAVES GRANTED!! The Single Quarter Leave applications from Paul Li & Merv Eisel have been approved by the Regents. Paul's leave will be for summer quarter 1987 & Merv's for fall quarter 1987.

§ § § § §

PESTICIDES & GROUNDWATER: A Health Concern for the Midwest. Notification has been received announcing the proceedings of this conference which was held October 16-17, 1986 are available. To order the proceedings, see the flyer on the bulletin board in the back hallway.

§ § § § §

PUBLICATIONS:

R.J. Jones, S.M. Griffith & M.L. Brenner. Chapter 17. Sink Regulation of Source Activity by Hormonal Control. IN: Regulation of Carbon & Nitrogen Reduction & Utilization in Maize. J.C. Shannon, D.P. Knievel & C.D. Boyer, Eds. Copyright 1986, American Society of Plant Physiologists

S.M. Griffith, R.J. Jones & M.L. Brenner. Chapter 38. Characteristics of In vitro Sugar Transport by Developing Maize Kernels. IN: Phloem Transport, pp. 283-284., 1986. Alan R. Liss, Inc.

S.M. Griffith, R.J. Jones & M.L. Brenner. Poster 13. Sugar Absorption & Metabolism by Immature Maize Endosperm & Embryo: A Working Model. Regulation of Carbon & Nitrogen Reduction & Utilization in Maize, J.C. Shannon, D.P. Knievel & C.D. Boyer Eds. Copyright 1986, the American Society of Plant Physiologists

§ § § § §

IF ANYONE KNOWS where the orange digital scale that usually resides in the plant breeding lab (335) is, please contact Rhoda Burrows.

§ § § § §

HOT NEWS FLASH -- Ben Bergman is the latest Master of Science from this department! Ben just passed his final exam this morning. Congratulations

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #53 -- March 6, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - MARCH 9-13

- MON - Plant Breeding Seminar - "Plant Breeding for Multiple Cropping Systems" - presented by Baffour Asafa-Adjei, 4 p.m., 306 Borlaug Hall
- Monday Night Discussion - CANCELLED
- TUE - Staff Meeting - 8:30 a.m., 394 AlderH
- 1987 Lawn Care, Athletic Fields & Parks Short Courses & Horticultural Pesticide Applicator Training, Earle Brown Center, 8 a.m., registration
 - Plant Genetics Discussion Group - "Hen's Teeth & Fly Specks -- Atavism in Plants & Animals" - presented by Bridget Ruemmele, 10 a.m., 398 AlderH
 - Departmental Coffee Break - 2:30 p.m., 394 AlderH. This week's treats courtesy of A. Body & S. Else
- WED - Departmental Seminar - CANCELLED
- THUR - Plant Physiology Seminar - "The Physiology of Movement of Twining Plants" - presented by Bernard Millet, Laboratoire de Botanique, Universite de Franche-Comte, Besancon, France
- FRI - Plant Hardiness Discussion - 12 noon, 398 AlderH
- Floriculture Seminar - Greenhouse Tour (last day of instruction)

Our sympathy is extended to Joan Darrell & her family for the death of Joan's father. Mr. Boschert died on Tuesday evening.

§ § § § §

LAST DAY OF WINTER quarter classes is March 13. Finals begin March 16. Please get your final exams to Evonne for typing ASAP.

§ § § § §



LIFESAVER WARNING - There have been 2 occurrences in which cooler/freezer doors have not been possible to open from inside. This is serious, not only for you but also the University. Suggestions for safety committee: 1) these kinds of rooms should be on a regular door latch maintenance check; 2) keep a brick in floor corner of each so that glass can be broken; 3) put a warning sign on outside of each; 4) never close door behind you when entering.

§ § § § §

CO-REC SOFTBALL - It's almost that time again! Much of last year's team has graduated or moved away & new blood is needed. Anyone interested in playing softball spring quarter should sign up on the sheets posted near the grad p.o. boxes & in the undergrad lounge. We would like to get a head count & make sure we have enough interest before signing up a team. Spouses & significant others welcome.

§ § § § §

CHAD'S CHATTER - Garden Plots: It will not be determined until March 27th whether garden plots will be available. So that we can mark off gardens as soon after that is done, if it is done, I want to get the ball rolling. This year, Dr. Bartz, Neil Anderson & I will be supervising the gardens. Some gardens were too out of control last year. To prevent this we will be stricter on upkeep. An interest sign up list is on the grad bulletin board & I will send more info out to those who indicate interest. Also, I'll let you know as soon as we know whether or not we will have plots. Thanks - Chad

§ § § § §

EVER WONDER if you were a rat, snake or monkey? Come by the door of room 358 to find out your Chinese zodiac sign. So far, no dragons have been seen!

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #54 -- March 13, 1987
305 AldermanHall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - MARCH 16-20

- MON - Finals Week -- Enjoy!!
- TUE - Department Coffee Break - 9:30 a.m., 394 AlderH. Treats this week provided by K. Lloyd & B. Corr
- Environmental Journal Club, 12 noon, 398 AlderH. Paper for discussion: Genty et al. 1987. Effect of drought on primary photosynthetic processes of cotton leaves. Plant Physiol. 83:360-364. Bud Markhart will lead the discussion - all are welcome
 - Consultative Committee meeting - 3:00 p.m., 398 AlderH
- FRI - Graduate Faculty Meeting - 8:30 a.m., 394 AlderH

FACULTY & CIVIL SERVICE PERSONNEL - Due to the unusually high number memorials sent this past year, the Hort Benefit Fund is in need of contributions. Contributions will be accepted by Laura Kalisch. Thanks

§ § § § §

ON FRIDAY, March 20 at 3:30 in 394 AlderH, Dr. Bob Wample will be giving a seminar dealing with cold hardiness of Vitis vinifera. Dr. Wample is from Washington State University & has recently moved from Pullman to the Prosser station. He is also giving 2 talks at the Minnesota Grape Grower Spring Symposium on Saturday, March 21. For a complete schedule of the symposium contact Emily Hoover.

§ § § § §

ANYONE INTERESTED in full time work during the spring quarter & possibly into the summer painting houses for good money contact Bud Markhart for info & referral.

§ § § § §

CONGRATULATIONS BEN!! Ben Bergman has been awarded a Fullbright Scholarship for travel, research & support to do research with Pinus radiata for 1 year at the Forestry Research Institute in Rotorua, New Zealand.

§ § § § §

EMPTY BOXES in the back hallway under the magazine shelves are up for grabs. Anyone needing boxes is welcome to take what they want.

§ § § § §

CONGRATULATIONS to Catherine Johnson who passed her final MS exam just yesterday (3/12). Catherine will be leaving for her new job as an associate scientist with Ciba Geigy.

§ § § § §

WELCOME - WELCOME - WELCOME!! If you are wondering who the "new person" in the office is, she is Andrea Wieland. Andrea joined the office staff on Monday as Senior Word Processing Operator. Stop by her desk to say hello!

§ § § § §

ROGER is spring cleaning in the mist houses. He would appreciate it if people would check their plants to see if it's time to remove them. Also, plants that are not clearly identified as to ownership are at risk of being declared orphans & being tossed. Thanks

§ § § § §

FACULTY are reminded to turn in their contributions/plans & schedule their 2 hour meeting with Dr. Bartz.

§ § § § §

CHAD'S CHATTER - If you're interested in a garden plot this summer, don't forget to sign up on the interest-indicator sheet posted on the grad student bulletin board in the back hallway. Thanks - Chad

§ § § § §

!! Have a Good Week !!



TWIG-BENDER

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Vol. 5 - #55 -- March 23, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Land-
scape Arch. Editor: K.L. Lloyd

THIS WEEK - MARCH 23-27

TUE - Department Coffee Break-
9:30 a.m., 394 AlderH. Bring
yourself and a treat to share.

WED - MN Plant Biology Symposium,
335 Borlaug Hall. The
symposium will last three
days (25, 26 & 27).

ON FRIDAY, March 20 at 3:30 in 394
AlderH, Dr. Bob Wample will be giving
a seminar dealing with cold hardiness
of Vitis vinifera. Dr. Wample is from
Washington State University & has
recently moved from Pullman to the
Prosser station. He is also giving 2
talks at the Minnesota Grape Grower
Symposium on Saturday, March 21. For
a complete schedule of the symposium
contact Emily Hoover.

FOUND IN BEIGE VAN a 36-exposure
exposed roll of 200 Kodacolor VRG film
has been rolling around the beige van
for a month (or more?). If it is yours,
please contact Bridget Ruemmele so she
can return it to you.

Steve Berman passed his Master's
degree on March 16. The title of his
thesis is "Solanum Intraspecific Seed
Identification and its Potential
Application to the Study of Hybrid Seed
Abortion". Congratulations!

Girl Scout Cookies. Evonne says you
can pick up your cookies from her, all
you have to do is pay her and then
enjoy them.

Needed: 1 TA for Greenhouse
Management class. A good opportunity
to learn and get experience in a field

basic to much of horticulture and
plant science. Please see R. Widmer,
458 for particulars and to ask any
questions you may have in this regard.

YOU ARE INVITED to a Project
Sunrise Cooperative Learning
Workshop, Friday, March 27 (other
dates April 9 and May 14). Time is
8:30-5:00, 125 Coffey Hall. Learn how
to use cooperative learning techniques
in your class. Get feedback on your
ideas for cooperative groups. Answer
you questions about learning in groups.
Questions? Call Bonnie (624-3235) or
Mary McCauley (624-1231).

NORTH CENTRAL REGION ASHS,
Sixth Annual Meeting. July 7-9, 1987
at South Dakota State University,
Brookings, SD. Deadline for receipt of
Abstracts is May 15. Laura has more
information.

CO-REC SOFTEBALL - There seems to
be plenty of interest in a department
softball team - now we need your
money! In the past Paul Read
sponsored the team and paid the \$55
registration fee. This year we will
have to pay our own way. If all
interested persons chip in \$3 we
should be able to cover all expenses.
Contributions may be given to Bridget
Ruemmele or Julie O'Leary, by March
30 if possible.

Spring Social at 2:30 TODAY in Foyer

Have a wonderful first weekend of
spring!



TWIG-BENDER

Vol. 5 - #56 -- March 27, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - MARCH 30-APRIL 3

- MON - Monday Night Discussion - "Analysis of Changes in Patch Characteristics Over Time In Rural Minnesota as Related to Wildlife Habitat Quality" - presented by Barb Andersen, 7 p.m., Fireplace Room, McNeal Hall. After-session at Joan Nassauer's home, 1022 W County Road D, Roseville
- FRI - Pot Luck Lunch - 12 noon, 423 AlderH

REMINDER to faculty who have not yet scheduled their 2-hour discussion session with Dr. Bartz -- please do so as soon as possible. Thanks

§ § § § §

SPRING CLEANING - Anyone now using space in the greenhouse please note: On Friday (4/3) there will be a greenhouse inspection by Roger. He will be looking for clean floors & debris-free benches. Also, lights not in use should be unplugged with bulbs removed & put away. We are coming into the insect season -- a clean greenhouse helps keep the pests down. Thank you

§ § § § §

CORRECTION: HFW's correct Telex # is: 77125 NLHBI N. Harold is leaving on Sunday for Norway & will return in September. Good luck Harold -- don't forget to write!!

§ § § § §

PUBLICATION:

Anne Fennell & Paul H. Li. 1987. Freezing Tolerance & Rapid Cold Acclimation of Spinach. J. Amer. Soc. Hort. Sci. 112(2):306-309.

§ § § § §

THE CURTIS DEARBORN Memorial Horticultural Scholarship is being offered again to a person studying for an advanced degree in some phase of horticulture. The amount is \$1000 for the school year of 1987-88. There are no restrictions regarding race, creed or sex but the

college attended must be within the United States. Application deadline is June 1, 1987. For more info & application forms contact R.E. Widmer.

§ § § § §

ROOMMATE WANTED: I am looking for a roommate to share a 2 bedroom apartment, available May 1, near St. Paul Campus. For more details contact me in 380 AlderH or leave a note in my p.o. box. Thanks -- Yves Castonguay

§ § § § §

BECAUSE OF OUTSTANDING service & performance as teaching assistant in Hort 1100 Biology of Hort Production, Hort 1022 Herbaceous Plant Materials, & Hort 1021 Woody Plant Materials, Mr. James Calkins has been assigned as instructor for Hort 2021 in Continuing Education & Extension. Congratulations & good luck in your new role!

§ § § § §

DURING THE SUMMER OF 1987 the Graduate School will coordinate a Summer Research Opportunities Program for undergrad minority students. Designed along the lines of several programs around the country, the program was developed by CIC Panel on Increased Access of Minorities to Graduate Study & is being implemented this summer at all the CIC universities (the Big Ten universities plus the University of Chicago). It is anticipated that 6 undergrads from the UofM will be selected to participate in the program. For more info & application forms for students see Deb Brown, chair of the undergrad committee.

§ § § § §

CONGRATULATIONS to Martha Piechowski who has been promoted to Senior Word Processing Operator. The only negative aspect of this promotion is that Martha will be leaving our department to join the Department of Agricultural Education. Martha's last day with us will be Friday, April 3, & we are planning a pot-luck lunch on that day in room 423 AlderH. Martha has been working with us for the past 9 years & will be missed very much. Please join us on Friday the 3rd to wish her well!

!! OVER - OVER - OVER !!

INSURANCE INFORMATION FORMS have been placed in all departmental vehicles. The forms have information on what to do in case of an accident & the info needed to be exchanged in case of an accident. The forms are in the glove compartment, please locate & read. Thanks

§ § § § §

A COPY OF THE 3rd edition of the Crop Protection Chemicals Reference has been received. It will be kept in 398 AlderH & is available for your use.

§ § § § §

HOUSE NEEDED for Winter Quarter 1988. Dr. Robert Thayer will be joining the Landscape Architecture program as Hill Visiting Professor & will be here during Winter Quarter 1988. If you know of any such home close to campus please contact Laura Kalisch.

§ § § § §

EVERYONE IS INVITED to the 4th floor Histology & Tissue Culture Open House on Wednesday, April 1st from 2-4 p.m. Stop by room 435 for refreshments & the opportunity to view our research. Sue Stombaugh, Gina Fernandez, Chad Finn, Jeremy Treadwell, Florian Lauer, Felix Fares, Julie O'Leary, Bridget Ruemmele, Kathryn Louis, Betsy Zimmermann, Judy Kersten, Lingyi Deng, Yang Guochen, Neil Anderson, Charleen Baker, Karl Ruser, Ok-Young Stadelmann, Nancy Hinrichs, Albert Hong, John Dole, Mike Evans, Brian Corr, Ben Bergman, Steve Palmquist, John McPherson, Sherry Westweet, Mr. Guo

§ § § § §

FLAT SHORTAGE: Please return any/all wooden or black plastic flats you may have at home, please return to the greenhouse ASAP. Thanks - Roger

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #57 -- April 3, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - APRIL 6-10

- MON - Monday Night Discussion - "Analysis of Changes in Patch Characteristics Over Time in Rural Minnesota as Related to Wildlife Habitat Quality" - presented by Barb Andersen, 7 p.m., Fireplace Room, McNeal Hall. After-session at Joari Nassauer's home, 1022 W County Road D, Roseville
- TUE - Graduate Studies Committee meets at 8 a.m. in room 398 AlderH
- WED - Departmental Seminar - "The Endosperm Seed Protein Solin in Solanum Species" - presented by Sharon Desborough, 4 p.m., 415 AlderH

THE ANNUAL MEETING of the Society for Developmental Biology will be held in the Earle Brown Center June 22-24. The program is organized around the theme of "Self-assembling Architecture" & will feature a number of invited speakers & a poster exhibit. Attendance is expected to be 200-300 people. Of special interest to plant scientists is a special one-day meeting on plant developmental biology to be held on June 21. Registration information is posted in the lobby & in the back hall way. They need people to assist with registration, projectioning, transportation, & many other tasks, both prior to & during the meetings. All or part of a student's registration fee will be waived, depending upon the extent of involvement. For further info contact Ellen Dahl at 4-2240.

§ § § § §

THE MINNESOTA SUPERCOMPUTER INSTITUTE has announced 3 grant programs for the 1987-88 fiscal year. Posted in the back hall way is the call for proposals for the following programs: 1) Supercomputer Institute Resource Grants; 2) Supercomputer Institute Postdoctoral & Visiting Fellowships; 3) Supercomputer Institute Grants.

§ § § § §

NEWS OF ROBERT PHILIPS has been received by Jane McKinnon. Excerpts from the note include: "Since moving to an apartment our 'gardening' consists of a box in our little sunroom, & all the other house plants I can manage. My big extravagance is fresh flowers & at least one blooming plant at all times! Keeps the blues away! We have a nice apt. overlooking Lake Harriet -- still have our place on the St. Croix (occupied by our oldest grandson) & have adjusted to city life. Bob's physical health is good, but his mind failed considerably since his retirement. Nonetheless, he still is the sweet dear gentleman he has always been, & after 59 years together we are still 'friends'. He takes long walks each day & has a daily time at the library reading room (only 1 block away), so we manage very well. My motto for these aging years is 'we may not have tomorrow, but we had yesterday -- lots of good memories to recall'." Fondly, Alice Philips

If anyone is interested in dropping a note to the Phillips, their address is: 2800 West 44th Street, Apt. 602, Minneapolis 55410

§ § § § §

ROGER'S RUMBLES:

Field Plot Users - Work orders for field work to be done by the farm shop should go through Roger.

Greenhouse Machinery Course -- For the safety & protection of the greenhouse machinery & person operating it, there will be a short (very short) course on the use & handling of the machinery. Anyone who will be using or working with any of the greenhouse machinery is required to attend this 1-hour course or have previous experience with it. Watch the 'Twig' for more info.

§ § § § §

MANY THANKS to Lab 435 for the technology & treats. The abundance of both was bountiful!

§ § § § §

A GRADUATE SCHOOL FELLOW nominee which I nominated was not given the award. Hence, I will not be able to accept him as funds are short. However, I believe that he has excellent potential. If anyone has an RA opening please get in touch with me for more info -- Dave Davis

§ § § § §

TIME FOR A PICNIC on the fresh spring grass. Come sample the picnic wines on the lawn of Doswell Manor, April 25th, 7 p.m. Look for more details in next week's 'Twig'.

§ § § § §

IN THE SWING OF IT -- The Hort Horrors are officially entered as a competitive co-rec class B team (that means we need to finish 1st or 2nd to make the play-offs). Our next practice is Wed., April 8 at the St. Paul gym field from noon to 1 p.m. The first game is at 6:50 p.m., Thurs., April 9 at the St. Paul golf course field 1. Your \$3 contribution toward the team entry fee to Bridget Ruemmele or Julie O'Leary will improve your chances of getting in the line-up. Cheerleaders are welcome!

§ § § § §

KITTIES TO GOOD HOMES - Kathy Lloyd has 2 lovable kittens in need of homes. Check with Kathy if you are interested.

§ § § § §

DEAR ABBY: My university recently instituted a new & very reactive time Restroom Trip Policy. I support the general concept which of course is to reduce down time & therefore increase productivity. However, for those of us over 55, the limit of 20 trips per month is simply not going to suffice. I have checked with the Building Sanitation Engineers Union & their job description definitely does not include emptying chamber pots. What do you suggest? RM

P.S. - Please hurry with your answer.

P.SS -- My office window is directly over the main entrance to the building so that solution is really not acceptable either.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #58 -- April 10, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - APRIL 13-17

- MON - Exam Question - 8 a.m. - 4 p.m., 394 AlderH. Pick up your question from Laura Kalisch
- Plant Breeding Seminar - "Corn Breeding in Private Industry" - presented by Dr. W. Khun, Pioneer Hy-bred International, 4 p.m., 306 Borlaug Hall
- Monday Night Discussion - "Leaf Edge Burn on Poinsettia Stock Plants" - presented by Peter Bierman, 7 p.m., Fireplace Room, McNeal Hall. After-session -- Luby/Hoover home, 1416 N Pascal Street, St. Paul
- TUE - Faculty Meeting, 8:30 a.m., 394 AlderH
- WED - Undergraduate Affairs Committee meeting, 10 a.m. - 12 noon, 398 AlderH
- Project Sunrise Seminar - 1-3 p.m., 125 Coffey Hall
- Self Incompatibility Discussion Group - 3 p.m., 398 AlderH
- FRI - Plant Hardiness Discussion - "High Temperature Stress on Carbohydrate Changes in Wheat During Grain Filling Period" - presented by Zhan-guo Xin, 12 noon, 398 AlderH

SEED SHARING BOX - A gray file box has been placed over the grad student mail boxes. If you have partial packs of seed that you will not be using please place the package of seeds in the box so that others may use them. This will save money & seeds. If the package is large, please use an index card to put plant material & your name in the box instead of the seed package. Thanks -- the Social Committee

§ § § § §

GRADUATE STUDENT Merit Awards will be announced by April 20, 1987.

§ § § § §

SIGN OBSERVED by administrative office recently: Getting things done around here is like mating elephants. 1) It is done at a high level; 2) it is accomplished with a great deal of roaring & screaming; 3) it takes 2 years to produce the results.

§ § § § §

THE PERENNIAL PLANT ASSOCIATION (PPA) would like to solicit grant proposals for research related to herbaceous perennials. The purpose of the grants to be awarded by PPA is to stimulate research in any one or more of the following areas: propagation, production, marketing, use, or maintenance of herbaceous perennials. The grants are available to any recognized non-profit research entity in the U.S. or Canada. For more info see the flyer in the back hallway.

§ § § § §

ST. PAUL COMPUTING SERVICES offers: Data Entry. Services available include: 1) punching & verifying data from most types of source documents; 2) professional assistance provided in preparation of source documents for acquiring the most efficient data entry; 3) conversion of cards to tape or tape to cards; 4) hard copy printouts available from tape or cards. For more info see the flyer in the lobby or contact Linda Pichner or Cleo Medlock at 4-7297.

§ § § § §

CHURCH BULLETIN BLOOPER: This being Easter Sunday we will ask Mrs. Johnson to come forward & lay an egg on the alter.

§ § § § §

CORRECTION FOR the Monday Night Discussion Schedule: Elizabeth Zimmermann will be making the presentation on June 1 - "Screening of Grape Somatic Embryoids from Somaclonal variation". Her name was omitted from the schedule you received.

§ § § § §

!! OVER - OVER - OVER !!

MASTER OF AGRICULTURE advisors/instructors:
When a Master of Agriculture student is enrolled in a 5000 level course that combines both undergrad & grad students, the Master of Ag student should be expected to complete the graduate level requirements. The Master of Agriculture is a post-baccalaureat degree & as such the student should be expected to do more than the undergrads in the class. If you have any questions regarding this please contact Kate Maple (4-7254).

§ § § § §

THE COMPUTERIZED, DIGITAL instrument used to clock in & out of 302 AlderH (April 1, 2, 3) is now available in 305 AlderH. Please indicate the manufacturer of the instrument & Kathy Lloyd will return. Thanks.

§ § § § §

PERSONS INTERESTED in self-incompatibility discussion group: We will meet this quarter on Wednesdays, at 3 p.m. in 398 AlderH. Questions? See Pete Ascher.

§ § § § §

AFTER-SESSION HOSTS are still needed (& desired!!) for Monday nights May 18 & June 1. Contact Jim Luby.

§ § § § §

WITH A CAST of thousands (OK, OK - only 16) the Hort Horrors emerged victorious 13-12 in their softball season opener against the Overaged Kids Thursday night. Everyone contributed significantly to the effort (how's that for covering all the bases?), including formidable pitching by Bud Markhart in the face of stiff competition (to say nothing of the stiff wind, too). Among other highlights, Frank Whiteman, Dave Larsen & Mike Bartolo belted out crucial hits, while Teresa Nowak, Julie O'Leary, Erin Flaherty, & Korise Rasmusson provided awesome defensive plays in the infield. The remainder of the intrepid troupe: Brian Corr, Paul Birnberg, Chad Finn, Carol & Kevin Lenz, Jeff Roguske, Bridget Ruummele & Susan Stombaugh. Next week's game is at 6:50 p.m., Thursday, April 16 at the golf course fields.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #59 -- April 17, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - APRIL 20-24

- MON - Monday Night Discussion - -
"Self-Incompatibility in Rhododendron"
- presented by Julie Padrutt, 7 p.m.,
Fireplace Room, McNeal Hall.
After-session at Marty Stahler's home,
741 W VanBuren Street, Apt. 1, St. Paul
- TUE - Departmental Coffee Break, 9:30 a.m.,
394 AlderH
- Consultative Committee Meeting - 3
p.m., 398 AlderH
- WED - Project Sunrise Seminar - 1-3 p.m.,
125 Coffey Hall
- Self-Incompatibility Discussion Group, 3
p.m., 398 AlderH
- Grad Student Meeting - 4 p.m., 415
AlderH
- FRI - Plant Hardiness Discussion - Slide
show of some Chinese vegetables not
normally seen in the U.S. -- S.Y. Shen,
12 noon, 398 AlderH

A GRAD STUDENT MEETING will be held to
discuss current Meaningful Teaching Experience
policy (see Blue Book). The GSC will be revising
this policy in the coming weeks -- now is your
chance to make your voice heard concerning
the strengths & weaknesses of the current policy
& provide suggestions for revision. Mark your
calendars now for Wednesday, April 22, 4 p.m.,
415 AlderH.

§ § § § §

WE ARE MISSING a lot of silverware from Lab 369
-- mostly forks. If you have any of our utensils,
please return them!! Thanks - Shirley Munson

§ § § § §

OFFICE OF INTERNATIONAL Education Faculty
Grant Program - 1987-88 -- The announcement
for this granting program is posted on the back
hallway bulletin board. Please note the purpose,
eligibility & application deadlines. The first
deadline is May 15. Application forms & grant
guidelines are available from Laura Kalisch.

§ § § § §

COME TO THE PICNIC wine tasting! Six wines
plus picnic dishes for all! April 25, 7 p.m. on the
lawn of Doswell Manor (2294 Doswell Avenue). A
\$6 donation is requested, payable to John Dole
&/or Ben Bergman, 462 AlderH. Donations are
requested no later than April 23. The Wine
Committee

§ § § § §

CHAD'S CHATTER -- Garden plots are marked off
in K-13. If you have a plot see the notice in your
p.o. box for further info. Thanks

§ § § § §

THE MATERIAL SAFETY DATA SHEET book is
available for all to use; however it must stay in
305 AlderH. You are welcome to use it in the
office & if you need to copy a page let someone
in the office know before removing either the
book or page. Thanks

§ § § § §

THE ANNUAL ST. PAUL CAMPUS RETIREMENT
Recognition Luncheon honoring those retiring
from civil service positions on the St. Paul
Campus will be held in the Earle Brown Center on
Tuesday, May 12 at noon. The ticket price is \$3.
Martha Piechowski will be accepting reservations
& money for the tickets until 4:00 on May 5.
Thanks

§ § § § §

HOLIDAY SCHEDULE FOR FY 1987-88:

Major Holidays (all campuses):

Independence Day - July 3, 1987
Labor Day - September 7
Thanksgiving Day - November 26
Christmas Day - December 25
New Years' Day - January 1, 1988
Martin Luther King's Birthday - January 18
Memorial Day - May 30

Floating Holidays (Twin Cities):

November 27, 1987
December 24
December 28

The 11th holiday has been designated a Personal
Holiday for 1987-88. For Personal Holiday
Policies see Laura Kalisch in 305 AlderH.

§ § § § §

!! OVER - OVER - OVER !!

AN OFF NIGHT . . . The Hort Horrors suffered their 1st defeat 9-3 against the Greenbacks Thursday evening. Sluggish hitting kept the Horrors' score low, while sparkling defensive plays prevented a blowout by the other team. Paul Birnberg & Carol Wylie-Lenz teamed up for an exciting rundown at home. Spectacular catches were contributed by Teresa Nowak, Julie O'Leary, Dave Larson, Kevin Lenz & Al Ducommon. In addition, Barb Maack-Larson, Muggs Stahler & Korise Rasmusson made key defensive stops. As usual, Bud Markhart controlled the pitching with flawless ease (no walks; at least 1 strikeout), as well as completing several outs, including a double play with Paul. Filling out the total team effort were Mike Bartolo, Brian Corr, John Daniels, Bridget Ruemmele & Frank Whiteman. Next week's game: Thursday, April 23 at 6:50 p.m. on Golf Course Field #3 against an archrival -- VD Transmission.

§ § § § §

REMINDER -- The Equipment Short Course is being held TODAY at 1 p.m. in the greenhouse.

§ § § § §

!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol. 5 -- #60 -- April 24, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - APRIL 27- MAY 1

- MON - Monday Night Discussion - Prelim Question Topic: Describe how to establish a seed quality program for seed production & justify
- TUE - Special Faculty Meeting - 8:30 a.m., 394 AlderH
- Departmental Coffee Break - 2:30 p.m., 394 AlderH
- WED - Project Sunrise Seminar, 1-3 p.m., 125 Coffey Hall
- Self Incompatibility Discussion Group - 3 p.m., 398 AlderH
- FRI - Plant Hardiness Discussion - Review of a recent plant cold hardiness proceedings - Paul Li will lead the discussion -- 12 noon, 398 AlderH

BE SURE TO CHECK the portable bulletin board in the lobby for the article "Where the Wild Things Grow -- Computers Amidst the Poppies of the Field" by Dale Archibald, in Computer User, April 1987. Richard Isaacson, arboretum librarian, is featured.

§ § § § §

NEEDED: We still need a couple of people to judge 4 panels of raspberries. If you are interested, please sign up in Lab 369.

§ § § § §

CONGRATULATIONS to undergrads Theodore Lee, Paul Miller, Valarie Gaeding, Paul Leonard & Brian Zimmerman who each won a \$250 scholarship from the Federated Garden Clubs of Minnesota.

§ § § § §

STATE FFA CONVENTION will be held on campus starting Sunday, April 26. About 2700 FFA members are expected to be in attendance. The College of Agriculture is hosting an open house on Sunday, from 2-6 p.m. in the Brooklyn Room of the Earle Brown Center.

§ § § § §

NCR-ASHS Meetings will be held in South Dakota on July 7-9. The program chair would like a list of faculty & grad students attending the meetings. If you anticipate attending, please let Laura Kalisch know by Wednesday, April 29. Thanks.

§ § § § §

SPECIAL LECTURE - "U.S. Food Policies -- the Effects on Farmers & Farmland" - presented by Francis Moore Lappe, author of best-selling Diet for A Small Planet, Friday, May 1 at 7:30 p.m., Student Center Ballroom, Hamline University. The lecture is free & open to the public.

§ § § § §

REMEMBER to come to the wine tasting picnic this Saturday (April 25), 7 p.m., 2295 Doswell Ave. Donations are requested (contact J. Dole or B. Bergman) no later than today. Everyone is welcome. The Wine Committee

§ § § § §

CONGRATULATIONS to the following grad students who were awarded the Outstanding Graduate Student Award for Spring 1987 - Neil Anderson, Ben Bergman, Peter Bierman, John Dole, Mike Evans, Barbara Liedl, David Rubino, Bridget Ruemmele & Rod Serres.

§ § § § §

NOT TOO HAPPILY EVER AFTER - Powering to a 6-0 lead in the top of the 1st inning (& how we wish to game had ended there), the Hort Horrors' hopes hung heavy as the VD Transmission went into overdrive to motor ahead for a 22-12 tally in Thursday's softball spree. There were bright spots despite the score. Bud Markhart's perennially perfect pitching was supported by frenzied fielding feats from outfielders Chad Finn, Frank Whiteman, Brian Corr, Barb Maack-Larson, Susan Stombaugh, Julie O'Leary & Muggs Stahler; & Korise Rasmusson, Dave Larson, Teresa Nowak, Paul Birnberg, Kevin Lenz, Carol Wylie-Lenz & Ben Bergman around the bases. Frank, Dave, Bud & Chad smashed out deadly drives, while Carol, Korise, Brian & Paul provided baserunning excitement. All the women contributed key hits in the scoring effort. Our next game is Thursday, 4/30, at 6:50 p.m. on GC1 against the Hooters. It should be a real scream.

§ § § § §

CONGRATULATIONS to the following who were elected to Gamma Sigma Delta at their Initiation Banquet on Thursday, April 23:

Seniors - Horticulture

Scott M. Aker, Connie L. Lamers, Fred J. Rozumalski, Barbara S. Ryan, Brian R. Zimmerman

Seniors - Landscape Architecture

Margaret L. Magosian

Graduate Students -

Lawford Baxter, Rhoda L. Burrows, John M. Dole, Michael R. Evans, Meng-Jiu Tseng

Faculty -

Emily E. Hoover
James J. Luby

D. Bruce Johnstone, 1935 graduate of Horticulture & Botany, was recognized with the Award of Merit for Outstanding Service to Agriculture. Dr. Johnstone was Chief Horticulturist & Head of the Flower Seed Department at Northrup King & is a dedicated volunteer at the Landscape Arboretum.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 -- #61 -- May 1, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape
Architecture. Editors: K.L. & Jen Lloyd

THIS WEEK - MAY 4-8

MON - "Demystifying Disability" - John Schatzlein, Sr. Film to be shown in Kenney Room 351-2 Coffman Memorial Union; 11:45-1:15 P.M. Followed by film on demistifying disabilities. Sponsored by the University of Minnesota for disAbility Awareness Days.

Monday Night Discussion- Cheryl Engelkes -- Breeding for partial resistance to corn leaf rust (Puccinia sorghi) in sweet corn. After session -- Kirk Pomper's home -- 2295 Doswell Ave., Apt. 1, St Paul.

TUE - Departmental Coffee is at 9:30 A.M. Bring Treats.

Douglas Dewey, Research Geneticist with the U.S. Department of Agriculture will receive the University of Minnesota's Outstanding Achievement Award at a ceremony in our seminar room (306 Borlaug) on Tuesday, May 5, 1987.

WED - Self Incompatibility Discussion Group - Wednesday at 3 P.M. in Room 398 Alderman Hall.

FRI - Floriculture Discussions - HORT 8064, Room 398 Alderman Hall. Discussion this week is "Preparing Scientific Manuscripts" presented by Dr. E. Hoover.

POSITION OPENING SOON. United States Patent and Trademark Office is planning to hire 12 new examiners knowledgeable in plant sciences. For more information please see Laura.

THOSE WISHING to send something by air express service should be advised that the University now has a contract with Purolator which offers significant savings. Get the Dept. of Hort. account number from Rose before making use of this service.

DOES ANYONE WANT to switch parking lots? Florence Dunkel would like to switch her parking spot. She currently is parking near Entomology on Folwell Ave. and would like to switch to lot #158. 4-3221.

APPLICATION DEADLINE May 15 for candidates for the appointment of Faculty Representatives for Men's and Women's Departments of Intercollegiate Athletics. Laura has more info for you if you're interested.

CALL FOR PAPERS American Community Gardening Association Conference is holding its eight annual conferences in Seattle, WA on October 25-29, 1987. Deadline is May 15. See Laura for more information.

A HORROR-IFYING EXPERIENCE. The Hort Horrors succumbed 16-7 to the Hooters Thursday night in an action-packed extravaganza. The Horrors had to start the game with 8 players when throngs from the first 3 games failed to appear. Beth, who came to spectate, passed the batting crash course to step in admirably at the plate as well as behind the plate

TWIG-BENDER

Vol. 5 - #61 -- May 8, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - MAY 11-15

- MON -Monday Night Discussion - "Re-generation & Transformation of Brassica campestris L." - presented by David Larson, 7 p.m., Fireplace Room, McNeal Hall. After-session at Jim Bartz' home, 1975 Autumn Street
- TUE -Faculty Meeting, 8:30 a.m., 394 AlderH
- FRI -Floriculture Discussions - "Preparing Grant Proposals" - Emily Hoover, 11 a.m., 398 AlderH

THE CIVIL SERVICE COMMITTEE invites all staff members to attend the 2nd annual UofM Employees Night at the Metrodome. A block of 500 seats located in the lower deck on the first baseline has been reserved for the Minnesota Twins vs Milwaukee Brewers game on Thursday, May 28. Tickets go fast so if you're interested order early. For more info see the bright yellow flyer in the lobby.

§ § § § §

FRIDAY, MAY 15, 1:30 p.m., in room 394 AlderH, Dr. Andy Reynolds will be here for an informal discussion of his research in cultural practices influencing cold hardiness in grapes. Dr. Reynolds is with Agriculture Canada, Summerland Research Station, British Columbia.

§ § § § §

APPLICATIONS ARE BEING ACCEPTED FOR 1 Master Gardener -- Individual with horticulture, landscape architecture, or master gardener background to handle all aspects of the City of St. Louis Park's annual and perennial flower program. Primary duties to include the planning, purchasing, planting and maintenance of the City's flower bedding sites. The position is part-time, flexible 20 to 30 hours per week, and under the direction of the Park Superintendent. For details see the flyer on the job board in the lobby.

§ § § § §

CONGRATULATIONS to Sharon Desborough & David Pitt who are both recipients of Graduate School Grants-in-aid.

§ § § § §

"Wisdom tends to grow in proportion to one's awareness of one's ignorance" -- Anthony deMello

§ § § § §

DID ANYONE start more bedding plants than they can possible use? I'll take extras for my garden plot. I especially need tomatoes & flowers, other vegies welcome. Thanks! Muggs Stahler

§ § § § §

NEWS FROM JANE -- She finally feels "oriented" after only 30 days! Progress includes alternate copy for a brochure on Agadir (Hort or the entire Complex) & taking pictures to be included. The first extension newsletter articles are due on the 15th. Daughter Sarah is expected on the 13th; both plan a vacation in Spain.

§ § § § §

WELCOME to Dr. Myong-won Kim. Dr. Kim is here on sabbatic from the Department of Biology, College of Liberal Arts & Sciences, Yonsei University, Kangwondo, Korea. She will be working in Dr. Hackett's lab.

§ § § § §

DEAN'S LIST - College of Agriculture, Winter Quarter 1987 -

Horticulture: Scott Aker, Richard Harkess, Carolyn Jones, Lori Montgomery, Pamela Sanders, Bonnie Thompson & Brian Zimmerman

Landscape Architecture: Theodore Lee, Paul Miller, Eric Olund, Carol Pelton, Carmen Simonet & Harry Varney

Congratulations to all!!

§ § § § §

NEW CALL FOR PROPOSALS to Project Woksape is posted on the back hallway bulletin board. Several faculty members in this department has been the recipients of IBM hardware & software through this program. It is an excellent opportunity to support your instructional research & development with IBM computer equipment. Proposals are due to Dean Wharton by May 29. If you have questions regarding the program, check with Mark DeBower.

§ § § § §

!! OVER - OVER - OVER !!

PUBLICATION -- Jones, R.J. & M.L. Brenner. 1987. Distribution of abscisic acid in maize kernel during grain filling. Plant Physiology 83:905-909.

§ § § § §

DAZZLING FINISH - The Hort Horrors closed out the spring softball season with a loss to We're Not for Sure 8-6. In spite of being on the low side of the score, everyone played solid offense & defense. Bud Markhart's intimidating pitches garnered 4 strikeouts, while Dave Larson, Al Ducommon, & Teresa Nowak contributed chilling catches. Korise Rasmusson, Mike Bartolo, Dave, Julie O'Leary, Paul Birnberg & Bridget Ruummele kept tight rein on the infield, as Barb Maack-Larson, Frank Whiteman, Teresa, Mike, & Al guarded the outfield. Everyone performed well at the plate, including superb smashes by Al, Barb, Dave, Bud & Frank. Stay tuned for summer season updates & a possible scrimmage with the folks in the botany department.

§ § § § §

"A teacher ought to be a stranger to love of domination, & a foreigner to vain glory, far from arrogance, neither deceived by flattery, nor blinded by gifts, . . . Nor held back by anger, but rather should be patient, kind, and as far as possible, humble. He ought to be self-disciplined, tolerant, diligent, & a lover of souls." Desert Wisdom; Amma (Mother) Theodora (about 450 AD)

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #62 -- May 15, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - MAY 11-15

- MON - Monday Night Discussion - "In vitro Propagation of Tulip" - presented by Charleen Baker, 7 p.m., Fireplace Room, McNeal Hall
- WED - Project Sunrise Seminar - 1-3 p.m., 125 Coffey Hall
- Departmental Seminar - "Alternative Transplant Times for Seedling Asparagus" - presented by Rhoda Burrows, 4 p.m., 415 AlderH
 - Floriculture Discussions - Career Perspectives & Needs of Graduate Students - discussion led by Dean C.E. Allen, 4 p.m., 394 AlderH

THE 1988-89 FULBRIGHT SCHOLAR PROGRAM information flyers are in the office & available from Laura Kalisch. The Fulbright program offers a wide variety of opportunities & benefits for scholarly research abroad. The first deadline is June 15 so if you are interested pick up your info soon.

§ § § § §

ON SUNDAY, May 17, the Woodland Azalea Garden at the Arboretum will be dedicated at 2 p.m. Can you think of a more pleasant way to spend a beautiful Sunday afternoon?

§ § § § §

PUBLICATION: L.X. Zhang, P.H. Li & M.J. Tseng. 1987. Amelioration of Chilling Injury in Rice Seedlings by Mefluidide. Crop Sci. 27:531-534.

§ § § § §

REMINDER from Phil Bird & the gang at the HRC - If you want to reach us & have tried our regular telephone only to get the recording, call the arb & have us paged on the radio. Arb phone # - 443-2460.

§ § § § §

On elevator wall: "I hate graffiti" -- underneath it: "I hate all Italian food". From the Readers Digest

§ § § § §

AgET 1020 - Students interested in this course (Agricultural Shop Metal Work) are reminded that it is offered only during fall quarter starting in 1987.

§ § § § §

SNAPDRAGONS - I have a lot of snapdragons which I will gladly pass on to anyone who is interested. However, they need to be transplanted soon. See me if you would like some. July O'Leary

§ § § § §

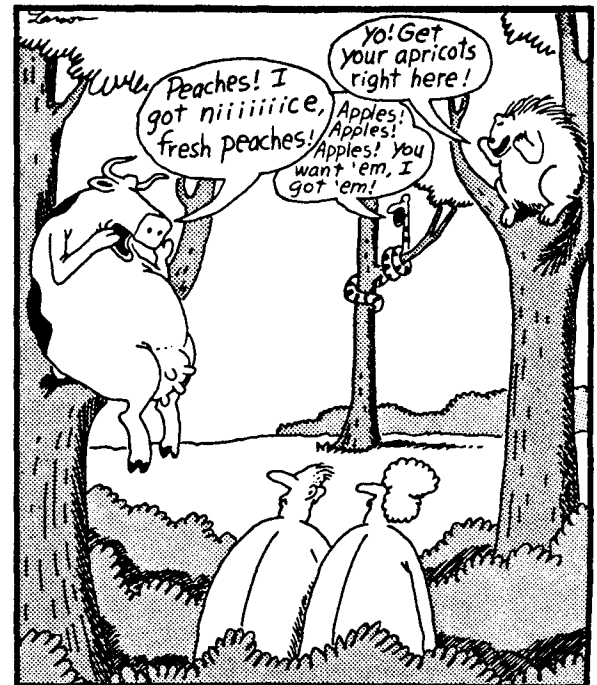
ADDRESS CHANGE for Seedmen's Digest: 1999 Shepard Road, St. Paul MN 55116. Also, the new editor is Jan Johnson. Please direct all editorial material to Jan as Bill Ward is no longer affiliated with the Digest.

§ § § § §

A LIMITED number of broccoli & cauliflower plugs are available for student gardeners & staff endeavors. See LBH

§ § § § §

!! Have a Good Week !!



Saturday morning in the Garden

TWIG-BENDER

Vol. 5 - #63 -- May 22, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - MAY 25-29

- MON - Memorial Day Observed. Be sure to be aware of the yellow ribbons on the highways and drive carefully! We want everyone back on Tuesday
- WED - Project Sunrise Seminar, 1-3 p.m., 125 Coffey Hall

HEARTY CONGRATULATIONS are extended to Dr. Emily E. Hoover for being the honored as the College of Agriculture's Distinguished Non-Tenured Teacher for 1986-87. Emily will receive her award at the graduation program on June 3.

§ § § § §

TOOL USERS: Please return your borrowed tools to the greenhouse shop &/or office at the end of each day. Thanks -- Roger

§ § § § §

THE LIST OF 1987 Nominees for President Elect of the American Society of Plant Physiologists includes Dr. Mark Brenner. If you are a voting member of ASPP, you are reminded that the elections are in process now & ballots are due back the first week of June. Good luck Mark!

§ § § § §

INFORMATION FLYERS regarding the Second National Herb Growing & Marketing Conference are posted on the bulletin board in the lobby.

§ § § § §

Thoughts from Anthony de Mello:

"Nothing is good or bad, but thinking makes it so . . ."

"Everything is as good or as bad as one's opinion makes it"

- & -

"Those who sleep on the floor never fall from their beds"

§ § § § §

!! Have A Good Week !!

For my country friends:



"Here, Fifi! C'mon! ... Faster, Fifi!"

TWIG-BENDER

Vol. 5 -- #64 - May 29, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - JUNE 1-5

- MON - Monday Night Discussion - "Screening of Grape Somatic Embryoids for Somaclonal Variation" - presented by Elizabeth Zimmerman, 7 p.m., Fireplace Room, McNeal Hall. After-session at Julie Padrutt's home, 1922 Sharon Avenue, Minneapolis
- WED - Departmental Seminar - "Optimizing Production of green Pepper with Plasticulture" - presented by John J. Schoenecker, 4 p.m., 415 AlderH
- FRI - Floriculture Discussion - Continued discussion on career perspectives for horticultural graduate students - Speakers will be E.E. Hoover & D.B. White, 11 a.m., 398 AlderH

STILL SEEKING HOUSING for Professor Robert Thayer, Hill Visiting Professor in the Landscape Architecture Program for Winter Quarter 1988. Professor Thayer will be arriving approximately January 4, 1988 & staying to the end of the quarter. If you know of a home available near St. Paul campus, please contact Laura Kalisch.

§ § § § §

"The most difficult thing to give away is kindness -- it is usually returned" -- Cort R. Flint

§ § § § §

MISSING -- Five 5¼" IBM diskettes, 2 blank, 3 labelled with my name. Please return. Dave Rubino.

§ § § § §

UPDATE ON TAXATION of Scholarships & Fellowships under the Tax Reform Act of 1986 -- The IRS recently issued a statement concerning changes related to the taxation of scholarships & fellowships under the Tax Reform Act. The information is available from Laura Kalisch.

§ § § § §

SYMPATHY IS EXTENDED to Dr. Conrad J. Weiser, former faculty member in this department. Dr. Weiser's father passed away on May 25. The funeral service will be held today at St. Peter's Lutheran Church, in Audubon, MN (about 5 miles south of Detroit Lakes), at 2 p.m.

§ § § § §

CIVIL SERVICE Open forum with Dr. Richard Sauer, VP for Agriculture, Forestry & Home Economics, will be held Wednesday, June 3, 12 noon to 1 p.m. in the St. Paul Center Theatre. Everyone is encouraged to attend & bring questions.

§ § § § §

"The closest to perfection a person ever comes is when s/he fills out a job application form" -- Stanley J. Randall

§ § § § §

FLORICULTURE DISCUSSION for today has been cancelled, today's topic has been rescheduled for next Friday, same time, same room.

§ § § § §

THE NEWEST NOTEBOOK for your attention contains the Environmental Health News newsletter. The notebook will be located in the main office next to the MSDS notebook.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 -- #64 -- June 5, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape
Architecture. Editor: K.L. Lloyd

THIS WEEK - JUNE, 8-12 1987

MON - No Monday Night Discussion.

Hayes Memorial Lecture - June 8 at 8 P.M. in 335 Borlaug Hall. Speaker is Dr. Donald Winkelmann. Title: "Future of Agricultural Research for Developing Countries: Prospectus on the CGIAR and CIMMYT".

FRI - Plant Hardiness Group. Friday, June 12 at 12 noon in Room 398 - AldHl. Speaker will be Yves Costenguay. His subjects are: I. Agricultural Research and Graduate Education in Canada. II. Report on meeting at University of Missouri on Stress Effects on Photosynthesis.

I WOULD LIKE TO PUBLICLY express a sincere "Thank You" to the undergraduate students in Horticulture and Landscape Architecture for their strong statement of support in the dedication and naming of Mullin's Woodland.

Positive feedback from students is important in the life of any teacher. This public recognition comes at a particularly significant time for me and I deeply appreciate the effort of all of the students evolved.

Especially to the Horticulture Club and the L.A. Student organization I say, "THANK YOU VERY VERY MUCH".

Bob Mullin
Teacher of
Horticulture

HAPPY BIRTHDAY EMILY H., JIM L AND KIRK P. Jim and Emily BOTH have birth dates of June 5, as does Kirk Pomper.

HOW TO KNOW WHEN YOU ARE getting old: Your knees buckle and your belt won't.

WANTED: someone to defrost freezer compartment of refrigerator in the Coffee Room. ASAP - VOLUNTEERS PLEASE.

FACULTY AND CIVIL SERVICE PERSONNEL return your ballots to Laura today (Friday, June 5).

OF INTEREST TO MANY: Roy A. Larson (B.S. and M.S. in Floriculture-MN). Is the President Elect of A.S.H.S. He is a native of Cloquet, MN.

LOST: Has someone borrowed this book? Genetics, Development, and Evolution. 17th Stadler Genetics Symposium 1986. J.P. Gustafson, G.L. Steldorins, F.J. Ayala eds. Plenum Press, N.Y. It's been missing for over 2 months and I would like to find it. P. Velguth.

FOUND: Roll of Undeveloped (or unused) 200 Kodacolor VR-G 35 mm film. Lost in front of Alderman Hall on 6/2.

STRAWBERRIES, STRAWBERRIES: Dave Bedford would like to invite 22 people from the campus to come pick strawberries at Becker on Thursday. Picking starts at 4:45, on-the-dot. Sign-up sheet in Room 305. Vans available. Bring your own containers to haul home your sweet pickin's.

JUNE 23 The public is invited to attend the Crops and Soils Field Day at the Southern Experiment Station, Waseca. 8:30 a.m. to 3:30 p.m. For more information, contact Richard H. Anderson, Southern Experiment Station, Waseca, MN 56093 (507-835-3620).

HELEN BRECHBIEL'S retirement from the Agriculture Experiment is set for June 30, 1987. A wine and cheese reception has been planned in her honor on Wednesday, June 17 from 2:00-4:00 at Earle Brown Center. For those wishing to contribute toward a gift for Helen may send it to Peggy Samuelson, 220 Coffey Hall.

MINNESOTA NURSERYMEN'S Association and the University of Minnesota invite you to join them for a special day at the Arboretum. Forms are available in 305 AldH, front desk. Event is planned for June 24, 1987, Wednesday.

NEW SOFTWARE is available for IBM, or C 64, or C 128 P.C.'s. Two titles are: Trickle (interactive computation programme system) by J. Balogh and I. Ijjas, Hungarian scientists. The other, Basic Aspects of Trickling Irritgation. The manual of the programme system, written by J. Balogh and I. Gergely. Laura has the form available to order these items.

VISITING PROF NEEDS HOUSING for 1987-88. A visiting professor in Ag. Economics needs a home for the next school year from July 1987 to August 1988. They are looking for a 3-bedroom home in the Roseville School District. If you know of anyone going

on sabbatical or anyone who has a home for rent please contact Craig Dobbins (317-463-1141); 3033 Greenbrier, West Lafayette, IN 47906.

The Far Side / By Gary Larson



"Go back to sleep, Chuck. You're just havin' a nightmare — of course, we are still in hell."

TWIG-BENDER

Vol. 5 -- #65 - June 12, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - JUNE 15-19

- TUE - Class: Using Mulches in the Garden & Landscape 10 a.m. to noon, Classroom at the Arb. Fee: \$6 members, \$8.50 non-members
- THUR - Class: Vines in the Minnesota Landscape - 10 a.m. to noon, Classroom at the Arboretum. Fee: \$6 members, \$8.50 non-members

THE HORTICULTURE Summer Barbeque will be held at Lake Johanna on June 26 at 5 p.m. A \$3 donation is requested to cover expenses. Donations may be given to K. Pomper (#358), Kathy Lloyd (#305), Bridget Ruemmele (#440) or Mike Evans (#266). Please make your donations by June 21 so that an accurate count can be determined.

§ § § § §

CONGRATULATIONS to Ms. Sonja Maki who has been awarded a Doctoral Dissertation Fellowship for 1987-88.

§ § § § §

UofM RESEARCH EXPEDITIONS is a program in Extension Classes which offers faculty researchers the opportunity to have volunteers assist in their field research. Research ideas are now being sought for winter, spring & summer of 1988. Acceptance of research projects will be based on involvement best suited for volunteer participation. For more info & a proposal form see Laura Kalisch.

§ § § § §

GRANTS FUNDED:

USDA - Role of Microtubules in Freezing Injury & Cold Acclimation in Plants. John V. Carter, PI

USDA - Role of Abscisic Acid on Sucrose Accumulation by Soybean Seeds - Mark L. Brenner, PI

US-AID - Nitrogen Fixation & Drought Tolerance in Interspecific Phaseolus Genotypes - Carl J. Rosen & Peter D. Ascher, Silvio Zuluaga, PIs

§ § § § §

DOES ANYONE HAVE extra ASHS meeting registration materials? If you do, please bring them into the office for Laura. Thanks.

§ § § § §

FACULTY: Please discontinue use of 0302-4821 budgets immediately. Inform your graduate students & staff to use other budgets until after July 1. Thanks -- Pat

§ § § § §

THE GRADUATE SCHOOL is pleased to announce the opening of the 1988-89 competition for Fulbright grants & other grants for graduate study abroad administered by the Institute of International Education. Application deadline is October 1, 1987, but don't wait till the last minute. For further info see the poster in the back hall-way.

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STUDENT ASHS TRAVEL AWARDS - We are entitled to submit the names of 2 undergrad & 2 grad students for \$100 awards. Eligibility is a submitted abstract. Please submit names to Laura Kalisch by 7/1/87.

§ § § § §

PUBLICAITONS:

Sugar Changes & Chipping Responses of Norchip Tubers After Handling from Storage. Paul H. Orr, Joseph R. Sowokinos, Jerry L. Varns. 1986. Transactions of the ASAE, 4:1180-1185. Honorable Mention - ASEA Paper Awards for 1986

Influence of Potato Storage & Handling Stress on Sugars, Chip Quality & Integrity of the Starch (Amyoplast) Membrane. 1987. American Potato Journal. 64:213-226

§ § § § §

GARDEN TOUR ANYONE? Pi Alpha Xi is considering sponsoring a tour this summer to one of 2 Minnesota flower growing operations with national reputations. Borbeleta Gardens, started by departmental alumnus Julius Wedekamper, is located in Faribault, while Bussey's is in Cokato. These growing

!! OVER - OVER - OVER !!

operations include daylily, lily, iris, & daffodil stocks for sale to other gardeners. A picnic lunch & other stops of interest along the way to either garden could be included. PAX members & anyone else interested in this event may contact Bridget Ruummele or leave a note in her box so we can get an idea of numbers wanting to attend & preferences as to which garden to visit & dates to go.

§ § § § §

FACULTY -- Monday is the deadline for turning in your votes for Consultative Committee & Grievance Committee elections.

§ § § § §

BYE BONNIE - Bonnie Seideman, our office assistant for the past 100 years, is leaving us to pursue gainful employment with Norwest Banks. Bonnie will be missed A LOT by the office staff & I'm sure everyone else. Thanks for all the hard work Bonnie & stay out of the sun!!

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #66 -- June 19, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - JUNE 22-26

- TUE - Summer Field Day - Waseca, 8:30 a.m. - 3:30 p.m.
- WED - MN Nurserymen's Arboretum Day - Landscaping for Wildlife - 7:45 a.m. - 4 p.m., Arboretum
- Summer Field Day - Lamberton, 9 a.m. to 2 p.m.

WALKING TOURS of the arboretum's formal display gardens are provided every Tuesday at 10 a.m. The tours highlight the arb's formal display gardens such as the Japanese Garden, Home Demonstration Garden, Rose Garden, Herb Garden and more. There is no charge for these tours.

§ § § § §

INTERESTED IN CAR-POOLING to the ASPP Meetings in St. Louis? We already have 9 people from hort who are planning to drive in a University vehicle to the meetings, leaving Sunday July 19 & returning probably on Friday, July 24, or perhaps (less likely) July 23. Before we make a final reservation of vehicles, we would like to know if anyone else is interested in joining the group; the price will be between zero & very reasonable. If you would like to join us, please contact us by 6/24/87 -- if you have questions please see us before the 24th. Bud Markhart & Paul Birnberg

§ § § § §

DR. C.E. PETERSON, ARS/USDA, Department of Horticulture, University of Wisconsin, passed away on June 7. Dr. Peterson made major contributions in the field of horticultural science during his 40 years in research. The funeral was held on June 13. Memorial funds may be sent to Benson Institute, Vitamin A Research Fund, Brigham Young University, ATTN: Dr. Lauren Robison, Provo, UT 84602.

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CIVIL SERVICE INFORMATION RE: Merit vs across-the-board pay dialogue is available from Laura or Roger.

§ § § § §

INFO RE: Summer session tuition waivers for graduate assistants is available from Laura Kalisch.

§ § § § §

HORT HORRORS Summer softball season swings into action Tuesday, June 23 at 6:10 p.m. on West Bank Field #3. We are in the recreational league this summer, which means we will play 9 fun games with no play-offs. Contact Bridget if you have any questions about this.

§ § § § §

GARDEN TOUR ANYONE? Pi Alpha Xi is considering sponsoring a tour this summer to one of 2 Minnesota flower growing operations with national reputations. Borbeleta Gardens, started by departmental alumnus Julius Wedekamper, is located in Faribault, while Bussey's is in Cokato. These growing operations include daylily, lily, iris, & daffodil stocks for sale to other gardeners. A picnic lunch & other stops of interest along the way to either garden could be included. PAX members & anyone else interested in this event may contact Bridget Ruemmele or leave a note in her box so we can get an idea of numbers wanting to attend & preferences as to which garden to visit & dates to go.

§ § § § §

BY POPULAR DEMAND the spring barbecue is now the spring potluck picnic. Charcoal grills, pop & beer wills still be provided (donations accepted). There will be a sign-up list on the bulletin board by the mail boxes to see what everyone is bringing. Bring your favorite food to grill along with eating utensils to Lake Johanna Park, July 26, 4:30 p.m. Activities already include volleyball, frisbee toss, wind surfing, swimming, egg toss, & a lot more. See you there!!

§ § § § §

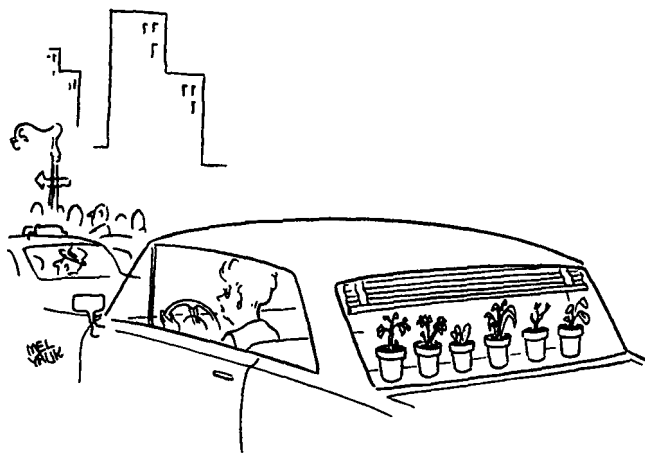
IF YOU'RE ONE of those people who drifted away from dining at the Cherrywood Room, you may want to check them out since they made some changes. They have added new food items, installed air conditioning, painted & redecorated. Stop by & give them a try -- things have really improved!!

§ § § § §

PLANT PATH plans to host a tour of their field research being done at their St. Paul & Rosemount research areas on July 10. The department has cordially invited any interested faculty & staff to be their guests on that day. An agenda has been posted in the back hallway. If you would like to attend please notify them at 5-8200.

\$\$\$ \$\$

!! Have A Good Week !!



TWIG-BENDER

Vol. 5 -- #67 - June 26, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - JUNE 29- July 3

THUR - Office Closed!
FRI - 4th of July Holiday - University Closed

THE OFFICE STAFF will be using the 1987-88 Personal Holiday on Thursday, July 2 -- the office will be closed.

§ § § § §

GREENHOUSE USERS - Starting on Wednesday, July 1 & every Wednesday continuing through the month of August, the greenhouse crew will spray the entire greenhouse range between the hours of 6-9 a.m. & 7-10 p.m. All greenhouse sections will be sprayed. Roger

§ § § § §

HAVE YOU EVER CONSIDERED using Tupperware in the lab? Well, the 2nd floor labs are going to host a Tupperware party in August for lab & home ware. If you are interested in attending please contact Marna Ericson, Marcy Taylor or Barbara Liedl, so we can try to pick the best day & time for all interested.

§ § § § §

INTERVIEW SCHEDULE FOR CORN BREEDER - The search committee has set up the following schedule for interviews for the corn breeding position: Mario Carlone from Iowa State University will be here July 6-7; Steve Openshaw, University of Illinois (currently with DeKalb-Pfizer) will be here July 7-8; & David Baltenberger from Purdue University will be here July 13-14. Anyone interested in attending the seminar presentations is welcome. Seminar times will be in next week's Twig.

§ § § § §

AIS-CENTRAL ADDRESSING System Services will be sending Faculty/Staff Update Forms in early July. Please complete the forms & return them promptly to AIS-Central Addressing Systems Services. If you do not receive a card see Laura Kalisch. Thanks.

§ § § § §

REMINDER TO SUPERVISORS of hourly student employees: Because of the upcoming July 4th holiday, students' time cards will be due on MONDAY, JUNE 29.

§ § § § §

THE PI ALPHA XI Borbeleta Gardens tour is set for next Wednesday, July 1. Some lilies will be at their peak then, according to personnel at the garden. The van leaves from the hort greenhouse at 10 a.m. & will return sometime in mid-afternoon. Bring a picnic lunch to eat at Borbeleta. Additional stops may be added if time permits. Anyone who has already contacted Bridget is on the list to go & we have 6-7 more spaces available if someone who hasn't signed up already would still like to go. Leave your name with Bridget by Monday, June 29. The remaining seats are on a first come basis.

§ § § § §

ANY GRADUATE STUDENTS interested in discussing the plus/minus of their dossiers are welcome to contact Bud Markhart.

§ § § § §

HORT HORRORS HIGHLIGHTS - In spite of a lopsided score in favor of YIT (Yuppies in Training), the Horrors practiced several interesting plays under the guise of a game Tuesday evening. Dave Olson & Teresa Nowak smashed out grand slam home runs, while Barb Maack-Larson made 2 spectacular catches look easy. Charleen Baker's rookie performance was valiant as she beat out a hit to base in spite of being previously beamed by the pitcher. Susan Stombaugh, Rick Stapfer, Dan Olson, Baul Birnberg, Kirk Pomper & Bridget Ruemmele also competed.

§ § § § §

BLUEBERRY PICKING - Saturday, July 4, 9 a.m. Sign up by the grad p.o. boxes.

§ § § § §

!! OVER - OVER - OVER !!

GOODBYE BEN -- Come to Lake Owasso for an afternoon of sun & fun & to wish Ben Bergman Good Luck this Sunday (6/28). Bring food & friends. We'll be there from noon on. See K. Louis & W. Hackett for map.

§ § § § §

CONGRATULATIONS to John Murray who has recently been awarded a Graduate School Doctoral Dissertation Special Grant. Since funds are limited & the competition for these grants is very keen, having been selected for an award is a tribute to John's excellent academic record! Way to go John!!

§ § § § §

FROM THE STATE FARM NEWSLETTER - Car accidents are no laughing matter, but occasionally a person's description of what happened might be. Here are some actual statements from insurance claim forms:

-- "The pedestrian had no idea which way to run, so I ran over him".

-- "In my attempt to kill a fly, I drove into a telephone pole".

-- "The guy was all over the road. I had to serve a number of times before I hit him".

-- "I had been driving for 40 years when I fell asleep at the wheel, & had an accident".

In case you were wondering, yes, I am leading up to something. Drive carefully over the long week-end -- I want everyone back safe & sound!!

§ § § § §

Enjoy the Holiday!!

TWIG-BENDER

Vol. 5 -- #68 - July 1, 1987
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Land. Arch.
Editor: J. Scott Hopkins

THIS WEEK - JULY 6-10

WED - Summer Field Day - Becker, 8
a.m. - 5 p.m.

THR - Summer Field Day - Morris Exp.
Sta., 8 a.m. - 5 p.m.

- Horticulture Night - Morris Exp.
Sta., 6 p.m. - 9 p.m.

WELCOME BACK to Jane McKinnon
from Morocco!

* * * * *

CONGRATULATIONS TO OTTO
ANDERSON for placing fourth in the
U.S. National Orienteering Championship
in Santa Cruz, California. We hear
that steep gully terrain was abundant
and tree roots came in handy (first
place went to a local).

* * * * *

SEMINAR SCHEDULE FOR CORN
BREEDER - Candidates for the corn
breeding position will present seminars
according to the following schedule:
July 6 - Mario Carlone (Iowa State),
"The Genetic Stability of Partially
Inbred Lines of Maize After Several
Generations of Reproduction;" July 7-
Steve Openshaw (DeKalb-Pfizer),
(unannounced topic); July 13 - David
Baltenberger, "BYDV Tolerance:
Inheritance and Recurrent Selection
Studies in Oat Populations." All
seminars will be conducted from 8:30-
9:30 a.m. in 306 Borlaug.

* * * * *

SHARPEN YOUR DEFENSIVE DRIVING
SKILLS - A 2-hour refresher course in
defensive driving will be held July 22,
9-11 a.m., in 45 Nicholson Hall. This
course is intended for occasional Dept.

drivers of University vehicles (those
who drive less than 8 hours per week)
and should be attended at least every
other year. Please sign up by mail via
Debbie Richardson, Office of
Emergency Management, B-1 Morrill
Hall.

* * * * *

IN CASE OF ACCIDENT involving your
University vehicle, do you know what
information to collect? Vehicle Fleet
Services has prepared a brochure
entitled, "Accident Reporting/Proof of
Insurance" which should find its way
into all University glove compartments.
If you need a copy, please contact
Fleet Services at 625-8020 or 625-3033.

* * * * *

NEW PUBLICATIONS: Distribution of
Abscisic Acid in Maize Kernel during
Grain Filling by Robert J. Jones and
Mark Brenner, Plant Physiol. (1987) 83,
905-909.

In Vitro Sugar Transport in Zea mays
L. Kernels by Stephen M. Griffith,
Robert J. Jones, and Mark L. Brenner,
Plant Physiol. (1987) 84, 467-471.

* * * * *

NEW PUBLICATION FROM IOWA
STATE - Plant Biotechnology:
Somaclonal Variation. If interested in
obtaining a copy, send \$7.00 prepaid
to: Darlene Kauffman; Agronomy Dept.;
Iowa State University; Ames, IA 50011.

* * * * *

!! OVER - OVER - OVER !!

A BELATED WELCOME to Mrs. Junping Chen who joined our department in March. Mrs. Chen comes from the Academy of Agricultural and Forestry Science of the Hebei Province of China and is working in Dr. Stadelmann's lab on a joint project with Dr. Ed Sucoff (Forest Resources) on toxic effects of aluminum to plant cells.

* * * * *

CONGRATULATIONS to Mohamed Mansour. He recently passed his written PhD. Mohamed is working with Dr. Stadelmann on varietal differences to salt tolerance at the cellular level.

* * * * *

ARBORETUM CLASSES - "Capturing the Arboretum in Watercolors" (July 10-15) and "Roses - Growing Them Right" (July 10) will be offered. Contact Janis Kieft at the Arb for more info: 443-2460.

* * * * *

HORT HORRORS won 23-5. Could this be a winning streak?

* * * * *

"I am learning to resist the media hype and peer pressure that would make me think I need more than I have - or want more than I need."

- Martha Niemann

* * * * *

!! Have a good week !!

TWIG-BENDER

Vol. 5 - #69 -- July 10, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Laura M. Kalisch

THIS WEEK - July 13 - 17

- WED - PhD Thesis Seminar - "A Study of Factors Affecting Growth & Cold Acclimation of Vitis Callus Cultures" - presented by Deng Lingyi, 9 a.m., 394 AlderH
- Consultative Committee, 10:30, 398 AlderH
 - Summer Field Day - Crookston
- THRU - Summer Field Day - Grand Rapids

ARBORETUM CLASSES: Minnesota's Original Vegetation -- Identifying, Protecting, & Restoring - 10 a.m.-noon; 1-2 p.m., Thursday, July 16. Fee: \$12 members/\$14.50 non-members

Using Mulches in the Garden & Landscape - 10 a.m. - noon, Thursday, July 16. Fee: \$6 members/\$8.50 non-members

Vines in the Minnesota Landscape - 10 a.m. - noon, Saturday, July 18. Fee: \$6 members/\$8.50 non-members

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ITEM FROM POPULAR MECHANICS, August 1987 issue: Soil's Heat Protects Trees -- Frost action can destroy whole groves of citrus trees. So Associate Professor Lawrence Parsons of the University of Florida has devised a way to protect the lower part of a tree by extracting heat from the soil. A metal rod (see illustration on back) conducts heat between the Earth & a tree's budunion (the graft junction between the rootstock & scion). An insulating wrap made of fiberglass & foil surrounds the stake & trunk. Parsons & his colleagues have achieved a 3-7°F warming with the simple system & are currently testing how stake thickness, root depth & other factors affect tree protection. Simple design & readily obtainable materials can now save young trees.

§ § § § §

2 BLACK KITTENS are available from the famous HRC blood lines. One male & one female. Call Dave Bedford at 474-6886 if you'd love one.

§ § § § §

"Technological progress is like an axe in the hands of a pathological criminal" . . . Albert Einstein

§ § § § §

THE SYMPOSIUM on "Grain Legumes as Alternative Crops" is fast approaching. Registrations need to be in next week so we can plan the meals. Faculty & students from the University can register for \$50 instead of \$150. This fee includes 3 meals & the proceedings. Grad students may receive the proceedings & attend the presentations without meals for a fee of \$20. Register with Cathie Bergum in Extension Special Programs (5-2722).

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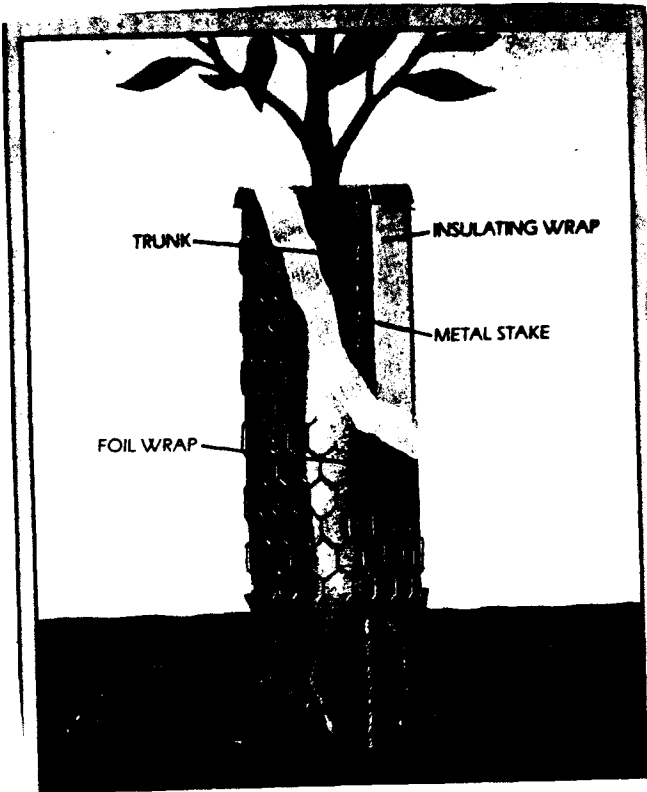
THE FOLLOWING students were elected to serve as graduate student representatives for 1987-88: President - Brian Corr; GSC Representatives - Neil Anderson, Julie O'Leary, Cheryl Engelkes (alternate); COGS Representative - Chad Finn; Seminar Committee - Phil Allen; Faculty Meeting Representative - Marcy Taylor; Computer Committee - Gregg Kerr; Social Committee - Cynthia Fellmen & Julie Padrutt. A hearty congratulations to all.

§ § § § §

2 IN A ROW -- The Hort Horrors garnered their 2nd win this season, officially by forfeit & unofficially 11-5 over the Mad Dogs & Englishmen who had too few women. The teams commenced a pick-up game after Mary Maclaughlin & Bridget Ruummele volunteered to play with their opponents (who were mainly from the Vet Med Department -- it's probably good they didn't discover pitcher Bud Markhart's true identity). Dave Larson, Dan Olson, Mike Bartolo, & Korise Rasmusson smashed out long drives, while Bud's switch-hitting & Paul Birnberg's directed pokes kept the outfield guessing on where to play them. Everyone contributed well defensively, including Susan Stombaugh, Kirk Pomper & Barb Maack-Larson.

§ § § § §

!! Have A Good Week !!



PM ILLUSTRATION BY GEORGE REISECK



"I don't believe it. They put me on hold."

TWIG-BENDER

Vol. 5 -- #70 - July 17, 1987
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Land. Arch.
Editor: J. Scott Hopkins

THIS WEEK - JULY 20-24

TUES -Special Seminar - "Gene Expression of Patatin, a Major Protein in Potato" - presented by Michael Bevan, 8:30 a.m., 306 Borlaug Hall

CONGRATULATIONS are due to Deng Lingyi who has successfully completed her Ph.D.!

* * * * *

ARBORETUM CLASSES: Sumi-E, Japanese Brush Painting - Sec. I: 9:30 a.m.-12:30 p.m.; Sec. II: 1:00 p.m.-4:00 p.m. Mondays, July 20-August 31. Fee: \$56

Controlling Weeds in the Lawn and Garden - 10 a.m.-noon; 1:00-3:00 p.m., Wednesday, July 22. Fee: \$12 members/\$17 non-members

Native Shrub Identification - 10 a.m.-noon, Thursday, July 23. Fee: \$6 members/\$8.50 non-members

* * * * *

NEW DEPARTMENT HEAD of the Department of Agricultural Engineering will be Dr. George R. Foster, beginning in early September. Dr. Foster is currently with the USDA/ARS Nat'l Soil Erosion Research Lab at Purdue.

* * * * *

SAVE SEPTEMBER 23-24 for this year's departmental retreat. We will be looking at improving our courses by incorporating newer teaching methods.

* * * * *

PLEASE BE SURE TO RETURN the completed information form for the Staff Directory by July 21. If you do not have a copy of the form, please see Laura.

* * * * *

3RD ANNUAL HERB SYMPOSIUM, "Country Herb Days," will be held at the Arboretum August 18 & 19. On the 18th, speaker Artemas Richardson (landscape architect) will discuss design and plants in herb gardens. August 19 features speaker Linda Wells who will lecture on entertaining with hors d'oeuvres and canapes. Registration forms and further info is available by calling Theresa Mieseler at 443-2460.

* * * * *

DRAFT OF COA PORTION OF TASK FORCE REPORT is available for perusal by those interested and is located at the front desk, 305 Alderman Hall.

* * * * *

THE RURAL DEVELOPMENT ACT has been summarized in the "Public Policy Newsletter," which is the yellow form posted on the bulletin board in the back hall behind 305 Alderman. Those interested should check it out.

* * * * *

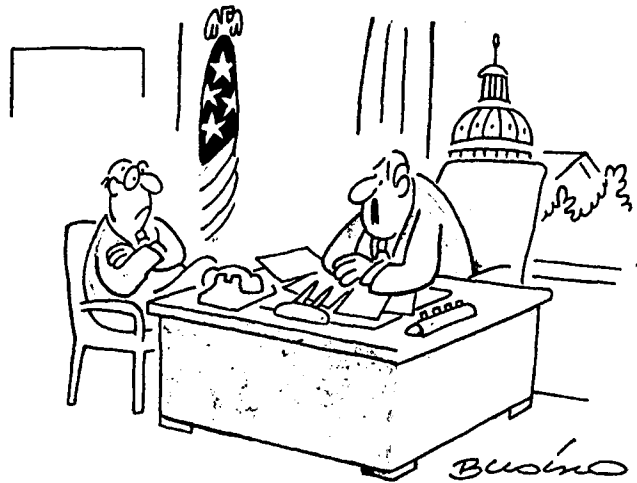
GARDEN PLOTS - Despite remarkable progress, - Marty Stahler and Sue Proudfoot need to have their garden plots cleaned up by Friday, July 26, or a roto tiller will be used to finish the clean up job.

* * * * *

!!OVER - OVER - OVER!!

HORT HORRORS HIGHLIGHTS - The Horrors narrowly missed landing another win Tuesday when the Anglers hooked them 14-9 in a close contest. Key hits were provided by Susan Stombaugh, Barb Maack-Larson, Dan Olson, Dave Larson and Mike Bartolo. Fearless fielding feats came from Rick Stapfer, Paul Birnberg and Korise Rasmusson. Kirk Pomper provided welcome relief both offensively and defensively, while Bud Markhart's pitching was so exact that catcher Bridget Ruummele needed to stop few balls going by the plate. Next Tuesday's game is at 5 p.m. on West Bank field #2.

!! Have A Good Week !!



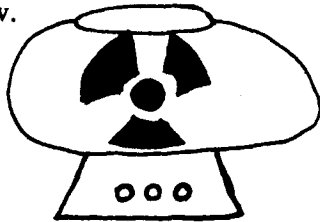
*"The problem, as I see it,
is that the voters and the taxpayers
are one and the same."*

TWIG-BENDER

Vol. 6 -- #71 - July 24, 1987
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Land. Arch.
Pruner: J. Scott Hopkins

LABEL EQUIPMENT USED IN PREPARATION OF RADIOACTIVE SAMPLES. It has come to the attention of Margaret Hibberd, the safety officer, that equipment such as centrifuges which are used for radioactive samples are not labelled and may be sent for repair or used by others who are not warned of the hazards. So please label this equipment to help protect your co-workers. An illustration, provided by Margaret, is printed below.



ADDITIONAL HUMAN BEINGS were welcomed to the planet earth by the families of Dr. Gus Hard (a third-time grandpa) and Karl Ruser (a second-time father). Karl's newborn girl, Kirsten Charlotte, weighed in at 8 lb. 8 oz. A somewhat heftier Andrew David Johnson joined the Hard family, measuring 9 lb. and 11 oz. on the natal scale. (So many cigars have been handed out lately that R.J. Reynolds stock has enjoyed a modest climb despite popular attitudes against smoking.)

PROFESSIONAL KUDOS HAVE BEEN BESTOWED UPON BERT SWANSON in the form of the American Association of Nurserymen's "L.C. Chadwick Educator's Award". Ceremonies took place at the 1987 AAN convention in Michigan. True to form, Bert told no one, forcing the Twig Bender to once again rely on its colony of spies. (Incidentally fellas, the money will be tucked behind the drainpipe in the usual fashion.)

GRAD STUDENT VOLUNTEERS are needed to serve refreshments to app. 200 members of the American Potato Association on Aug. 5, 5-6 pm, at the Landscape Arboretum. Here's an excellent chance to meet University & Industry people - and enjoy a MN picnic at no cost. See Dr. Bartz for details.

* * * * *

ARE YOUR RESEARCH ADVANCES ENCROACHED BY LEGAL IMPEDIMENTS? If so, you'll want to read the recently released Legal Framework for Scientific Inquiry at Public Universities, found in 398 Alderman.

"Progress in biotechnology has created significant opportunities for college and universities to attract research support from a variety of sources. These new relationships, along with progress in unique areas highly visible to the public, have necessitated increased awareness of legal issues." So writes Richard J. Sauer of the Agricultural Experiment Station. Sounds pretty convincing, so it might be worth while checking out. (Please keep it in 398 so others can find it also.)

* * * * *

TENURE, ANYONE? The position on tenure for the Dept. of Hort. and LA has been reviewed and approved at Morrill Hall. All tenured and tenure-track faculty should review the statement. If you haven't received a copy, one is on file in the Office of the Vice President for Academic Affairs. The Office encourages annual review of these "tenets of tenure" to improve clarity and completeness in the description of standards.

* * * * *

!!OVER - OVER - OVER!!

GRAPE GIVEAWAY - "Swenson Red" grapevines are being given away in the headhouse of the greenhouse. SR is a U of M release that yields high-quality (although seeded) table grapes and is hardy in most winters. The wine isn't much to speak of, however. Please return any pots should you take plants.

Cyndy Fellman submitted the above information with the note: "Edit at will!" Well, we've looked the thing over and, aside from that last sentence, it reads pretty good to us. Heck, let's leave it as it is. This isn't the New York Times, you know.

* * * * *

A SAMPLE TRAVEL REQUEST is posted on the bulletin board across from the mailboxes for grad students planning to attend the ASHS meetings in Orlando.

* * * * *

If this country can put a man on the moon why can't it produce a seedless watermelon?

* * * * *

STUDENT RESEARCH PROJECT DISPLAYS will be presented for the first time at "GrowerExpo '88," January 7-9. This is a great forum for researchers to present floriculture projects while landing sponsors, business relationships and add'l funding. Applications must be filed by August 30. If interested, see Laura for details.

* * * * *

Ben Bergman has left for New Zealand. Rumor has it that he will be operating a penquin farm down there but there is virtually nothing to corroborate this.

* * * * *

ROSE BY ANY OTHER NAME DEPT. Neil Anderson reports in HortScience that the genus Chrysanthemum contains only three annual species, while the newly classified Dendranthema

grandiflora includes over 7,000 greenhouse and garden "chrysanthemums". Readers are hereby put on notice that "mum" is no longer the word. Not necessarily, anyway.

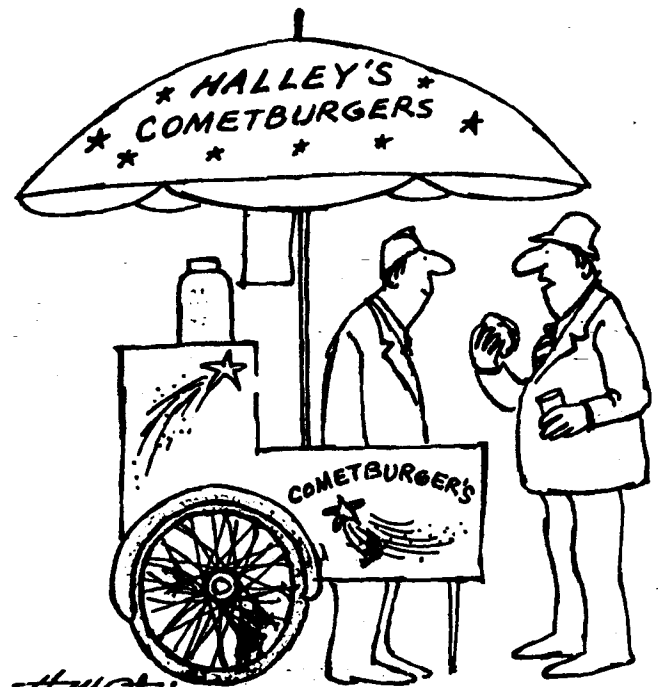
* * * * *

HORT HORRORS soundly trounced over over "PTL Rebirth", 27-4. Dave Larson made stupendous catches, Rick Stapfer pounded away at the plate, Barb Maack-Larson played magnificently, Teresa Nowak surpassed her usual high standard, and Al Ducommon offered a performance reminiscent of Killebrew. The only one we can't rave about is Bridget Ruummele who failed to financially conjoin this editor into a fit of hyperbolic creativity. Seriously, they all did very well. Of course it would be nice if we had somebody else's word on it.

* * * * *

The comic below is dedicated to the San Francisco entrepreneur who came up with the "Ollie Burger," named for Oliver North and consisting of lettuce, cheese, and hamburger - all shredded, natch.

!! Have A Good Week !!



"You have a good product and a great name, but what happens when the hubbub dies and the comet heads back into deep space?"

TWIG-BENDER

Vol. 6 -- #72 - July 31, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci & Land. Arch.
Editor: J. Scott Hopkins

OLD PHONE BOOKS - We know it may be difficult tossing a book aside which has your name in it, but the time has come to throw away those 1986 St. Paul phone directories while picking up your brand new 1987 copies.

Here's how: leave your old directories underneath the faculty mailboxes in Alderman by Tuesday, August 4, and pick up your new copies at the same time. The old directories will be picked up that night. What's more, you can rest easier in the knowledge that your old ones will be recycled, making it unnecessary to raze untold acres of this country's forest resources in order to maintain America's stockpile of paper towels and dixie cups. Whomever drops off the most directories may be eligible for the James Watt Stewartship Award.

By the way, don't forget to recycle your Twig Bender by tossing it in the nearest trash recepticle. After you read it, that is. Let's not get carried away with this thing.

* * * * *

ANYONE INTERESTED in trialling a potential new potted plant, please sign up on the sheet posted on the graduate student bulletin board. This is a wild chrysanthemum species, specimens of which are to be trialled in the home/office environment. There are both flowering and foliage types. Plants are yours to keep at the end of the trial.

* * * * *

DON'T FORGET TO mark your calendars for the "Tupperware demonstration" on August 20 at noon in 394 Alderman. This is, of course, a demonstration of Tupperware products, and not a demonstration against Tupperware, a really fine organization which provides income to hundreds of students trying to work their way through grad school by holding Tupperware parties.

* * * * *

CHILDREN'S GARDEN Open House is August 8-9, 12-3 p.m. at the Arboretum's Learning Center. There will be plenty of activities for children as well as awards for the largest, most attractive, and strangest-looking vegetable grown in the garden. Awards are not given for strange-looking children.

* * * * *

SPRING CLEANING IN AUGUST-Notwithstanding the seasonal disparity, Nancy Hinrichs and Dave Olson will be removing everything from Alderman 201 that "isn't tied down or obviously in use". Please remove your personal property as soon as possible or it could wind up on the garbage barge skimming the Atlantic seaboard. (It's embarrassing when your garbage is better traveled than you are.)

* * * * *

PAUL E. READ WRITES to see if anyone in these parts has his copy of Betsy Zimmerman's thesis. He thinks someone in the department may have borrowed it prior to his departure for the University of Nebraska. If you know of its whereabouts, please contact Dr. Read.

* * * * *

"ERRATA" - How we editors hate that word. It means that we goofed somewhere. In this case, the mistake occurred last week when we failed to point out that all faculty should have received a copy of the Hort Dept's "position statement" on tenure. If you were overlooked, please ask Laura for a copy.

* * * * *

!!OVER - OVER - OVER!!

GOOD TASTE DOES NOT EXCUSE SKULLDUGGERY so please be on the lookout for the thieves who have been pillaging the department gardens. It is truly amazing that people will stoop low enough to uproot our plants. (On the otherhand, how could they possibly dig them out without stooping?) Anyway, if you see suspicious-looking people in the gardens who are not members of the department, act accordingly. Shoot first, ask questions later.

(Ed. Note: Our attorneys have advised us to ask you to disregard that last remark. Another Bernard Goetz we don't need.)

* * * * *

THE MINNESOTA STATE FAIR is just around the corner and two faculty members are needed to represent the Horticulture Department at the College of Agriculture booth in the Agriculture-Horticulture building. Please register with Jay in Room 305 to sign-up. Staffing is needed on August 31, 1-5 p.m.

The University will present a separate exhibit in the Education building and similarly requests volunteers. Free admission to the fairgrounds will be provided to those who work a minimum of four hours. See Jay for details.

* * * * *

IMPORTANT PARKING INFO - Roger received a warning from the U of M Police Dept. to the effect that non-University cars, vans and trucks that park around the greenhouse and field plots will be ticketed. Take heed.

* * * * *

THIS HEADLINE LOOKS GREAT, DOESN'T IT? Unfortunately, we misplaced the story. Sorry.

* * * * *

LARGE PICNIC COOLERS will be needed for the PAA field tours, August 4. If you have one available in your

lab or at home, please advise Laura. Thanks.

* * * * *

HOW IMPORTANT IS HYPHENATION?

Ask Jane McKinnon. Upon receiving a letter proofed and corrected for her by Kathy Lloyd, she discovered the accompanying note: "I've corrected error. Would you please be kind enough to resign?" Chances are, Kathy really meant "re-sign". Don't clean out that desk yet, Mrs. McKinnon. We need you!

* * * * *

MANUSCRIPT FORMS must be included with all material sent to Signe Betsinger for publication, whether referred or popular. Abstracts and departmental staff papers should be included as well. Unlike before, Signe will only assign numbers to unpublished manuscripts.

* * * * *

SPICY HIGHLIGHTS - The Hort Horrors succumbed 14-6 to CSCC2 in the latest softball challenge, despite "dashes" of brilliant play. Susan Stombaugh, Korise Rasmusson, Rick Stapfer, Teresa Nowak, Dan Olsen and Kirk Pomper "peppered" the field with well-placed hits. Strong defensive action was served up by shortstop Dave Larson and outfielders Paul Birnberg and Mike Bartolo. Barb Maack-Larson used her quick running to beat out throws to first, while Bridget Ruummele decided walks were more her speed as she collected two of them on her way to scoring one of the runs. The pitching staff had a difficult "thyme" finding the strike zone in the stifling heat, even with "sage" advice "cumin" from fellow teammates. The Horrors will once again cook up "dill-igent" efforts in next week's "bas(e)-il assault" at 5 p.m. on the West Bank fields.

* * * * *

!!Have a Good Weck!!

TWIG-BENDER

Vol. 6 -- #73 - August 7, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & L.A.
Editor: J. Scott Hopkins

THIS WEEK - JULY 10-14

WED -Ice Cream Social at Arboretum, 5-8 p.m. Events: walking & tram tours, free ice cream. No gate fee.

TUPPERWARE UPDATE - There will be a demonstration of Tupperware for home and laboratory use on Thursday, August 20th at noon in 394 Alderman Hall. If you are unable to attend but are interested in purchasing some items, look at the catalog on the grad bulletin board and contact B. Liedl, 266 AldH.

* * * *

WALLY NELSON of the Southwest Experiment Station successfully underwent open-heart surgery Aug. 5 at Abbott Northwestern Hospital. We wish him the best.

* * * *

INSECTS HAVE THEIR PLACE in the world, but why do so many of them have to live around here? There are too many to suit Roger Meissner who's planning to spray 'em since they refuse to follow the behavioral guidelines outlined in the birth control pamphlets he's distributed.

Grads or "upperlevel-lowergrads" (?) who do not object on religious grounds should apply to Roger, who needs help spraying. The job requires 10 hrs/week and the pay is negotiable. Do your part for mankind. Annihilate a defenseless little bug today. You'll be glad you did.

* * * *

DISCOUNTS ON IBM HARDWARE are being offered researchers with "Nat'l Science Foundation" (NSF) grants. Qualifications: 1) the system must be used to meet part of the grant's computational requirements, and 2) at least 50% of the equipment's use must be for research. For further info, contact James Leach at IBM: 341-6317.

* * * *

4TH INT'L WATER LILY SOCIETY SYMPOSIUM is slated for August 3-7 of next year in Harrogate, U.K. A broad range of aquatic plant topics will be explored and MN researchers are invited to share their research via posters. If interested, write: Mr. Philip Swindells, Harlow Car Gardens, Crag Lane, Harrogate, HG3 1QB, United Kingdom.

* * * *

HORT HORROR HIGHLIGHTS- A softball triumph occurred Tuesday as the Horrors eeked out an 11-10 win over Big Daddy (and they were BIG!). Dan Olsen smashed out a grand slam homerun, while other searing hits were produced by Dave Larson and Teresa Nowak. Bridget Ruemmele continued her walking streak in all 3 at-bats. Outfielders Al Ducommon, Rick Stapfer, Mike Bartolo, and Barb Maack-Larson were busy snaring long drives all evening, which they did quite successfully. Paul Birnberg's strategy pitching stymied the opponents' efforts. Korise Rasmusson's strong showing at second base included catching the final pop-up of the game, stranding the tying run at first base. Next week's contest is at 5 p.m. on West Bank #2.

* * * *

PAA KUDOS - "The Potato Assn of America meetings were hosted by the Dept. this past week. I was especially impressed with the contribution made by graduate students. Their willingness to pitch in where asked was a significant factor in the good will generated from this high quality conference.

"Three lifetime honorary memberships were awarded by the Assn. All three honorees received part or all of their advanced training at the U!

"Special applause to Florian and Shirley for having their many hours of planning executed almost without flaws (who says plans don't work?!)"

- Jim Bartz

* * * *

A READER WRITES: "How come I always wind up with a Twig Bender which is missing printing on the back side? This has consistently occurred since I have been here and I have been here for a dog's age. Don't you like me or what?"

Ed. Note.: "Lighten up. Most people would consider it fortuitous indeed to be the lucky recipient of an incomplete Twig. As far as we can make out, this appears to be an amazing example of good luck on your part. What sign were you born under?"

* * * *

!!Have A Great Week!!
(Don't panic - there's just one side this week.)

TWIG-BENDER

Vol. 6 -- #74 - August 14, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci. & L.A.
Editor: J. Scott Hopkins

LEON C. SNYDER 1908 - 1987

On August 8, 1987, a perfect summer day in the out-of-doors he loved, Dr. Leon Snyder left northern gardening to his family, his friends, his students and people all over the world with whom he shared his life.

Leon Snyder's academic accomplishments and professional honors were bountiful, including the direction of the University of Minnesota Department of Horticultural Science from 1953 - 1970.

For many, however, Dr. Snyder's most tangible accomplishments are found in the rolling acres of the U of M Landscape Arboretum, which he directed from its inception in 1958 until his 1970 retirement. Here, where crabapples bloom in May, prairie grasses wave in the summer sun, maples blaze each fall, and winter snows whiten pines and firs, visitors and workers alike may enrich themselves in the legacy of his partnership with nature.

From a dream he first shared with a few garden friends, and thought impossible by many, Leon Snyder enlarged Minnesota's vision enough to inspire hundreds of people to be generous with their time and resources. The handsome Snyder Educational Bldg., the superb Andersen Library, the exciting research plantings, and the many habitats for ecological associations in an expanse of natural beauty are the results.

Another legacy left by Dr. Snyder is the scholarship he inspired in others. Even while advancing scientific inquiry through his own research, he challenged and encouraged colleagues and pupils alike with his insight and kindness, while shaming sluggards by his very industry.

His personal garden served as an inspiration to visitors to the Snyder home. By his example, Leon Snyder created visions of soft lawns, gracious trees and bright flowers for those needing inspiration and encouragement. So admired was Dr. Snyder that, for years, people would ask travellers from the St. Paul Campus, "And how is Leon?"

On August 8, then cracked a noble heart.

- Jane McKinnon

* * *

RETREAT MOVES FORWARD

Attention faculty and grad students: Please reserve September 23-24 for our annual departmental retreat. This year's subject: improving our classes by improving teaching. The retreat will begin on campus, then move to Riverwood Conference Center, near Monticello. More details will follow.

* * *

MUTANT PLANTS

Dr. James Bartz has been cautioned by Farm Shop that an intimidating weed growing outside of his office window at Alderman Hall will have to

be destroyed before it goes to seed.

Reproduction by this horrific eyesore could pose a threat to the civilized world (which presumably includes the St. Paul campus) and the sooner a "strategic strike" is carried out against it, the better.

Trouble is, no one can quite identify it. No matter how ominous the threat, we just can't authorize removal by the Farm Shop until we find out what this thing is. In the words of Dr. Bartz, "If they name it, they can have it."

Weed experts are encouraged to identify this incidious growth, but please be quick about it. We might have a man-eater on our hands.

* * *

AND NOW A VERY DULL ANNOUNCEMENT

"The fans on the fourth floor of Alderman will be shut down at 10 a.m. today (August 14) for six hours in order to repair a crack in the unit." Rest assured that things will be set right by our resident team of experts. By the way, does anyone know what we did with the Crazy Glue?

* * *

CONNUBIAL BLISS

It's in the offing for Hort grad students Barb Fick and Chad Finn who will exchange their matrimonial vows August 15 in Winona. We extend our best wishes to two of our

!!OVER-OVER-OVER!!

favorite Hort haunts (Barb's working as "Summer Extension Specialist" in St. Cloud).

A wedding gift was presented to the couple by Joan Conrod, Gary Heaton, Barbara Liedl, Kirk Pomper, and Marcy Taylor in piecemeal fashion. Clues strategically placed in Alderman and its environs lead Chad to the greenhouse, the 3rd floor ladies room ("go to the third floor flush though it may cause you to blush"), and finally the director's office. When the retrieved components were assembled, Chad found himself with a dandy wheelbarrel. "This is just what we need!" enthused the husband-to-be. (Now, we may be accused of being overly sentimental, but doesn't the groom usually carry his bride over the threshold?)

* * *

PUT A LID ON IT

Don't forget the Tupperware demonstration on Thursday, August 20 at noon in 394 AldH. Bring your lunch and look at the new products for use in home and the lab.

* * *

PFEWT!

Could your project use a small freezer? We know where you can get one - FREE. Well, you're right...nothing is free. There is one catch: it needs to be cleaned. Dave Olson discovered this freezer several months ago. It had lost power and when he walked by he smelled something awful. When he opened it up you can only imagine what he saw. He plugged the freezer back in, and now it contains a frozen version of what he saw

earlier. If you are interested and willing, please see Dave.

* * *

DIRTY WORK

Dave and Nancy have been bestowed with the honors of cleaning 201 AldH. To this, they make no objection. However, they warn that when it comes to cleaning, they are merciless. Therefore, if you have a strong or even a slight attachment to anything in Room 201 outside of a growth chamber, they suggest that you find a proper home for it outside the room. Large items such as plants and soil carts should be clearly labeled with your name and a recent date. They will not be keeping track of what round file, charity, or charity case they donate the items to.

* * *

WE MOURNFULLY note the passing of Dr. Alfred C. Caldwell, who died August 13 of a heart attack. Dr. Caldwell, retired, worked for the Soils Department for many years. A memorial service will be held on Saturday, August 15, 4 p.m., at St. Anthony Park Congregational Church.

* * *

REALIZE LESS THAN YOUR FULL POTENTIAL

If you like to throw your weight around at work you may be eligible for the "Weight Watchers at Work" program. This "nutritionally sound" food plan begins August 19 in R375 VoTech. The cost is \$65.00. (Current members only have to pay \$56 since they've already been through enough punishment.)

It's a hugely successful program which works wonders. One member lost so much weight she actually disappeared, although it was rumored that she bought a crate of potato chips and flew to Bermuda. We don't know for sure. Either way, it sure sounds like a great deal to us.

* * *

ADOPT A MATTRESS

Rhoda Burrows is looking for foster homes for the following items for the period of 9/87-9/88): 4-ft. Norfolk Island Pine; Kitchen table/chairs; 2 occasional chairs; small desk; typewriter stand; end table; full size mattress; and 4-drawer dresser.

If interested, see Rhoda in 320 AldH or call 4-3729/645-9691 before August 23.

* * *

"MOST OF WHAT I NEED TO KNOW about how to live, and what to do, and how to be, I learned in kindergarten. Wisdom was not at the top of the graduate school mountain, but there in the sandbox.

"These are the things I learned: Share everything. Play fair. Don't hit people. Put things back where you found them. Clean up your own mess. Don't take things that aren't yours. Say you're sorry when you hurt somebody. Wash your hands before you eat."

- Robert Fulghum,
Church and Public Education

!!Have a Great Week!!

TWIG-BENDER

Volume 6 -- #75 - August 21, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci. & L.A.
Editor: J. Scott Hopkins

THIS WEEK - AUG 24-28

SAT - Dahlia Culture class. 10 am-noon, Arboretum, \$6 members/\$8.50 non-members

SAT/SUN- Iris Society of MN Rhizome Sale. 11 am - 4:30 pm, Arboretum

- Mpls Men's Garden Club Show. 11 am - 4:30 pm, Arboretum

WED - Horticulture Night at North Central Exp. Sta. (Walking Tours). 4 pm - 7 pm

STRIPPERS WANTED

No previous experience necessary. Please come to greenhouse F3 on Friday, August 28, at 1:00 p.m. to help Muggs Stahler and Mindy Salisbury strip dead leaves off of 510 strawberry plants. Liquid refreshment and snacks will be provided. Stippers of both sexes welcome! We need your help!

* * *

THE SECOND ITEM

Faculty who are interested in the 1988 Leadership Development Program sponsored by the National Center for Food & Agricultural Policy Resources for the Future, Inc. (NCFAPRF) should see Laura for applications.

* * *

FREE MONEY

Financial support for research in China is available from the "Committee on Scholarly Communication with the People's Republic of China". The visits are intended for scholars with a Ph.D. in the natural sciences and are short-term in nature (1-3 months). Support is also available for bringing Chinese scholars to the U.S. For information contact the China Center at: 624-1002. Applications must be post-marked by October 10.

* * *

GOOD LORD, MORE FREE MONEY

A relatively modest amount of research funding is available through the Grants-in-Aid Program of the Graduate School. "Relatively modest," they say - by University standards, this could amount to a substantial chunk of change so if you want part of the action, submit an application (by October 5) at 313 Johnston Hall. To make your pitch more persuasive, bear in mind that the grants are intended to "improve the quality of graduate education" and are not meant as sole support but as "seed money". (How much do seeds cost these days?)

* * *

CONGRATULATIONS to Rhoda L. Burrows for successfully completing her masters program. It was a long, arduous struggle but it was worth it to see her name in *Twig Bender*.

ATT'N FALL TEACHING

FACULTY: Evonne encourages you to submit class material at this time since she will have less time for it in the fall than usual, the office being minus a student worker. If you really want to make her happy, bombard her with piles and piles of work. Oh yeah, and give a short deadline. She'll be beside herself with ecstasy. Or at least something resembling it.

* * *

GETTING THE WORD OUT

The publicity game is hard work. Here's a publisher actually *soliciting* calendar items pertaining to landscaping in the golf, irrigation, horticulture, cemetery, turfgrass, seed/sod, and tree industries. *Landscape Management* is the name of the magazine. Submit info to Laura by September 15 for December publication.

* * *

ATTENTION NARCOLEPTICS

- Mary Hunsperger is selling a sofa and a single bed. She will be delighted to deliver it to the purchaser if you agree to let her rest in the thing after she unloads it. If interested, phone Mary at 647-0858. And you'd better let it ring a few extra times. She'll probably be getting in a few extra winks while she still has the chance.

* * *

CONGRATULATIONS TO DR. DAVID W. DAVIS on being designated a 1987 "Fellow-Elect" of the "American

Society for Horticultural Science". This honor recognizes significant contributions to horticultural science, the profession, and the industry; the recipient's institution; and his/her activities furthering the objectives of the Society. Dr. Davis will be honored November 9 at the annual ASHS Conference, in Orlando.

Additional newly-elected fellows include: Jackie D. Butler, Daniel J. Cantliffe, William H. Carlson, William J. Carpenter, Claude Hope, Larry K. Jackson, Dale W. Kretchman, Richard H. Mattson, J. Creighton Miller, Jr., Carlos A.M. Portas, John T.A. Proctor, Lawrence Rappaport, David W. Robinson, Allan K. Stoner, Roger D. Uhlinger and Barbara D. Webster. A hearty "well-done" to all.

* * *

ARBORETUM MANAGEMENT PLAN will be presented by Michael Van Valkenburgh on September 8, 7 p.m. at the Arb Aud. Mark your calendar so you don't forget. We're not implying that any readers necessarily *would* forget. It's just a figure of speech. Well, there may be one or two forgetful professors out there but we weren't thinking of any one in particular when mentioning the business about forgetting the September date. And even if we were, there's nothing that you can do about it. This country guarantees freedom of the press, doesn't it? What do you think America's first patriots spilled their blood for during the Revolution, anyway? The fun of it? Not hardly. (Anyway, don't forget.)

GRAND FINALE

The Hort Horrors finished their summer softball season by winning the first game and tying in the second game of a doubleheader Tuesday. Al-Ducommon led the batting onslaught with two home runs. Carol Lenz, Dan Olsen, Susan Stombaugh and Mary MacLaughlin contributed strong hitting performances. Kevin Lenz and Bud Markhart each struck out several batters during their impressive pitching performances. Despite the change in "specs", Rick Stapper's fielding opportunities sent her way, she performed well at the plate. Even Bridget Ruummele was finally given a pitch to hit her way onto base. And Paul Birnberg - what can we say about Paul, whose "distinguished" performance throughout the season included the extra duty of keeping the umpires in line, even if it meant getting ejected from the game to make a point. There was definitely never a dull or predictable moment with Paul around.

Now that softball is over until next spring, volleyball anyone?

* * *

Corrections

The item in last weeks Twig suggesting that old corn cobs could be recycled into attractive paperweights was incorrect. They make, in point of fact, very unattractive paperweights.

The reference to the skin graft on the tip of President's Reagan's nose was completely arbitrary and added nothing to the newsworthiness of the story. On the otherhand, it didn't hurt.

*

Barb Liedl was erroneously quoted as having said, "I will be giving away free Tupperware products to the first 200 visitors to my August 20 Tupperware Party." What she *actually* said was, "I will not be giving away free Tupperware products to the first 200 visitors..." We regret the error. The reporter was having a bad day, what can we say? At least she had a good turnout.

*

Despite the repeated statements to the contrary, the name of Alderman Hall is *not* being changed to: "Plant Land". The suggestion that plans were underway to create an amusement ride involving gigantic carnivorous plants was similarly in error.

*

Room 394 Alderman has *not* been booked for the "Harmonic Convergence" in 2087, although reservations are still available. Please limit your pilgrimage to 300 or we won't have enough coasters.

* * *

Have An Above-Average Week!

TWIG-BENDER

Volume 6 -- #76 - August 28, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci. & L.A.
Editor: J. Scott Hopkins

FAIRLY CONTENTED COWS

For the duration of the Minnesota State Fair, the only access to the St. Paul campus during fringe periods (5:30 p.m.-7:00 a.m. weekdays and continuously on weekends) will be at the intersection of Cleveland and Folwell.

PLEASE NOTE: This is a change from previous years when the access was at Boyd & Commonwealth. Buford Avenue, in front of the Student Center, will continue to serve as the exit from campus.

The purpose of these restrictions during fair week is to provide protection to University buildings and outdoor research areas, and promote general confusion.

An added benefit is that this action also prevents the U's livestock from cohabitating with the livestock in the Coliseum, and vice versa. All it would take would be for them to catch a glimpse of each other, cast those cow eyes, and we'd have a stampede on our hands. So the traffic restrictions will remain enforced. No matter what the animal rights activists have to say about it. Remember our slogan: "Herders, it's 10 o'clock. Do you know where your heifers are?"

* * *

HOW TO SURVIVE A NUCLEAR WINTER

Heating, air conditioning and hot water service will be halted for the entire St. Paul campus between the hours of 2 a.m. Sat., Sept. 19 and 6 p.m., Sun., Sept. 20 due to a temporary shutdown of the boilers in the Heating Plant.

It's important that you notify all members of your staff regarding this interruption in order to protect all personnel from injury and avoid damage to equipment.

If you anticipate problems resulting from the scheduled shutdown, or if you require temporary service during this period, please contact Juan Bartolomei immediately at Physical Plant Operations, 625-4372.

* * *

THE MEANING OF LIFE (SORT OF)

Without cell biology, life as we know it would not exist. In fact, we wouldn't exist. At least not as highly-intelligent, genetically complex personalities who shoot at each other on California interstates and who maintain a popular value system in which notoriety and celebrity become merged, to the point where yesterday's villain becomes today's cult hero.

Anyway, without cell biology, none of this would be happening. McDonald's would still be trying to sell its first hamburger and there'd be no one around to rehabilitate Tommy Kramer.

The members of the American Society for Cell Biology (ASCB) all agree that we're darn lucky to have cell biology on our planet. If you are a multi-cellular life form who agrees, you may wish to attend the Annual Meeting of the ASCB, held this year in St. Louis on Nov. 16-20. A list of symposiums being conducted at the meeting, along with an announcement

for the upcoming ASCB Summer Research Conference, is posted in the back hall.

The ASCB operates a computerized placement service for those seeking employment in their area of specialization. An application for this is also posted. But you'll have to act quickly. The deadline for registration for placement is Sept. 11.

* * *

WE GOOFED UP

After all the hullabaloo regarding the presentation of the "Arboretum Management Plan" in last week's *Twig Bender*, imagine our embarrassment when Shirley Fragale rang us up to report that we printed the incorrect time. The proper date and time of Michael Van Valkenburgh's presentation at the Arboretum is: September 8th at 3:30 p.m. (to be followed by ground breaking ceremonies for the new addition to the Andersen Horticulture Library at 5 p.m.).

* * *

IN MEMORIAM

We mournfully note the passing of Marion Johnson, widow of Albert Johnson. Mrs. Johnson passed away July 2nd.

* * *

SOAK THE FEDS

The USDA Cooperative State Research Service Grants Program has just announced deadlines for researchers interested in obtaining

funding. Applications in various research areas must be postmarked according to the following deadlines:

Plant Genetic Mechanism and Plant Molecular Biology - Nov. 2

Plant Pathology/Weed Science - Dec. 7

Molecular and Cellular Mechanisms of Plant Growth and Development - Jan. 8

Genetic and Molecular Mechanisms Controlling Plant Responses to Physical and Environmental Stresses - Jan. 8

More info regarding funding is available from Laura.

* * *

STRIPPING PARTY

Reminder: The Stripping Party is today, Friday, Aug. 28 at 1:00 p.m.! Please come and take part in the festivities and leaf removal. Refreshments will be served to all strippers. Marty Stahler and Mindy Salisbury will serve as your hosts.

* * *

Your Twig Bender: All the news that's fit to print and then some.

* * *

JUST ONE WORD: "PLASTICS"

Many thanks to all who attended the Tupperware party on Aug. 20. Those who ordered Tupperware need to pay B. Liedl by early Monday morning at the latest, since the Tupperware will arrive at that time.

* * *

FUN READS

New publications in *HortScience*:

"Gibberellic Acid Increases Flower Number in *Zantedeschia elliottiana* and *Z. rehmannii*." Brian E. Corr and Richard E. Widmer. *HortSci* 22:605-7.

"'Redwing' Raspberry." J.J. Luby, E.E. Hoover, D.S. Bedford, S.T. Munson, W.H. Gray, D.K. Wildung, and C. Stushnoff. *HortSci* 22:681-2.

Reminder: Registration for the ASHS meetings in Orlando must be in by Sept. 1 or else there is a penalty.

* * *

TREE VIVISECTION

Contribute to the construction of a high-profile artpiece while getting paid for the privilege. The Walker Art Center needs three students experienced in wood or woodworking to assist British artist David Nash in creating a sculpture for the WAC's outdoor sculpture terraces.

Most of the work takes place in the Taylors Falls area and will involve the felling and sectioning of one or more trees and subsequent shaping and joining of sections before shipment to the WAC for reassembly. Compensation includes a salary of \$5.75/hr and a shot at immortality.

* * *

HORRORS UPDATE

No game transpired last week. Accordingly, the Hort Horrors got nothing off to a flying start as they didn't hit a series of home runs that nearly landed them a place

on page 387 of the *Guinness Book of Sports Records*.

Paul Birnberg did *not* swing the bat in a fashion that would have put Hank Aaron to shame. Good news for Hank! Rick Stapfer's fielding was a sight *not* to behold. Absolutely nothing got past outfielder Dan Olsen, as nothing was hit. Bridget Ruetemele tore across the field like she has never done before. Or since. Or even at the time, actually. Awe-inspiring pitching was *not* contributed by Susan Stombaugh, who was doing something having nothing to do with baseball at the time.

Honorable mentions go to Bud Markhart and Kevin Lenz who, along with the rest of the team, were not within six miles of a baseball diamond all week and have not really given the subject much thought since participating in the last game of the season two weeks ago.

It's this total commitment to whatever they happen to be doing at the time that make the Hort Horrors the legends they are. We doubt that another team will ever match their reputation for precision teamwork and solid professionalism before they actually play another game.

Next week: the Horrors do not square off against the Minnesota Twins in a first-time-never challenge to the major leagues.

* * *

When you visit the Fair, don't forget to visit the College of Agriculture booth in the Ag-Hort Bldg. and the U's exhibit in the Educ. Bldg.

Have A Top-Notch Kinda Week!

TWIG-BENDER

Volume 6 -- #77 - September 4, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci. & L.A.
Editor: J. Scott Hopkins

RETREAT REMINDER

Faculty and Grad Students, please return your retreat letter to Deb Brown ASAP. We need to reserve enough rooms. Also, please return the gold Sunrise form directly to Bonnie Pechtel, COA, with your reservation for a space in the writing portion of the retreat. Questions? Contact Deb at 4-7491.

* * *

READ THIS BEFORE YOU GET SICK

Open enrollment for the State Insurance Plan is in progress until Sept. 30. Changes will take effect Oct. 1 for most employees, Oct. 12 for those paid on biweekly payroll.

The State Insurance Plan Information Fair will be Sept. 23, 11 a.m. - 2 p.m., North Star Ballroom, St. Paul Student Center.

* * *

Brenner's Law of Office Geometry: Any horizontal surface is soon piled up.

* * *

HOW TO WIN MONEY AND INFLUENCE PEOPLE

Faculty and grad students wishing to serve as mentors to budding horticulturists in secondary school are encouraged by the Nat'l Science Foundation to apply for funding through their "Young Scholars Program." Projects should indoctrinate susceptible teens to the delights of careers in hort sci and help mold their educational goals. Some might

see this as brainwashing, but, metaphorically speaking, we prefer "planting the seeds of knowledge," or even "fertilizing young minds." (In retrospect, perhaps "brainwashing" is more appropriate.) Whatever you want to call it, the deadline for submitting your proposal is Oct. 1. Jay in 305 has more details although he's rather reluctant to go into it.

* * *

NEATNESS COUNTS

If you're like most of us, you keep a "junk drawer" at home in which the rubber bands are stuck to the Scotch tape and the thing you're looking for is conveniently hidden from view by a mangled collection of unsafe electrical cords, and coasters commemorating the World Exposition of 1965 which you accidentally won in a coin toss at the church bazaar when you were really trying for the silver cigarette lighter.

On the other hand, when was the last time you wrote the Chemical or General Storehouse for something and got the reply, "Sorry, we can't find that stuff but we *did* find a chain of old paper clips you can have"? Never, we bet.

Here's your chance to find out how these guys keep everything in its proper place so that they can find it when you need it. Chemical and General Storehouse are having an "Open House" Sept. 16 - 17, 11 a.m. - 4 p.m. Neat stacks of brand new products will be on display

and tours will be conducted in an orderly fashion.

The Chemical Storehouse is located at 2812 Fairmount St. SE, Mpls and General Storehouse is at 2901 Talmage Ave. SE, Mpls. For further info: 624-4878.

* * *

There will be no mention of the Aug. 20 Tupperware Party this week.

* * *

DATA BANKROLLING

Grad Students are encouraged to apply to the Keller Grant Program for up to \$1000 in computer service support for thesis work. For further info, contact Lawrence Liddiard, Computer Grants Committee, at 625-4016.

* * *

OFF AGAIN, ON AGAIN

The utilities shutdown has been rescheduled to take place from 3 p.m., Sept. 8, to 6 a.m., Sept. 10. Please notify all staff members that heating, air conditioning and hot water service will be halted by a boiler shutdown at this time. Once again, if you have a serious objection to this time period or if you will require emergency power during the period, contact Juan Bartolomei at 625-4372.

But please don't ask them to reschedule unless you have to. We don't want to print an update about this in the *Twig Bender* every week.

Please see reverse side

IT PAYS TO KNOW STUFF

The September issue of the National Science Foundation Bulletin has just come in and is posted in the notorious "back hall". The Bulletin provides monthly news about NSF programs, deadline dates, publications, meetings, and sources for more information. And goodness knows, you can't have too many "sources for more information." Information is power and when it comes to *Twig Bender*, we seem to be experiencing a power shortage of our own this week (see previous item).

* * *

STREET SMARTS

Sonja Maki submitted an item found in this month's *Park Bugle* concerning the origins of St. Anthony Park street names. Here's background on just a few of them:

Como: Turns out that this street was not named after the "Como-Raymond Standard" station but rather a lake in northern Italy which, not surprisingly, was also named "Como." A local real estate baron by the name of McKenty lifted the name in order to persuade potential buyers that living next to Lake Como in St. Paul was as good as living in Italy. Few were convinced, but the name stuck.

While **Burton** was named for Leroy Burton, former president of the University of Minnesota, **Bourne** was named after a former clerk for the Dept. of Public Works (which decides such things as what to name streets), proving once

again that it's not what you know but who you know.

Eustis is the namesake of Sam Eustis, who had a farm directly west of this street. His neighbor to the east was a Mr. Pavodopoulos. It was no contest.

Dakota was named after the state of Louisiana. No one's quite sure how this happened.

Pick up a *Park Bugle* for more trivia along these lines. (We don't know what the *Bugle* was named after. That's hardly surprising, since we're still trying to figure out what *Twig Bender* means.)

* * *

PUMPKIN PITCH

With Pumpkin Pumper Brian Smith working in South Dakota this fall, there is considerable concern in Alderman this season concerning the source of the "great pumpkin" traditionally on display in the front office. In years past, people have actually gone out of their way to come and see this annual exhibit. A few *talk* to it. We are particularly concerned about disappointing *these* people. In short, we want a big pumpkin. Any takers?

* * *

PEOPLE ARE NUTS

Lots of funny stuff happens around Alderman every week, don't ya know, you betcha. Last week, for example, two professors said with straight face: "We have had streaking in the mum fields for years."

(Neil Anderson claims to have heard this. We ask, "If this is true, why haven't we seen a provocative photo in the *Daily*?") Neil also allegedly witnessed the sorry sight of a person familiar to most of us who, upon seeing the bike he rode to Alderman surrounded by skunks, decided to take the coward's way out and walk home. (We'd give his name, but why make a big stink outta this?)

* * *

ANNEX AND CONQUER

Admiring the marketing smarts used by the (former) *Minneapolis Star and Tribune*, which recently changed its name to a more generic *Star Tribune: Newspaper of the Twin Cities* in order to increase its circulation base, the newsletter you now hold in your hands will make a self-indulgent, overly hyped debut next week as *Twig Bender: Scourge of the Twin Cities*. Our public relations people refer to this as a "soft-sell" tactic. We don't know about all that. We just hope we can boost circulation without resorting to color photography and feature stories on Madonna.

Next week in Scourge of the Twin Cities: Things that happened in St. Paul which happened in Minneapolis just the week before.

* * *

Have a Safe Labor Day Weekend!

TWIG-BENDER

Volume 6 -- #78 - September 11, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci. & L.A.
Editor: J. Scott Hopkins

HOW TO BE A MOVER AND/OR SHAKER

The Twig Bender is very useful to those who like to arbitrarily serve notice, for it acts as a mode of declaration, legitimizing a plethora of unpleasantness and general inconveniences. "Well, we warned you about this in the newsletter," the instigators of these acts self-righteously reply to the question, "Why didn't you tell me to wear a wet suit?" or "How could you throw it out? The thing was 4000 years old and we promised it to a friend in Istanbul?" This is all based on the outlandish assumption that everyone faithfully reads Twig Bender each week. A startling hypothesis, it nevertheless serves as a convenient alibi to officious plotters and saboteurs.

All of which serves as a preface to the following three duly-posted announcements (and don't say you weren't warned!):

THERE IS NO NEED TO PANIC (WE THINK)

How's this for annoying everyone in one fell swoop? During not one, but two days (Sept. 22 and 23), the fire alarm horns will be blaring, beginning at 10:00 a.m. What worries us is that the memo sent to us concerning this says nothing about when the alarms are scheduled to stop.

One can't help but wonder why these teeth-gnashing affairs are always scheduled when the most people are bound to be within earshot. They never take place after

4:30 p.m., or even at noon, when fewer people would be affected. This is not so surprising when you remember that these decisions are conceived by the same bureaucratic think tank which frequently waters the grounds in the middle of downpours.

As with the City's Civil Defense drills, there's only a slight chance that an actual conflagration will strike Alderman during the time that the fire drill is scheduled. But then again, it's always a possibility. Tell you what: if you suddenly find professors shimmying down the side of the building or grad students wrapping themselves in wet blankets, you should probably check into it.

FREEZER BURN

One thing you can't help but admire about the folks at Alderman is that we are eternally cleaning things out. This time, it's the ultra-low (-80°C) freezer in Room 201, which will be given an eskimo version of the white glove treatment Sept. 30.

If you have, say, a chicken pot pie (or something of even greater value) tucked away in this freezer, leave a "hands-off" notice in the box marked "Freezer," or else it will be moved to the relatively tropical climes of the -20°C freezer. Anything remaining in this second freezer will subsequently be tossed out on Oct. 7 (chicken pot pies the possible exception).

Reminder: most samples do not require -80°C storage. Please be sure that you need "ultra-low" temperatures before you put things in this freezer because space is, if you haven't already guessed, severely limited.

Please see Jeff Roguske or Greg Kerr if you need additional information.

OUTAGE OUTRAGE

You may recall that last week we warned of a utilities shutdown. This week, we announce a power outage that will take place throughout Alderman on Sat., Sept. 19 from 8 a.m. to 2 p.m. NOTE: THIS WILL NOT EFFECT THE GREENHOUSE. (Wouldn't it be great if they could schedule the alarm testing during the power outage?)

LIFE IN THE FAST LANE

Plans are tentatively set to instigate van service between the Twin Cities campus and the Landscape Arboretum (with stops at St. Thomas Chaska Education Center and the Freshwater Biological Institute). The van will depart twice daily and will transport mail and supplies in addition to human beings.

If this interests you, let Laura know so that the powers-that-be can better facilitate usage.

Please see reverse side

TAKE A JOB ON THE WILD SIDE

If you are an adventurous sort, intimidated by neither wild beasts nor the unpleasant characters sometimes found in personnel offices, you may wish to apply for the position of "Horticultural Curator" at the Minnesota Zoo. Knowledge and experience in both greenhouse management and tropical (green) plant care is desirable. The folks at the zoo say nothing about degrees, but Dr. Widmer says that a B.S. or M.S. "won't harm a bit." Please see Dr. Widmer for more details.

Remember, the Minnesota Zoo is inhabited by real animals. Not the kind you find on the Minneapolis campus. And not the incarcerated kind one can safely scrutinize at Como Zoo. These animals typically possess huge claws and sharp, pointy teeth that could really do a number on you if you got too close. On the otherhand, if you wanted to ferret out a safe but colorless existence you wouldn't have decided to devote your life to horticultural sciences. Would you?

Don't hesitate to apply for this exotic opportunity. If you happen to resemble a Beluga whale and answer to the name "Big Mouth," there's no way the Minnesota Zoo will turn you down.

* * *

TAKE A JOB ON THE WILD SIDE, PART II

For sheer visceral pleasure, working at the zoo has got nothing on working with beginning Hort students. If you've got what it takes, Dr.

Mullin has just the job for you: serving as T.A. for his *Hort 1021 - Woody Plant Materials* and *Hort 1100-Biology of Horticultural Production* classes. Interested students should check with either their advisor or Dr. Mullin by Fri., Sept. 18.

* * *

SAFARI, SO GOOD

Paul Birnberg surprised us all when he married Jane Plithal August 20, immediately before heading for the dark continent of Africa. They will return shortly, so when you see Paul be sure to say "Ugh dunna doo dei zwai gungha koo," which is Swahili for "How's the ball-and-chain?"

(A noble example of racism, sexism and sophomoric humor, all rolled into one offensive sentence! Will the author of this item please step forward?)

* * *

CONGRATULATIONS AGAIN

Newlywed Barb Fick has passed her Master's in Horticulture. Well done, Barb!

* * *

YOU AND THE NIGHT AND THE MUSIC

A "Music Night" is being planned for Monday, Sept. 21, at 7 p.m. A sign-up sheet is posted on the grad bulletin board. You may check off whether you will a) perform, b) listen, or c) both. (So far, no one has refused to listen - what a nervy group.)

Practice-up next week and come on over to Hudson for a night of music and pot luck dessert. A piano and accompaniment will be available. Spontaneous performances have not been ruled out, although there may be a few exceptions, pending review of Wisconsin's ordinances against noise pollution.

* * *

Your Twig Bender - With its finger on the pulse of the country, its ear to the ground, and its eye in every keyhole. . .well, you'd look ridiculous too.

* * *

FREE ART. TAKE PART.

All summer long, six local artists have been erecting sculptures along the St. Paul Riverfront off the Wabasha Bridge. Sun., Sept. 13, 2 p.m., marks the date for the free picnic reception. Come and take part in "Sculpture '87." Meet the artists. Listen to the live music. Talk pithily about how St. Paul is catching up with Minneapolis in the arts (too bad Mpls is no wheres near as good as NYC). Talk about all the junk left on Harriet Island after Riverfest ("Or are those the sculptures?"). Talk about anything. But go. You may never see such a talented assemblage of chiselers again this side of the new World Trade Center.

* * *

Have a Gangbusters Week!

TWIG-BENDER

Volume 6 -- #79 - September 21, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sciences & L.A.
Editor: J. Scott Hopkins

WEEK - SEPT 21-25

WED - Open Forum with
President Ken Keller,
12:15 pm, Bell Aud.

THR - Willaim A. Brun
retirement party,
Agronomy Dept., 3 pm,
306 Borlaug

* * *

Twig Bender is rather late this week because our mimeograph machine is on the fritz. We suspect that it may have been sabotaged by miscreants dissatisfied with recent editorial changes. In case the breakdown was actually the result of misuse, we suggest that you inquire at the front office if you don't know how to run the mimeo. We'll be pleased to demonstrate. In the meantime, we continue to exercise our constitutional right to publish, still going strong after 200 years - recent Supreme Court appointeeships notwithstanding.)

WINGING IT

Starving grad students who have been thrown out of one happy hour too many for not buying beverages while quaffing the free hors d'oeuvres are advised to investigate the culinary benefits to be derived from public speaking. Did you ever hear of a public speaker being roughed up because he refused to give a speech after having buried his face in the potato salad? Not likely.

Sources tell us that 78% of all public orators, whether presiding over political rally or wake, do so strictly out of concern over his/her stomach. That's why politicians from Maine to California regularly hit the "chicken wing circuit" and many, as in the case of Sen. J. Biden,

occasionally enjoy a generous helping of "crow."

A good place to inaugurate your career as a public speaker would be at the "Monday Night Discussions," now being organized by Jim Luby. Dream up a rousing topic involving some aspect of hort research and broach the matter to Jim. But be forewarned: plagiarism is not only dishonest, it could land you a career in public service or even journalism. Be original at all cost.

* * *

FOOL THE PLANTS

With the seasonal change in temperature, greenhouse sections will be running with side vents open and on the "cool" setting during the day, with vents closed and the setting on "warm" during the evening. Pumps for the aspen pads will be running from 10 a.m. - 5 p.m. Therefore, please make sure that on weekends the side vents are open before turning over to the cool setting. If you need instruction on the heating/cooling switch or the pad pump time clock, etc., please contact Roger Meissner, 624-3080. (You can usually find him in his Grhs office from 7-8 a.m.)

* * *

TWO WAYS TO ACQUIRE ENORMOUS SUMS OF MONEY

One way is by acting as the middleman between countries ostensibly at odds with each other, facilitating the shipment of arms from one to another. Simply mark-up your product several times over the wholesale price and you'll have more money than you can shake a subpoena at.

Another way to receive money is by applying for a fellowship from the National Science Foundation (NSF), which offers grants of \$12,300 to qualifying grad school applicants (including a special minority fellowship program). Less glamorous than gun running, this road to riches is perhaps more viable to our readers. Please check out the NSF material posted in the back hall for details.

* * *

BAG IT

A series of discussions for honors students and faculty entitled, "Knowledge: Around the Unknown Curve," will begin Sept. 25 with "What Every Grad Student Needs to Know," in 307 Coffman Union, 10:15-11 a.m.

Publicity promises that the discussion will address these questions: "What Am I Here To Learn?" (*Probable answer: "How to get an edge over the other guy,"*), "How Will the U Help/Hinder Me?" (*"In ways unimaginable,"*), and "When Will I Know Enough?" (*"About the same time that your student loans dry up."*)

For further info, please see the notice in the - by now quite crowded - back hall.

* * *

LET'S ROUTE EVEN MORE TRAFFIC TO THE BACK HALL

There will be an orientation for new grad students Fri., Sept. 25, beginning at 10 a.m. in Ald 394. New students will receive info in their mailboxes. Also, there will be a dinner at the home of Dr. and Mrs. Bartz, Mon. Sept. 28, for all grad students. Please sign-up on the bulletin board in the ever popular back hall.

Oh, and one more thing, anyone interested in going to the retreat in the dept. van should sign-up - guess where: *on the bulletin board in the back hall.*

* * *

CONGRATULATIONS

Dr. Mark Brenner & Dr. Robert Jones have been awarded major funding to study the regulation of corn reproduction physiology. Their proposal, "Role of Cytokinins in the Mediation of Kernel Sink Potential in Maize," impressed both CIBA-GEIGY Corporation and Imperial Chemical Industries sufficiently to obtain complete backing for the project. Congratulations to both!

* * *

SHARE THE GIFT OF KNOWLEDGE

Dr. Peter Ascher, 624-9762, requires a T.A. for *Hort 1010: Home Horticulture*. If interested, please see Dr. Ascher.

* * *

WHERE THE ACTION IS

Here's your opportunity to find out what's shakin' down in Central America. The Organization For Tropical Studies conducts a grad program entitled *Tropical Biology: An Ecological Approach*, in Costa Rica. Contact Dr. Frank Barnell at 625-4466 for further details. Also, there's a notice posted "you know where."

If you fear homesickness, relax. As the NRA chapter in Laredo, Texas insists on reminding us, Nicaragua is a scant 932 miles from the continental U.S., and Costa Rica is only a hop, skip and a jump from there. (The jumping comes into play when you find yourself caught between a band of Contras and Sandinistas.)

The tab for this thrill of a lifetime? Upwards of \$2500, but less if you are willing to pilot a plane down there for Southern Airlines. Check with Ret. Maj. Gen. Richard Secord for details.

* * *

BE WELL HEELED

If you've got what it takes - in this case a PhD, training in plant anatomy development, and a firm handshake - you may be eligible for a one semester position as "Plant Development Anatomist" at the U of Kansas. Further details in the back hall. Application deadline is Oct. 1. To increase your chances, click your heels together three times and repeat, "There's no place like Kansas."

* * *

NEW STAFF MEMBER KILLS BUGS

This headline, borrowed from a Sicilian newsletter, serves to introduce Patty Doyle, our new staff member at the Greenhouse, who can be found spraying the greenhouse plants every Monday and Tuesday evening. Stop by and say "hi." Before you go, Patty will even kill a bug of your own choice. Save them up at home and bring them by. Kathy will be happy to give them "what for." By the way, it will help her get at those little guys if you keep your greenhouse section free of debris and unwanted plants. If you have a specific problem with pests attacking your plants, let Roger know so that he can place them on the "hit list." (These guys have developed extermination to an art form.)

* * *

BUY MORE PAPERBACKS

Dave Olson, mindful of the fact that Alderman's bookshelves have been collapsing with greater frequency than usual,

offers a crash course in proper shelf maintenance. Check those shelves carefully. They should have heavy duty support brackets and be shelved with respect for the law of gravity. Remember, the life you save may be your own.

* * *

A Night of Music

There is still time to sign up for the Music Night. You may have been holding back to see who was playing what. Well, now there's a program (with lots more room) posted on the grad bulletin board (*reminder: this is located in the back hall - ed.*). Maybe you're just a little rusty. No worries! Marty Stahler was spotted with a dusty fiddle case under her arm.

If you think Hudson is too far away, remember, many people drive this distance on a daily basis. And our President, despite his infirmities, logs 6,287 miles each month, just flying to his ranch and back. What are you, some kind of wimp?

Sonja Maki will be happy to address any questions you might have. Maps available Mon. And don't forget, these maps can be used to the return trip, too. .just point it in the opposite direction.



* * *

After lengthy negotiations, Twig Bender is pleased to announce that real estate space in the back hall is available through our office. Att'n City Council: what better place to shift disreputable Hennepin Avenue "C block" business than Alderman, with patronage guaranteed? Sealed bids accepted through Sept. 25.

Have A Whiz-Bang Week!

TWIG-BENDER

Volume 6 -- #80 - September 25, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sciences & L.A.
Editor: J. Scott Hopkins

THIS WEEK - SEPT 28-OCT 2

WED -"Mystery" Seminar, 4 p.m.
(subject & place to be announced)

THR -Seminar: *Lignin configuration: a new perspective*, 3 p.m., 335 BorH

* * *

With the beginning of the new school year, we at Twig Bender get misty-eyed over thoughts of academic years gone by. Especially when we consider the psychological damage they did to us. The nights we chewed on coffee sandwiches in order to complete Parcival in time for the final in German Lit., the papers which were typed on the portable typewriter we were forced to use on the 16A which inexorably led us to our composition class and disgrace, the inarticulate prof's we tolerated and the unintelligible T.A.'s we could not. . .

The bowed heads on the bus, the protesters on the streets, the transients, the crush of humanity...oh, and the invigorating panorama of new ideas stirred by high ambition...boy, those were the days!

"School days," that's what we're talking about. Students with a vision. Students creating a niche for themselves. Improving the state of humanity. Or at least themselves. That's what the beginning of fall quarter is all about. The "can do" enthusiasm of the first week which loses its footing during midquarters and is all but swept away by the academic bulimia of finals.

If we can help in any way, ask us. That's what we're here for.

Okay, lecture's over. Assigned reading begins here:

NEW GRAD STUDENT ORIENTATION

Alright then, questions need to be asked and introductions need to be made. To aid and abet this effort, there will be a Grad Student Orientation meeting, Fri., Sept. 25, 2-2:45 p.m., 415 AldH, during which Dr. Bartz will speak on advisor/advisee relationships. All grad students are welcome.

Following, from 3-4 p.m., the entire department is invited to welcome new grad students during a social hour in the lobby. (The ratio of staff to students tends to be just about equal, so there's little reason to fear an uprising.)

Also, on Mon., Sept. 28, all grads are invited to the home of Dr. and Mrs. Bartz for dinner at 6 p.m. A sign-up sheet is located on the grad bulletin board in the back hall.

* * *

COFFEE HOUR RETURNS

Here's something to restore the quirk to your step and the twitch to your eye: caffeine, sugar and other stimulants (not the least of which are the chit chat, shop talk and idle gossip). Yes, it's the long-awaited return of Tuesday Coffee Hour, beginning Sept. 29, in room 394, usually at 9:30 a.m. (Due to staff meetings, coffee hour will be moved to 2:30 p.m. on the second Tues. of each month.) All faculty, grad students and civil servants are encouraged to join us each week.

Evonne will have charge of the sign-up sheet for treats. See her now and beat the rush. The first

12 signers get a free piggyback ride on her motorcycle. *This is an incentive?* - Ed.

While we're on the subject, the coffee fund needs replenishing. If you have any IOU's in 305, you'd better come up with the scratch, or we'll go decaf.

* * *

KNOCK 'EM IN THE AISLES

Ladies and gentlemen associated with Horticulture and interested in bowling with the Department team, please contact R.E. Widmer, 624-6701.

* * *

BERETS NOT INCLUDED

If you can read this, you must be acquainted with the English language, however casually. But can you speak French? (Don't tell us that you always order California wine in restaurants because you prefer it to French wine. We don't believe you.)

Here's an opportunity to receive quality instruction in French at modest cost: Int'l Ag is continuing its French language training program. Details are posted (in English) in the back hall, or as you would say in France, "le back hall" (we ain't so dumb). If you would prefer to avoid the back hall (and who wouldn't?) you can call 624-7438 for more info. *Bon chance!*

* * *

PROJECT HARVEST

Sept. 30th marks the day of the IBM Computer Fair at the St. Paul Student Center, Global Perspectives Room, 9 a.m.-3 p.m.

"Project Harvest," a telecommunications system designed for COA and

incorporating such state-of-the-art features as electronic mail, bulletin boards and conferences, user directories and file transfers, will be spotlighted at the show.

IBM will also demonstrate academic applications of its new System 2 microcomputer and to sweeten the deal, one will be raffled off. See bulletin board in the back hall for details.

* * *

WHO'LL BITE?

In the event that you don't happen to win IBM's raffle (above), IBM microcomputers can be ordered for department and college use (provided you can find \$) through Purchasing, with an add'l 4% savings over the Bookstore price. You'll receive direct delivery, too. Please see Laura for details.

* * *

IF YOU CAN'T WIN OR BUY ONE, TRY EARNING A PC

Apple, Inc. is in "Phase IV" of a \$1 million equipment grant to the University entitled "Project MinneMac." Hardware and software will be awarded to faculty who submit the most attractive proposals for innovative instructional software. Deadline for Phase IV proposals is Oct. 30. For details, please see the bulletin board in the back hall.

* * *

CHECK UNDER THE MATTRESS

Jim Luby needs this PhD thesis, missing from the library: *Chemical and physical factors influencing in vitro propagation of hardy deciduous azaleas (Rhododendron Spp.)* by Athanasios S. Economou. If you recognize it as that thing you've been kicking around your flat

all week, please dust it off and bring it to Dr. Luby posthaste.

* * *

NORWAY

By H. Wilkins

There is in this world a very special place.

The rocks, the sea do meet in this very special place.

Man came from the sea.

The earth came from the rocks.

It is all so very easy to see in this very special place.

The earth, the sea feeds man, in spirit and in fact.

The mountains, the fjords, the lakes

rise and are cut from the sea.

The spirit of nature is here to face and to see.

The sea and the rocks, the beginnings of life are here.

Nature humbles noble man.

Nature richly feeds man indeed, but nature better feeds the spirit in man.

Is this why these are of such a gentle,

kind and noble race?

In this very special place.

Dr. Wilkins recently returned after a rewarding sabbatical in Norway and Europe. - Ed.

* * *

PICTURE POSTCARD WEEKEND

There are no fjords, but southeastern Minnesota offers a majesty of its own at this time of year. If you'd like to tour the grape harvest on the Arboretum's "Autumn Harvest Tour," Sept. 26-27, please contact Audrey Beal at Travelways, 475-9975. Jim Luby will be your guide. But hurry, reservations must be made by 5 p.m. Fri.!

* * *

NEW IMPROVED WATER

Beginning Sept. 28, 1987, Lab 239 will no longer supply water

off the columns. Dave Olson has said that our new distilled water system is much better, so the second column wash may not be required. Please see Sharon Desborough if you have questions.

* * *

CAN WE SQUEEZE IT UNDER THE DOOR?

Reminder: Dial U Insect and Plant Info clinic will reduce its hours as of Oct. 1 to 9 a.m.-2 p.m., weekdays. These hours remain in effect through March.

* * *

WHAT'S KEN REALLY LIKE?

Experience life in the upper echelons of power by serving as a Civil Service Committee member and working with U prez Ken Keller on vital issues affecting CS staff. Memberships are by appointment only. Apply to John Felips, 624-9547, before Oct. 9 to qualify.

* * *

HOW TO GET A JOB: LESSON # 237

The American Society for Horticultural Society offers a placement service to grad students attending the ASHS Annual Meeting in Orlando in November. "Position available" forms (available from Jay) must be submitted by Oct.23.

* * *

A reminder: All notices intended for Twig Bender must be received by the Thursday preceding publication. All suspiciously wrapped parcels must be submitted by Tuesday in order to allow for inspection by the University bomb squad. Thanks for your consideration.

Have A Blindly-Ambitious Week!

TWIG-BENDER

Volume 6 -- #81 - October 2, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sciences & LA
Editor: J. Scott Hopkins

THIS WEEK - OCT 5-9

MON -"Writing" seminar with Ann Duin, 1-3pm, 125 Coffey

TUE -Grad Studies Cmte mtg, 8:30am, 398 AldH

- Seminar: *Pattern-based approach to the study of forest site quality*, David C. Hamlin, 9am, Green Hall

- Coffee Hour, 9:30am, 394 AldH

- B-day Party for Nancy, Bridget and Judy, 1pm, 435 AldH

- Sem: *Dehydration Postponement as a Mechanism of Drought Tolerance*, Albert Markhart, 4pm, 64 BioSci

- Sem: *Educational Visuals: Production/Presentation*, Dave Hansen, 491 BorH, 4pm

WED- Sem: *Eucalypt Ecology in SE Australia*, Michael Austin, 4pm, 313 Zoology

THR- Sem: *Purification and Characterization of Aspartate Amino-transferase Isozymes in Alfalfa Root Nodules*, 3pm, 335 BorH

- Sem: *Genetic Analysis of Conjugation in Gram Positive Bacteria*, Gary Dunny, 4pm, 70 BioSci

*

Editor's Preface: Due to irreparable image damage instigated, we're very much afraid, by Twig Bender, the by now most notorious "back hall" in Alderman will henceforth be referred to as "the front hall." The front hall, rejecting the tawdry appellation aforementioned here, will be referred to in future simply as "over there."

We hope this causes no confusion.

* * *

COUGH IT UP

Even as *Twig Bender* brazenly announces this week's "coffee hour" (see calendar) word reaches us that the drooling hordes expected to attend may find themselves being greeted

with the words: "Sorry - no food." That's right, no one has volunteered to bring treats. Hopefully, this news will inspire at least one reader to sign up with Evonne, otherwise it's going to get mighty crowded at the Hodson Hall snack machine on Tuesday.

* * *

NO CHARGES WILL BE PRESSED

Dr. Wilkins desperately needs supplies (i.e. scissors, ceramic containers, needlepoint holders, etc.) borrowed by students of "Floral Design." Please return wayward items at once. Thanks.

* * *

READ MORE ABOUT IT

Anyone interested in information regarding University Counseling Services of the Office for Student Affairs (discussed by Bob Seybold during new student orientation) should pick up literature on the grad mailboxes in "the front hall." (See *Ed's Preface*)

* * *

DOOLEY'S MUMS

Hort Club and Pi Alpha Xi invite the entire Hort Dept on an afternoon excursion to Dooley's Mum Gardens in Hutchinson on Wednesday, Oct. 14. Transportation and refreshments will be provided. The bus will leave Alderman Hall promptly at 3:30 p.m. Watch for signs and a note in next week's *Twig Bender*.

* * *

PLOWING ON THE HORIZON

Since weather is nice and plowing will begin sometime in the near future (no date set), gardeners are encouraged to clean out their area and pull up stakes, fences, posts, plastic mulch, etc. The word will come quickly so let's make this a pleasant process. Thanks from the Garden Plot Committee.

* * *

PRELIM PRELIMS

Att'n all prelim question committees: please formulate questions and turn them into Evonne as soon as possible. A prelim question will be given on Oct. 15, 394 AldH, all day.

DO IT FOR BIG MOUTH

Reminder: The Minnesota Zoo is still seeking candidates for its "Curator of Horticulture" position. Further info is posted in "the front hall." (See *Ed's Preface*)

What with the flap over their reputed mistreatment of sea mammals, recurring monorail breakdowns and political infighting, the Zoo might be receptive to a "let's work together and clean up shop" kind of pitch. Should land you the job hands down.

* * *

HOOLOGANISM REVISITED

Fellowships for graduate study in Germany are available through the "Deutscher Akademischer Austauschdienst" (DAAD) which will finance stays of up to ten months. Sounds like a pretty good deal, even though travel arrangements are being made through something called "Mathias Rust Charter Lines." (Better brush up on the Russian language before leaving.) More information is available in "the front . . ." (*Baloney! We're going back to calling it "the back hall!" - Ed.*)

* * *

HONORS SERVED WITH CHOICE OF DRESSING

Dr. Mark Brenner has received more than one honor of late. For starters, he's been invited to speak at the "Sixth Int'l Symposium on Growth Regulators in Fruit Production," sponsored by the Int'l Soc. for Hort. Sci. The symposium will be held in Canada next July.

In addition, Dr. Brenner has been nominated to the editorial board of *Plant Physiology*, the prestigious journal of the American Society of Plant Physiologists. Dr. Brenner will be editing academic papers for the journal, and the way we figure it, earning approximately 50 cents per hour. However, there are more tangible benefits. To quote from the Society's announcement, "In addition to the satisfaction of sustaining the high standards of *Plant Physiology*, you and your spouse will be invited to the annual dinner of the Editorial Board."

Scads of congrats, Dr. Brenner, and *bon appetit!*

TWIG-BENDER

Volume 6 -- #82 - October 9, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sciences & LA
Editor: J. Scott Hopkins

THIS WEEK - OCT 12-16

MON - Disc.: *Progeny testing considerations*, Tim Teynor, Noon, 394 AldH

- Seminar: *Breeding for flavor components*, B. Delzer, 4pm, 306 BorH

TUE - Coffee Hour, D. Davis & S. Berman, 9:30am, 394 AldH

- Herbarium Open House, 3-6pm, 8th fl BioSci

- *Potential of Microbially Produced Phytotoxins as Herbicides*, Monica Wallace, 4pm, 491 BorH

WED - *Clonal Reproduction and Control of Genetic Structure of Sea Anemone Populations*, R. Hoffman, 4pm, 313 Zoo

FRI - *Photosynthetic response to heat stress in Phaseolus vulgaris L.*, N. Chaisompongpan, 3pm, 335 BorH

- *Mosaic analysis of two genes that affect nervous system structure in Caenorhabditis elegans*, R. Herman, 4pm, 70 BioSci

- Grad Students Meeting, 4pm, 423 AldH

* * *

A WHOLE LOT OF NUTHIN' GOING ON

In an effort to break into the "non-news" field exploited so successfully by local TV news shows, *Twig Bender* herewith inaugurates a new series on "non-events," providing complete coverage of things that are not taking place.

For starters, we wish to announce that there will *not* be a Hort. seminar this Wednesday. That's right. No seminar. Remember you read it here first.

Further, the October 14 tour of Dooley's Mum Gardens will *not* take place. That's right, no tour. The Hort Club and Phi Alpha Xi might schedule

an alternative tour of the Arboretum. We don't quite know yet, but we'll let you know the moment we hear anything, and subsequently contradict ourselves the following week. (Perhaps we should be working for the State Department.)

LANDSCAPE ARCH.- HORT PICNIC (MAYBE)

Noting the tenuous nature of *Twig Bender* announcements, Julie Padrutt submits the following:

Recently, all grad students received a survey to see if there is interest in having a potluck picnic at the landscape arboretum - featuring the reclusive Hilltop House. This picnic, if brought about, *might* include: fireplace fires to chase away autumnal chills. It *might* enjoy: indian summer weather for leisurely walks though leaf-strewn paths and various active outdoor sports, such as volleyball. It *might* have: a sumptuous potluck potpourri contributed by fellow plantspeople, and cider pressing provided by the HRC fruit project.

Proceeding ever-so-gingerly, Julie ruminates on what such a picnic *could* be: a chance to get away from classes, campus, professors and stress; an opportunity to converse with like or widely-opposite-minded cohorts; as it was originally intended: a chance for LA and Hort grad students to interact as one departmental group; or a way for infrequent visitors to explore the often overlooked arboretum.

It *won't* be: anything, if nobody is interested.

Please return the surveys and/or see your friendly social committee representatives for details (note: the most likely date thus far is Oct. 24 and weather is no longer an issue).

THE DEPT. WELCOMES Diane Francisco, our new student worker in 305 AldH. The note *Twig Bender* received encourages readers to come by and "extend her a hearty welcome aboard." We don't

mind the occasional horticultural metaphor, but nautical ones make our editorial board nervous since it's almost impossible to avoid conjuring up the companion analogy: "Let's hope Diane doesn't abandon ship." The less said about that the better.

Anyway, stop by the front office and say "Hi, Diane." Or even "Avast Matey, shiver me timbers!" (But only if it's absolutely necessary.)

GRAD STUDENTS: The first prelim question will be given on Thursday, October 15 all day. Pick up your question from Evonne.

MORE ON PRELIMS

Prelim question committees need to formulate questions and turn them into Evonne as soon as possible. Thanks.

DR. LUTHER WATERS successfully completed surgery for a back ailment last week. He'll be on the mend for another 3-7 weeks. Fortunately, each day brings him closer to complete recovery and it won't be long before Dr. Waters will be marching through Alderman with even greater determination. Get well soon!

CHINA CENTER ADVISORY COMMITTEE

The China Center welcomes Dr. David W. Davis to its Advisory Committee. Other new members include Emil Pfender and Susan Wick, with M. Kathleen Price presiding as new chairperson.

NEW PUBLICATIONS: "Plant Cold Hardiness, Proceedings of an Int'l Seminar Held at Shanghai Institute of Plant Physiology," Paul H. Li, editor.

Dr. Li also collaborated with L.X. Zhang and M.J. Tseng on, "Amelioration of Chilling Injury in Rice Seedlings by Mefluidide," published in *Crop Science* Vol. 27, No. 3.

ANNOUNCING THE BIRTH of Meg Perkins, daughter of Todd and Chipper Perkins of Honeoye Falls, NY. Meg checked-in on September 8 at
Please see reverse side

a healthy 9 lbs 3 oz.
Congratulations!

SCADS OF CONGRADS

Nawarat Chaisompongpan
married Preeyaphan
Udomprasert on October 3.
Congratulations!

*"Is she going to hyphenate
her last name?" - B. Corr*

*"If she does, next week we're
going to three pages!" - Ed.*

SINCE ITALIAN WINE seems to interest many in the Hort Dept., here's where to write for a 96-page handbook on the subject: Italian Trade Commission, 499 Park Avenue, New York, NY 10022. Please remember that both the Minneapolis and Saint Paul police have been commissioned with semi-automatic weapons, so drink in Moderation (that's a suburb west of here).

PROMOTING "THE PROGRESS OF SCIENCE and closer collaboration among the scientists of various nations" sounds like one heck of a good idea to us and we're glad the Nat'l Science Foundation and NATO (yes, *that* NATO) thought of it. What's more, they are offering postdoc fellowships to qualifying PhD's wishing to promote this cause. If you've got the sheepskin, check out the info posted in the back hall for further details.

INFO ON THE BUSH SABBATICAL PROGRAM

Readers have commented in the past that the typically ambiguous headlines in *Twig Bender* make it difficult to discern what each item is about without painstakingly reading each word of the story. With that in mind, we carefully constructed the above headline. Unfortunately, the item you are now reading has practically nothing to do with the "Bush Sabbatical Program." For information on this subject, please see the article below, which is misleadingly identified as a recipe for potato salad. We hope this creates no confusion.

RECIPE FOR POTATO SALAD

Information concerning application to the "Bush Sabbatical Program" will be offered October 20, 2:30-4 p.m., in the East Wing of the

Campus Club (*where they sometimes serve potato salad although they refuse to divulge the recipe - Ed.*). More information in the form of an agenda is posted in the back hall.

TUPPERWARE REVISITED

Please note that despite her better judgement, Julie Padrutt has agreed to hold a tupperware party at her apt. on the evening of Thurs., Oct. 22. Everyone (please, please) is welcome. A catalogue is posted you know where, so if you can't come, you may also pre-order.

SHUTTERBUG

Attention all Civil Service employees: Kathy Lloyd will appear by your side with a camera this week and snap your photo for a soon-to-be-constructed Staff I.D. Board. (Isn't this wonderful? Now the public will be able to identify everyone!) So put on your best face and say "cheese."

U.S. SELLS STINGER ANTI-AIRCRAFT MISSLES TO CHAD

Lord knows what Mr. Finn plans to do with them.

FLOPPY FLAP

A paper clip from one of those magnetized dispensers becomes magnetized itself. By attaching a note to your floppy diskette with a paper clip, you run the risk of destroying your files for time everlasting (makes you feel kinda powerful, doesn't it?). Well, that's bad. You see, the idea is to *protect* your files, not destroy them.

A good rule of thumb: keep your diskettes at least 6 to 12 inches away from magnetic devices and only attach notes with self-adhesive paper.

DON'T LET THE 21ST CENTURY CATCH YOU BY SURPRISE

"Preparing for the Twenty-First Century" is the impressive title of a background paper on "Strategy for Focus." This impressive piece of work is available through the front office. Despite the fact that the very words "Strategy for Focus" are enough to send most readers to snoozeland, we highly recommend this read. Let's say you find yourself

stuck in an elevator with Ken Keller, author of "Strategy." What are you going to talk about? Personal grooming? No. You're going to save not only your job but probably your entire department by having a probing jaw session over his "baby," that's what.

So don't put it off. With power shutdowns seemingly being conducted weekly around here, the prospect of finding yourself stuck in a lift with the big guy may not be as farfetched as you think.

ANNUAL SAFETY TRAINING takes place October 20-21 at 3 p.m., 394 AldH. All employees who work in department labs and/or greenhouses should attend unless they have previously had the department safety training. (New videos this year!)

BASEBALL'S NO LONGER THE ONLY GAME IN TOWN

Just when Pennant Fever was threatening to obliterate all memory of the true sport of the season, cub reporter Brian Corr rushes in with the following story - Ed.

Two football games were held this week. On Tuesday, **The Jizmen** (don't ask me what it means!), the men's team, lost a squeaker, 6-0. The valiant 7-man squad took on a team which had many players on the bench to replace wounded warriors (and those simply out of breath). The Hort Dept. was represented by Chad Finn (sans missles), Mike Bartolo, and Brian Corr. The remainder of the team was rounded out with Robert Fick (Barb's brother) and assorted Ag Eng types. They play again next Tuesday at 6 p.m. on Bierman Field. Fresh blood (er, *new team members*) are welcome.

On Thursday, the **Flappers** (again, don't ask me why) won a decisive victory over a team which consisted of only four players. The Flappers are a co-rec team with Hort members Bridget Ruemmele, Julie O'Leary, Carol Wylie, Barb Fick, Chad Finn and Brian Corr, and assorted hangers-on. Next game is next Thursday at 7 p.m., Bierman Field.

* * *

Have A Cherce Week!
(Apologies to Spencer Tracy)

TWIG-BENDER

Volume 6 -- #83 - October 16, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sciences & LA
Editor: J. Scott Hopkins

THIS WEEK - OCT. 19-23

MON - Disc: "Those nasty Genotype x Environment interactions: friend or foe?" T. Teynor, Noon, 394 AldH

- Sem: *New Horizons in Wheat Breeding*, I. Edwards, 4 p.m., 306 Borlaug

- *Plant Breeding Discussion Group Planning Meeting*, 5 p.m., 306 Borlaug (info: 5-8107)

TUE - Coffee Hour, 9:30 a.m., 394 AldH, contributors: Marcy & Barbara

- *Principles of Recombinant DNA Technology and Examples of its Application in Plant Pathology*, M. Bouhida, 4 p.m., 491 Borlaug

- *Characterization of an Extracellular Esterase Produced by the Plant Pathogen *Streptomyces scabies**, J. Schottel, 4 p.m., 64 BioSci

WED - *Interspecific Hybridization in Medicago: Testing New Genomic Combinations*, T. McCoy, 2 p.m., 306 Borlaug

- Reception for Mary E. Heltsley, Assoc. Dir. of the Ag. Exp. Sta., 2:30 p.m., Cherrywood Room, SPSC

- *Mother-Infant Behavior of Southern Right Whales and the Effect of Kep Gull Parasitism*, P. Thomas, 4 p.m., 313 Zoology

THR - *Protein Import Into Chloroplast: Genetic*

Analysis of the Transit Peptides from the Small Subunit of Ribulose 1.5 Bisphosphate Carboxylase and the Chlorophyll A/B Binding Protein (still with us?), L. Szabo, 3 p.m., 335 Borlaug

- *Small Nuclear RNAs*, E. Weiben, 4 p.m., 70 BioSci

FRI - "Agricultural Research, Production and Education in Canada," Y. Castonquay, Noon, 398 AldH

ATTENTION MS CANDIDATES

If you are interested in a Ph.D. program please see Evonne and tell her what your area of interest is.

ATTENTION PH.D. CANDIDATES

Evonne needs to know your area of interest, as well.

ATTENTION CANDIDATES FOR THE PRESIDENCY OF THE U.S.

Watch your "p's and q's." The way you guys are falling by the wayside, the last one to announce may win by default.

BROWN BAGGER

Slides of "East Coast Gardens," taken at the first annual Master Gardener's convention in Washington D.C., will be shown on Oct. 22, at Noon, in 394 AldH. Bring a bag lunch. Questions? Phone Martha Reborn at 624-7752.

PLEASE LEND A LITTLE EAR TO THIS PLEA

"Oh, where have they gone!?! The slide projectors, of course. The department has them

available for staff use; however, when I tried to sign one out, there were none. And only one signed out. I needed it for a class. Needless to say, I am upset. Please, please return the projectors. Please, please sign out this equipment and return it promptly." - Shirley Munson

(Hey, Shirley, didn't The Beatles release a hit single called "Please, Please Me"? Plagiarism exacts a mighty big price you know. Ask Joe Biden. Ask George Harrison, who was found guilty of "unwittingly" lifting someone else's tune. Fortunately, no one's yet caught on to Costa Rican prez Oscar Arias Sanchez who recently copped John Lennon's trademarked, "Give peace a chance." Of course, Sanchez just won the Nobel Peace Prize so they probably won't nab him, at least, on the plagiarism charge. - Ed.)

GARDEN PLOT CMTE SEZ:

The end is near! All garden plots should be cleaned out by 3 p.m. Sunday, October 18. At that time, the garden plot committee will patrol the garden to make sure everything is out. Monday the plots will be turned over.

The garden plots this year, with very few exceptions, have been well taken care of. Thanks! This makes it much easier for us to get plots every year.

P.S. Clean-up - Remove all stakes, fences, plastic mulch, strings, wires, etc. There is no need to haul off plant material.

POTATO PLATITUDES

Congratulations to Dr. Florian I. Lauer, who has been selected as the Industry recipient of the Red River Valley Potato Growers Association's "Meritous Service

Award" for 1987. The award will be presented at the group's annual meeting, in Fargo, on Nov. 20.

MAP MAKING MADE EASY

If you would like to brush up on your map-reading skills, see Otto Andersen in room 327. He'd be glad to review the strategy which he used at the U.S. National Orienteering meet. Otto placed 2nd on the last day (after a 4th-place finish on the first day) - placing him 3rd overall in the nation.

The two-day meet was held at the George Washington Management Area, Gloucester, Rhode Island, October 10-11.

HEARING PROTECTOR MISSING

If anyone has the sound deadening - hearing protecting headphones that should be in a drawer under the sonicater in 277 Alderman, please return them to Margaret Hibberd.

MORE MISSING STUFF

Handbook of Flowers, Vol. IV, by Ed Haling (a white and green hardback) is missing. If you know where it is, please return it to Harold Wilkins. Thanks.

ABOUT TIME

Please see Martha in 305 about ordering your 1988 desk or wall calendar. She will be ordering them soon.

CALL FOR PROPOSALS

Research Expeditions (REX) is an innovative program in Extension Classes which offers faculty who conduct research the opportunity to have interested adult volunteers assist in their research field work.

Research ideas are now being sought for spring, summer, fall, and winter of 1988. Deadline for receipt of 1988 REX proposals is December 1, 1987. Please see Jay in 305 for details.

PPI FELLOWSHIPS

PPI is an acronym for the "Potash & Phosphate Institute." Doesn't seem to mean much either way, does it? So let's get on to something interesting. These guys are offering fellowships of \$2,000 each. (Now that's our language!) They will be awarded to "deserving" graduate students in Soil and Plant Science. More information is posted in the back hall. Deadline is February 1, 1988.

FOOTBALL UPDATE by Brian Corr

The men's football team (the Gizmen, sorry about last week's misspelling, although I still don't know what it means) lost a squeaker to the Silver Streak on Tuesday, 23-6. Mike Bartolo, nursing a pulled hamstring, was still a potent threat on deep passes. Chad Finn terrorized the offensive line with an awesome pass rush, Keven Lentz kept defensive backs worried, Brian Corr was stunned when an offensive lineman held him during a pass rush (in clear violation of accepted practices!) but then *apologized!* Robert Fick QB-ed the plucky crew which was rounded out with folks from AgEng, whose names I don't recall.

On Thursday night, the co-rec team (The Flappers - no misspelling that) slipped and slid (slidded or slud?) to victory in a closely fought game (i.e. the other team had all their players). Captained by Robert Fick, who had several stellar interceptions, the courageous crew braved mud to defeat the "3 downs and punt" 14 to 6.

Both TD's were a result of interceptions by Ag Eng superstar Rick "somebody-or-other." Rock-solid (or reasonably so, considering the condition of the field) performances were submitted by Chad Finn, Julie O'Leary, Barb Fick, Carol Wylie, Bridget Ruummele, Brian Corr, Marny (whose last name I don't know), and someone else for whom I don't even have a first name.

Upcoming games: Tues. Oct. 20, 6 p.m.; Thurs. Oct. 22, 7 p.m.; both games on Bierman Field. More bodies are always welcome.

HANKY PANKY

The Strib has its "Homer Hanky," but nothing will spur those Twins to victory like the "Homer Handout," free this week in Twig Bender. (Actually it is the Twig Bender.) Whether you attend the Dome or play couch potato, just wave this week's Twig at the Twins and watch them knock that ball out of the park. But be sure you wave it correctly. Remember, up and down and to the left means, "Hit a homer." However, waving it any other direction will be read by our team as, "You guys got in the Series by the biggest fluke on record and you're bound to subject Minnesota to the most devastating national humiliation since the last election, reaffirming the world opinion of us as perennial losers who are eternally spinning our wheels, both metaphorically and otherwise, as our reputation skids uncontrollably past the gateway to self-respect."

So, please wave it the right way. No! The left way. Wait a minute, something's wrong here. (We could be in trouble.)

* * *

Have A Major-League Week!

TWIG-BENDER

Volume 6 -- #84 - October 23, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sciences & LA
Editor: J. Scott Hopkins

THIS WEEK - OCT 26-30

- MON** - Discussion: "Back to Basics: Vavilov and the Law of Homologous Series," Barbara Leidl & Marcy Taylor, noon, 394 AldH
- Seminar: "Breeding for Host Plant Resistance to First Brood Southwestern Corn Borer in Subtropical Maize," Dr. David Jewell, 4 p.m., 306 BorH
- TUE** - Coffey Hour, Sonja Maki & Kathy Lloyd - contributors, 9:30 a.m., 394 AldH
- "Plant Pathology Seminar" (topic to be announced), Nezha Khaless, 4 p.m., 491 BorH
- Seminar: "Plants, Pollen and People in Indonesia," Dr. Edward Cushing, 4 p.m., 64 BioSci
- WED** - Seminar: "Molecular Evidence in the Phylogeny of Maize," Dr. John Doebley, 4 p.m., 313 Zoology
- THR** - Seminar: "Genetic Transformation of Plants Using Liposome Fusion," Dr. Alexander E. Gad, 3 p.m., 335 BorH

- Seminar: "Factors Which Influence the Growth of Axons in the Developing Nervous System," Dr. Steve McLoon, 4 p.m., 70 BioSci

* * *

VISITING SCIENTIST

Dr. Vladimir Suvorov of the Kalinin Polytechnic Institute in the U.S.S.R., known for his physico-chemical investigation of peat, will present a seminar on the subject of "peat" on Nov. 5, 11 a.m., 306 BorH.

Dr. Suvorov is available for individual or small group meetings with faculty and grad students. If you'd like to meet with him, please let Michael Russelle of Soil Science know by Nov. 2, so that you are included on Dr. Suvorov's itinerary. The phone number is 625-8145.

* * *

ALPHA ZETA ALUMNI SCHOLARSHIP 1987-88

Scholarships are available to students or groups of students who wish to travel to attend a meeting of an appropriate professional, scientific or technical society or association. (Judging teams are not eligible.) To apply, forward a letter of application including the name, major and classification of the

student; date, location and identification of the meetings; purpose of the meeting; and any recommendations you wish to add, to: Keith Wharton, 277 Coffey Hall.

Deadline is Nov. 20, 1987.

* * *

NEW FACE

Welcome to Dr. Geza Hadi, corn breeder with the Agricultural Research Institute of the Hungarian Academy of Sciences. Dr. Hadi will be visiting us between October 15 and November 1 and can be reached through Dave Davis or in Room 162.

* * *

COMMUNITY CAMPAIGN

Everyone is reminded to turn in their "community campaign" pledge cards to Laura this week. Everything will be sent to Payroll October 30.

* * *

PROJECT HARVEST UPDATE

Over the past several months, Mark DeBower and COA have been working with the St. Paul Computer Center and the IBM Corporation in putting together a special telecommunications system, "Project Harvest," for the college. The project incorporates electronic mail, BITNET, bulletin boards,

conferences, scheduling, user directories, file transfers, and in the near future, connection to the library system. All this function can be tapped by the use of any microcomputer equipped with a 1200 baud modem from locations either on or off campus.

The St. Paul Computer Center will make one year mainframe accounts valued at \$1000 available to all College of Agriculture faculty free of charge until December 31st. By obtaining an account, a user can gain access to Project Harvest through the use of a microcomputer or terminal. User guides to Project Harvest are available from Mark free upon request. More info available at: 625-2780.

* * *

TOASTMASTERS GROUP

Toastmasters is an international organization that gives people the skills and practice they need to overcome their fear of public speaking. On Monday, October 26, from 7:30 a.m. - 8:30 a.m., experienced Toastmasters will conduct a demonstration meeting at Hewlett Packard, 2025 W. Larpenteur, St. Paul. U of M staff and faculty are invited to attend. Toastmastering skills are applicable in the office and classroom, and help improve self-confidence, increase communications skills, and create a productive environment based on mutual support.

If you wish to attend, phone the St. Paul Campus Personnel Office at 625-

2770. For more info, phone John Loza at: 625-1783.

* * *

WELCOME

Dr. Wan-chu Lee, an International Atomic Energy Agency fellow from South Korea, has recently arrived in the Twin Cities. He will join the Laboratory of Plant Hardiness for a year of research. His specialty is plant nutrition and his interest is mulberry cold hardiness. If you'd like to meet him and get acquainted, please contact Dr. Li.

* * *

FOOTBALL NEWS

By Brian Corr

The long strike is over! Longtime holdout Steve Berman joined the Gizmen after a 3-week contract dispute; without a contract. We made him rush all game. Even with the addition of Steve, the Gizmen lost to the Pornifics (or something like that) 20-0. Chad (Too Tall) Finn provided the game's high point by batting down a pass during a vicious pass rush. Mike Bartolo, almost recovered from a near-career ending hamstring pull, played inspired defense, with Robert Fick and Rick Schoonore holding down their zones equally well. Todd, from Ag Eng, was effective at pass blocking as well as holding down his zone on defense, despite having foot surgery earlier in the week. Near blizzard conditions in the 2nd half caused Brian Corr to relate long boring stories

of Abe Gibson, Soldier Field, Bobby Douglas, and Chicago Bears losing seasons. You too can join in the fun, join us next Tues. on Bierman field at 6:00 as the battered team tries to raise their record to 1-3.

FLAPPERS DO IT!

The co-rec football team, the Flappers, have clawed their way into a guaranteed playoff berth by waltzing past Sanford Five 20-0. This gives the tenacious crew a 3-0 record. Chad Finn and Kevin Lentz gave spectacular displays of mobile football juggling (although aren't you supposed to end the trick by *catching* the ball?). Bridgett is perfecting the closed-fist, extended-arm block, while Brian has learned that simply stepping in front of someone a foot shorter and 80 pounds lighter can be an effective block. With the opponents suitably terrorized, Robert Fick had an easy time lobbing passes to an able receiver corp, including his sister Barb, Carol Wylie-Lentz and Bob's friend Chris (I promise-next week I'll get *all* the names.) Quote of the game: "Please don't make me quarterback again."-Julie O'Leary.

New players, cheerleaders and other assorted hangers-on are, of course, welcome next week-Thursday at 7:00 p.m., Bierman Field.

* * *

Have A Super Groovy Week!

TWIG-BENDER

Volume 6 -- #85 - October 30, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: J. Scott Hopkins

THIS WEEK - NOV 2-6

MON - Disc.: "Statistics or Sadistics: Implications and Applications of Quantitative Genetics in Plant Breeding," T. Teynor, Noon, 394 AldH

- Birthday celebration for Dr. Harold Wilkins, 4 pm, Floriculture Lab (459 AldH), all are welcome

- Sem: *Transgenic Plants*, D. Muenchrath, 4 pm, 306 Borlaug

- Monday Night Seminar: *Prelim Question Discussion*, 7 pm, 394 AldH

TUE - Graduate Faculty Meeting, 8:30 am, 394 AldH

- "Tuesday Coffee Hour," contributors: C. Fellman & R. Meissner, 9:30 am, 394 AldH

- *Fire in Jack Pine Forests: Long term consequences for herbivorous insects*, D. McCullough, 3 pm, 490 Hodson

- *Application of Recombinant DNA Technology to Agriculture*, (Speaker also to receive E.C. Stakman Award), A. Kelman, 4 pm, 491 Borlaug

WED - *Determination of DNA Content of the Embryo-Proper and the Suspensor Cells of Phaseolus coccineus x P. vulgaris and the Parental Selfs with Feulgen Cytophotometry*, K. Pomper, 4 pm, 415 AldH, (black tie optional)

- *How the Distribution of Environments Influences Selection of Phenotypic Plasticity: a Host-Parasite Example*, A. Weis, 4 pm, 313 Zoology

THR - *Starch Degradation in Plant Vegetative Tissues*, S. Duke, 3 pm, 335 Borlaug

- *Nucleotide Diphosphohydrolase and Purotransmitters*, M. Rosenberg, 4 pm, 70 BioSci

FRI - *Why Nobody in their Right Mind Schedules a Seminar For Friday: An Explanation*, J. Hopkins, 4:35pm sharp, MTC bus (4X, Snelling-bound)

* * *

KEY NOTE ITEM

A ring of keys, including one to a Subaru, were discovered in 423 AldH at 9:30 pm, last Thursday. Please see Evonne to collect.

* * *

OOH WHAT'S THAT SMELL?

The U of M Conservation Club is sponsoring a series of noon seminars at the St. Paul Student Center concerning the burning of garbage and its impact on soil. The schedule is as follows:

Mon., Nov. 2

12:00 *Policy: Why we are burning our garbage*

12:30 *What emissions will be in the air?*

Tues., Nov. 3

12:00 *How weather affects emissions*

12:30 *Will dioxins get in the food chain?*

Wed., Nov. 4

12:00 *Contents, disposal, and the hazards of ash*

12:30 *Heavy metals from emission and their impact on soils and plants*

Thurs., Nov. 5

12:00 *Alternatives to garbage burning*

Participants are encouraged to bring their lunch. Just watch where you toss those empties, or there'll be hell to pay.

* * *

A JOB WITH PRESTIGE

The Minnesota State Horticultural Society is seeking an experienced and responsible person for the position of Editor for the *Minnesota Horticulturist* magazine. Deadline for application is Nov. 6. Please see notice in front hall for details. (Experienced but irresponsible people need not apply, which fortunately excludes the editor of *Scene* magazine.)

* * *

INNER CITY BREEDING

The headline should say "Inner City Greening," but we wanted to get you to read the story. The St. Paul Garden Club is having an open meeting concerning "Greening of the Inner City," with suggestions on how to spruce up urban locales with vegetable and flower gardens, tree planting, etc. Mayor Latimer is scheduled to speak. The meeting is Nov. 18, 9:30 a.m., in Weyerhaeuser Aud., Landmark Center, downtown St. Paul. Please see notice in the front hall for further details.
Please see reverse

ARBORETUM PICK-UP

Arboretum pick-up and delivery is now on Wednesdays.

* * *

NEW PUBLICATION

Brenner, ML, DJ Wolley, V Sjut, and D Salerno. 1987. "Analysis of apical dominance in relation of IAA transport." *HortSci.* 22(5): 833-35.

* * *

GRANTS RECEIVED

Congratulations to Neil Anderson, Charlene Baker and "poet laureate" Brian Corr for receiving a \$500 travel/expense grant from the Geo. J. Ball Co. in order to attend and present a research poster at their cooperative annual Grower's Expo in January. Incidentally, there were only seven grad students/post docs selected from across the nation. Minnesota is proud of "you all"!

* * *

MILEAGE REIMBURSEMENT

The mileage reimbursement rate for intermittent use of a personal vehicle for U business has been increased to 22.5 cents a mile, up from a measly 21 cents/mile. (What a deal. Sorta makes you want to go crazy and drive to Sioux Falls, doesn't it?)

* * *

SAVE BUDGET DOLLARS

Instructors can save some budget dollars and also insure that students have their class materials by bringing originals to the St. Paul Student Center's "Copy Shop," where they will copy, collate, staple and bind them, and sell them to members of your class. Base rate is 5 cents per copy. A drop in the bucket to most students,

compared to the ever-increasing cost of tuition. (Hold it, we're starting to sound like a Regent!)

* * *

SPECIAL INTERESTS IN WASHINGTON

Dr. Signe Betsinger will be flying to Washington, D.C. the week of Nov. 8 in order to follow-up on research funding requests. Anyone wanting her to take their proposal abstracts or bring back specific information regarding research programs needs to get in touch with her by Nov. 6 at 12 Noon. Research proposal abstracts should be no more than one page in length and include the following information: 1) title of the research, 2) who will be the project investigator, 3) what is to be done, 4) how it is to be done, 5) how long it will take, and 6) what the approximate cost will be. Dr. Betsinger's office is 220 Coffey Hall.

* * *

HOW TO MEET KEN KELLER

Why risk waiting for a chance meeting? Now you can guarantee frequent meetings with the big guy just by joining the University Civil Service Committee. A search committee is *still* looking for candidates. More details are available in the back hall. Deadline for application is Nov. 11. We haven't been so excited since hearing about the astronomical increase in the mileage reimbursement rate.

* * *

TREADMILL TO OBLIVION

Effective immediately, there is only one place to apply for Civil Service and Bargaining Unit employment at the U of M: the Lobby of the Administrative Services Center, 1919 University Ave., St. Paul. This is being

done in response to many requests to eliminate the requirement that an original application must be on file in each Area Personnel Office in order to apply for vacancies handled by each office.

* * *

FOOTBALL NEWS

By Brian Corr

This cold October wind blows my thoughts across the dirty brown gridiron like so many dry, spent, autumn leaves. To the **Gizmen**, the bitter wind fortells nothing more than winter; without compassion for their loss to some wimpy frat. Deep in the cold soil is a voice that says, "Next week, Bierman Field, 6 p.m.," but after that, I know frost will reign.

A scant 49 hours later a different sort of team took the field. The co-rec **Flappers** slashed and rambled to an awesome 14-0 victory over **No Smoking** to continue their unbeaten string. Newly activated Mara Crombie, and her friend Tom, sparked the team. Carol Wylie-Lentz has learned the fine art of football juggling, which she is trying to teach Kevin. Robert Fick and Chris Van Wyk shared the QB duties. Too Tall Finn plucked an interception out of thin air, Rick Schoonover, Barb Fick and Brian Corr kept the defense on its toes, while Julie O'Leary and Becky Someone-Who-Didn't-Tell-Me-Her-Name-So-It's-Not-My-Fault terrorized the quarterback with a frightening pass rush, burying him and drawing a sham of a penalty. Next Thursday's warm-up for the play-offs is at 7 p.m., Bierman Field. If we can't get our pictures on Wheaties boxes can we at least have a parade?

* * *

Have a Twins-Caliber Week!

TWIG-BENDER

Volume 6 -- #86 - November 6, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: J. Scott Hopkins

THIS WEEK - NOV 9-13

- MON -** *Use of Molecular Marker Loci to Study Quantitative Variation in Maize*, M. Edwards, 4pm, 306 Borlaug
- TUE -** Tuesday Coffee Hour, L. McCann (contributor), 9:30am, 394 AldH
- *Remote Sensing Applications to Forest Protection*, S. Ahearn, 3pm, 490 Hodson
- Topic to be announced, Z. Ferji, 4pm, 491 Borlaug
- *Cyanobacterin and the Inhibition of Photosynthesis*, F. Gleason, 4pm, 64 BioSci
- WED -** *Short-term Dynamics of a Tropical Forest: New Evidence for Equilibrating Forces*, S. Hubbell, 4pm, 313 Zoology
- THR -** *Phytochrome: Is There More Than One?*, L. Pratt, 3pm, 335 Borlaug
- To be announced, P. Saurugger, 4pm, 70 BioSci

* * *

NOVEMBER FACULTY MEETING will be conducted on Nov. 17th at 8:30 am.

* * *

FACULTY INTERESTED in single quarter leases should let Laura Kalisch know. Thanks.

* * *

LAURA LEE KERR WAS BORN Nov. 5 to Greg and Cheryl Kerr. Laura Lee checked in at 1:33 a.m. at 7 lbs 13 oz, 20" long, and after 43 hours of labor!

* * *

DAVID W. DAVIS WILL BE AWARDED a Fellowship in the prestigious American Society for Horticultural Science during their 84rd Annual Meeting on Nov. 9 in Orlando. This signal honor is accorded only to those members who have made an outstanding contribution to horticultural science, the profession, or the industry. Congratulations!

* * *

A FARMLAND EDUCATION SPECIALIST IS WANTED by "Wilder Forest," a year-round conference and outdoor education center located near St. Paul. The successful candidate will be responsible for developing and coordinating project activities of the Farmland Stewartship Center, a farm project conducted as a demonstration of land conservation and sustainable agriculture. Further info is available on the bulletin board in the front hall.

* * *

"Men have become the tools of their tools." - Henry David Thoreau

* * *

GUIDELINES FOR PROPOSALS for the new joint USDA, DOE, NSF competitive awards program are posted in the back hall. Faculty interested in collaborating in a proposal should see Laura for details. The deadline for submission of the proposal is March 1, 1988.

* * *

GRANTS THROUGH THE UNIVERSITY RESEARCH INSTRUMENTATION PROGRAM are available for projects focusing on energy conversion during photosynthesis. More information is available from Laura.

* * *

Please see reverse side

HORTICULTURAL WORK IN SCANDINAVIA is available to students and young professionals through the "American-Scandinavian Foundation's" exchange program. Summer assignments are being offered in Finland and long-term positions of 6-18 months are available in Denmark. For further info, see notice in front hall.

* * *

IF INDIA IS MORE TO YOUR LIKING, Evonne has info concerning the "Professional Studies Program in India." This program, coordinated by the Univ. of CA, is available to grad students wishing to pursue research, field work, or internships in India.

* * *

EUROPE, ISRAEL, AND AUSTRALIA also welcome hort students. Small scholarships for the "Ohio International Agricultural Intern Program" are available through The Ohio State University. A brochure is posted in the front hall.

* * *

THE BANANA PRINCIPLE: "If you buy bananas or avocados before they are ripe, there won't be any left by the time they are ripe. If you buy them ripe, they rot before they are eaten."

* * *

THE NATIONAL SCIENCE FOUNDATION offers a program entitled, "Instrumentation and Laboratory Science," which is designed to improve the quality of the undergraduate curriculum by supporting projects to develop new or improved instrument-based undergraduate laboratory and/or field courses. See Laura for more details.

* * *

1986-87 UPDATE of the Minnesota Extension Service's annual County Highlights, County Data Sheets and State Staff Units Highlights are available for perusal via Laura.

* * *

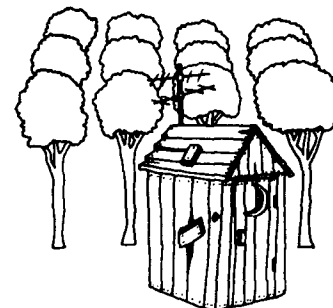
TOASTMASTERS is a professional organization devoted to excellence in communication. The Dialoggers Toastmasters Club offers you the opportunity to learn effective communication through practical experience in an informal and supportive atmosphere. Dialoggers members consist of civil service, faculty, and students.

The club will host a demonstration meeting on Thursday, Nov. 12 beginning at 11:30 am in the 2nd floor conference room at the North Central Experiment Station.

All are welcome! If you are unable to attend this meeting, feel free to join us any Thursday at the same time and location.

* * *

Have A Spiffy Week!



AMERICAN NURSERY PRODUCER'S DREAM
A chicken in every pot and
and an outhouse in every field

TWIG-BENDER

Volume 6 -- #87 - November 13, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: J. Scott Hopkins

THIS WEEK - NOV 16-20

- MON**
- *Making a B Line: Use of Stability Analysis in Plant Breeding*, T. Teynor, Noon, 394 AldH
 - *Breeding for Leaf and Stem Rust Resistance in Wheat: A Critique*, D. Basigalup, 4pm, 306 BorH
 - *Mapping the Human Genome*, R. White, 4pm, 2-620 Malcolm Moos Tower
 - *Crafting a Thesis Proposal I*, 7pm, 394 AldH
- TUES**
- Coffee Hour, E. Kuyper & S. Munson, 2:30pm, 394 AldH
 - *Soil Processes as They Affect Nitrogen Availability*, D. Zak & D. Grigal, 3pm, 490 Hodson
 - Plant Path. Sem. "Topic to be announced," G. Bucher, 4pm, 491 BorH
 - *pOCA: A Vector for Use in the Cloning of Plant Genes by Phenotypic Complementation*, F. Gleason, 4pm, 64 BioSci
- WED**
- *Effect of Biological Invasion by Exotic Species on Primary Succession and Soil Development in Hawaii*, P. Vitousek, 4pm, 313 Zoology
- THR**
- *Molecular Analysis of Genes Encoding Chloroplast and Cytosolic Glutamine Synthetase*, G. Coruzzi, 3pm, 335 BorH
- FRI**
- *How To Sneak On an MTC Bus Without Detection*, J. Hopkins, 4:30pm, Near Coffey Hall (Demonstration may be postponed in event of arrest.)

* * *

FACULTY MEETING

Reminder: Nov. 17 faculty meeting will be at 8:30 a.m.

* * *

PRELIM QUESTION

There will be a prelim question for all grad students on Nov. 19. Pick up the question from Evonne between 8-4. Thanks.

* * *

MISSING FROM LAB

Whoever took it, please return the large ring stand with clamps to 277 AldH.

* * *

COGS NEWS

A long needed change is in the works. Starting about Jan. 1, 1988, students' full-time status won't be based on credits taken, but rather on whether they are considered full-time by their department. Full-time status will probably be indicated on the fee statement. This will mean you won't have to get letters from Evonne indicating full time status for insurance, loan deferment, book store, gym use, etc., etc.

* * *

BOOK FOUND

Whirlwind by James Clavell. Discovered on the counter in the back hall and currently under Kathy's watch and care. To claim, owner must quote *Capt. Mickey's quip on page 319 which embarrasses Father Algernon and convinces Robert to have the operation.*

* * *

COMMENCEMENT HELP

University Relations is hiring paid volunteers to marshall the Grad School Commencement Ceremony in Northrop Auditorium on Dec. 6, 7-9:15 p.m. Full-time University employees will be paid time-and-one-half of their regular salary.

Pt-time workers will be paid \$5.76 per hour on a straight-time basis, with an extra five minutes at the punch bowl thrown in for free.

See Laura before Nov. 20 for an application.

* * *

MICROWAVES OF PRAISE

Thanks to Dave Olson, the timer on the microwave in room 369 is now working. No more crispy, rubbery, boiled-over food! Fans of that type of spread are hereby advised to check with the SPSC Food Service.

* * *

ESCAPE TO THE CAREFREE WORLD OF AMERICA'S DOWNTRODDEN

MPRIG is sponsoring "American Pictures" on Nov. 18, 7 p.m., Willey Hall 125-175. "American Pictures" is a multi-media presentation of a Danish man's journey through the American underclass - a side of America not often seen in the mass media or experienced by middle-class whites.

From 1971-76 Jacob Holdt hitchhiked across the U.S. covering over 100,000 miles on only \$40 and three postage stamps in odd denominations. He traveled as a vagabond and lived with some 350 families in 48 states (he subsequently owes each a dinner). Most of his experiences were with poverty-stricken people of color. He came to see the United States through their eyes. He sold plasma to buy film and took over 15,000 pictures at the request of his parents who found his first reports of America so unbelievable that they sent him a camera to document his stories. (Funny they didn't think to send film, eh?)

Anyway, it looks like a good show. Admission is free but attendants are encouraged to bring a can of food to donate to local foodshelves. If you forget the canned peas, a pint of your life's fluid will suffice.

* * *

FOOTBALL UPDATE By Brian Corr

Note: This article was held over from last week for mysterious reasons. - Ed.

Gizmen lose. Just wait 'til next year.

FABULOUS FLAPPERS FRAZZLE FOES FOR FOOTBALL FINALE

Our plucky co-rec football wonders danced their way to a 12-6 win to end the regular season 5-0. A balanced offense of dazzling running plays by Chris Van Wyk, Barb Fick and Julie O'Leary and an aerial attack from QB Robert Fick to Rick Schoonorer and Tom and Paul (new people...how am I supposed to know their names?). (*What do you think we don't pay you for? - Ed.*) Mara Crombie and Carol Wylie played flawless defense in the back field, while Chad "White Shoes" Finn struck terror in opposing quarterbacks. Brian Corr learned football juggling, while Kevin Lentz went home sulking over a missed interception. The play-offs begin next week (*Actually this past week...remember, this story is one week late.- Ed.*) with Brian, Chad and Bridgett gone to the ASHS meetings; so the torch is passed to the replacements. Barb and Julie, practice your "Chanimal" yell.

* * *
~~A LETTER~~
~~LETTERS~~

Dear Mr. Twig Bender:

Is it my imagination or is the *Twig Bender* funny some weeks and dry as a bone on others? What's the deal? I have been in Grad School well over two months and, consequently, am in dire need of some yuks and boffos.

Confused.

Dear Confused:

Our attempts at japish reportage is directly proportional to how busy things generally are in the office. Fabricating news takes time, my lad. Ask Ruth Spencer. Even your apocryphal missive (above) required far more time than we can normally find around here. Things should be busier next week with no relief expected 'til Xmas. So, unless you manage to escape Alderman during winter break, look for our next frivolous issue around Dec. 18. In the meantime, we suggest you pick up a subscription to USA Today to tide you over.

Editor.

Have A Serendipitous Week!

TWIG-BENDER

Volume 6 -- #88 - November 20, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

READERS! HOW MANY "DESIGN ERRORS" CAN YOU SPOT IN TODAY'S TWIG?
SUBMIT ANSWERS ON A POST CARD TO S.S.I. SOFTWARE, INC.
THIS WEEK - NOV 23-27 (WORD PERFECT DIV.) ATTN FACULTY

MON *Is there a doctor in the house? Problems in disease resistance breeding,* Peterson, Noon, 394 AldH

The "Office of Int'l Education Faculty Grant Akil Program Guidelines for 1987-88" are available from Laura.

- *Theoretical developments in back-cross breeding,* Mohammed Sadiki, 4pm, 306 Borlaug

* * *

To err is human, but some people are overflowing with humanity.

- *Monday Night Seminar: Crafting a Thesis Proposal II,* 7pm, 394 AldH

* * *

TUE- Coffee Hour, Wes Hackett & Martha Piechowski, 9:30am, 394 AldH

HAMM LECTURE

- *Survey and control of the gypsy moth in Michigan,* Steve A. Munson and Peter A. Rush, 3pm, 490 Hodson

The "Nominee Form" for the "Hamm Memorial Lecture" is posted on the faculty bulletin board in 305 Alderman Hall.

* * *

- *Plant Pathology Seminar: Topic to be announced,* Robert Pawlosky, 4pm, 491 Borlaug

GSC NEWS GRAD FELLOWSHIPS

- *Invasions of Great Lakes forests in response to changing climate,* 4pm, 64 is Bio Sci

The deadline for Graduate School Fellowships is in early January. These Fellowships provide grants of \$9000 for the 1988-89 academic year plus a tuition waiver for students entering in Fall 1988. Faculty who know of any qualified prospective students should contact Jim Luby or Mark Brenner. The Graduate School also has travel funds to enable visits to campus by Fellowship nominees. The Horticultural Science graduate program also has limited funds for awards to Fellowship-caliber students who would enter before Fall 1988.

* * *

THR- Thanksgiving holiday

FRI - University closed

* * *

NEWBORN

Jacob Barbour Rosen was born Friday, Nov. 20 at 5 a.m. to Carl and Joann Rosen. Jacob weighed in at 7 lbs 1 oz and measures 20 inches. Congratulations!

* * *

FED REGISTER

Available from Laura: "Federal Register: Cooperative State Research Service; Competitive Research Grants Program for Fiscal Year 1988; Solicitation of Applications; Individual Awards: Recent Doctoral Graduates; Notice."

* * *

An optimist believes we live in the best of all possible worlds. A pessimist fears this is true.

* * *

OLD PHONEBOOKS

Old phonebooks should be brought to the back hall for distribution to the recycling program.

Have A Great Turkey Day!

TWIG-BENDER

Volume 6 -- #89 - November 25, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

CALENDAR NOV 30 - DEC 4

MON- *Genetic analysis in maize with isozyme and RFLP techniques*, Dave Rubino and Mike Benner, Noon, 394 Alderman

TUE - Coffee Hour, Mike & Myron, 9:30am, 394 Alderman

- Brown Bagger: Slide show of Norway, presented by Rod and Gretta Serres, Noon, 394 Alderman

- Plant Pathology seminar (topic to be announced), Jody Fetzer, 4pm, 491 Borlaug

- *What's out at the ends? Characterization of a yeast telomere binding activity*, Judith Berman, 4pm, 64 BioSci

WED- *New cut flowers and Liatris's road to prominence*, Chad Finn, 4pm, 415 Alderman

- *Capitalizing on currents: How non-rigid organisms use flow-induced pressures*, Steven Vogel, 4pm, 313 Zoology

THR - *Genetic basis of the hypervirulence of Agrobacterium tumefaciens, and A developmentally regulated cell wall glycoprotein from maize*, Elizabeth Hood, 11am, 375 Borlaug

- *Tubulin and microtubules of rye roots: effects of low temperature, freezing, and cold acclimation*, Gregory Kerr, 3pm, 335 Borlaug

- *Transcription by RNA polymerase I stimulates genetic recombination in yeast*, Shirleen Roeder, 4pm, 70 BioSci

* * *

PLEASE NOTE: There will be no Monday Night Seminar on Nov. 30.

* * *

CONGRATULATIONS to Betsy Zimmerman for passing her PhD orals!

* * *

TWO BOOKLETS ON COOPERATIVE LEARNING are available from Dr. John Carter: *Teaching Adults Cooperatively* and *Active Learning Strategies: Cooperative Interaction*, both written by Roger and David Johnson, 1987 and 1986, respectively.

Faculty wanting copies are encouraged to contact Dr. Carter.

* * *

PRE-LIM REVIEW

On Monday evening, December 9, we will have a multi-team approach in sharing information and answering the pre-lim question of November 19. Consequently, we hope all students will attend and have good group learning experience. The question was:

"List five types or classes of endogenous plant growth regulators. Then:

- 1) Select any 3 of the 5 and describe their mode of action at the cellular level.
- 2) Select any 3 of the 5 and describe their "visual" growth and development response as it related to an intact plant.
- 3) Select any 3 of the 5 and relate how light, O₂/CO₂, temperature, water and mineral nutrition influence, their cellular mode of action and consequence whole plant growth and development response."

* * *

ARBORETUM'S HOLIDAY OPEN HOUSE takes place on the weekend of Dec. 5-6, from 11am-4:30pm. There will be a variety of activities for the entire family to enjoy including the Festival of Trees display,

More on Side 2

featuring 20 trees decorated with ornaments made with plants found in Minnesota. There will also be holiday carols and music, shopping in the gift shop, and door prizes. Children will be able to make their own printed Christmas cards and wrapping paper, and enjoy holiday movies. Holly and boxwood, as well as beautiful handmade pine cone wreaths and tree decorations made from dried plant materials, will be sold by the Arboretum Auxiliary.

The Festival of Trees will remain on display until Dec. 27 (except for Dec. 24-25 when the Arboretum will be closed).

* * *

HOLIDAY WREATHS are available from both Dr. David Davis and Martha Piechowski, both parents of boy scouts.

* * *

INTERVIEWS FOR THE MOLECULAR BIOLOGY POSITION

This is a preliminary note to let you know when the applicants will be here, when and where their seminars will be, and when the meeting to evaluate them will be held.

Dr. Elizabeth Hood will be here Dec. 3-4. Her seminar will be at 11am, Thursday, in 375 Borlaug (see calendar above). Dr. Desborough will be Dr. Hood's host; Sharon will be arranging the detailed schedule. A copy of Dr. Hood's file is in the main office. All are encouraged to read it before she arrives.

Dr. Michael Mulligan will be here Dec. 7-8. His seminar will be at 11am, Monday, in 306 Borlaug, and the title is *Transcription initiation and RNA processing in maize mitochondria*. Dr. Carter will be his host.

Dr. Alan Smith will be here Dec. 10-11. His seminar will be at 11am, Thursday, in 12 BioSci. Dr. Brenner will be his host.

Dr. Randall Hauptmann will be here Dec. 14-15. His seminar will be at 11am, Monday, in 375 Borlaug. Dr. Luby will be his host.

As the details are finalized for these interviews you'll be getting more info. If you

have questions or suggestions, give them to anyone on the search committee (Brenner, Carter, Desborough, Klacan, Liedl, Luby, Markhart, Snustad, Waters).

One last date that the faculty need to take note of: We will need to rank these interviewees on Friday, Dec. 18, from 1-4pm, in 394 Alderman. Our departmental guidelines indicate that the first part of this meeting is open to the faculty at large. Please make every effort to be there and share your opinions with the search committee.

* * *

GRADUATE STUDY IN NORWAY

Graduate students wanting to conduct research or study in Norway are invited to apply to the Grad School Fellowship Office, 422 Johnston Hall, for the Torske Klubben Fellowship. The Fellowship provides stipends of \$500 per month for a minimum of three months and a maximum of ten. Further info is posted under "Announcements" on the bulletin board in the back hall.

* * *

"Wisdom tends to grow in proportion to one's awareness of one's ignorance."

- Anthony de Mello

* * *

AVAILABLE NOW 2 KITTENS

Mom = calico
Dad = ?!

1 male - White with gold spots
1 female - Looks like a little black monkey

Both with fluffy fur and lots of charm and character.

See Kathy Lloyd.

* * *

**Goodnight And Have
A Pleasant Tomorrow.**

TWIG-BENDER

Volume 6 -- #90 - December 4, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

CALENDAR DEC 7 - 11

MON- *Transcription initiation and RNA processing in maize mitochondria*, Dr. Michael Mulligan, 11am, 306 Borlaug

- *All in the family: germplasm diversity, sources, and evaluation*, Marty Stahler, Noon, 394 Alderman

- Plant Breeding Seminar, Jeff Leppink, 4pm, 306 Borlaug

TUE - The Ever-Popular Coffee Hour, J. Daniels & M. Anklam, hosts, 2:30pm, 394 Alderman

- *Biology and management of the beech bark disease*, Manfred Mielke, 3pm, 490 Hodson

THR - *Monoclonal antibodies as probes for cell-cell interactions in Myxococcus xanthus*, Marty Dworkin, 4pm, 70 BioSci

FRI - *Week's end grumblings and evasion of duties*, Night Custodian, 4:25pm, main office

* * *

PRE-LIM REVIEW

On Monday evening, Dec. 7, we will have a multi-team approach in sharing information and answering the pre-lim question of Nov. 19. Consequently, we hope all students will attend and have a good group learning experience. The question was:

"List five types or classes of endogenous plant growth regulators. Then:

1) Select any 3 of the 5 and describe their mode of action at the cellular level.

2) Select any 3 of the 5 and describe their "visual" growth and development response as it related to an intact plant.

3) Select any 3 of the 5 and relate how light, O_2/CO_2 , temperature, water and mineral nutrition influence, their cellular mode of action and consequence whole plant growth and development response."

LIMITED ACCESS

The front office will undergo a Cinderella-style transformation with new carpeting being laid on Fri., Dec. 11 and Mon., Dec. 14. During this period, only minimal work will be done by the office staff (this is news?). Professors are encouraged to plan clerical assignments accordingly.

COOKIES AND OTHER TUMULTUOUS CONCERNS

The annual Christmas Cookie Exchange will take place Dec. 14, which means the new carpet (see above) will be littered with food crumbs even as it is installed. Such things are inevitable. (Suggestion: after lifting the old carpet, why not ship it - along with the food that has collected upon it over the years - to Ethiopia and circumvent the impending famine?) Anyway, if you are looking for a good excuse to pig-out, here it is. Participants should contact Kathy in 305 and indicate the type of

cookie they intend to share. Last year, two people brought identical cookies and by the time the smoke had cleared the place looked like an election site in Haiti. Prevent needless bloodshed and register.

END CARRIER CONFUSION

Please let the receptionist in 305 know if you are expecting a service call or special delivery so that we can direct them accordingly. Thank you. (Betcha thought this was about an Aids-free dating club, didn't you?)

ANTI-GEESE PROTECTION

Phyllis Carlson reports that a sure-fire way to keep geese off of plots is by tying a white string around the plot (or preferably diagonally across). The string should be 18" above the ground. If that fails, try a round of buckshot.

ANTI-GRAD PROTECTION

A sure-fire way to keep those pesky grads away from your office is by tying white string across the doorway repeatedly so that it acts as an effective barrier. If that fails, try a round of buckshot.

JOB OPPORTUNITY WITH HORT SOCIETY

The Horticultural Society is looking for someone to organize materials, answer the office telephones, assist with book sales, take gift subscription orders and assist library visitors from 8:00 am to 12 noon on Dec. 5, 12 and 19. Some late

afternoon hours also possible during December. \$4.00 per hour. Apply in person, 161 Alderman Hall.

GRANT AWARDED

The American Florist Endowment has provided a \$8900 grant for a study of "Spical Carbohydrate Level and Flowering in Zantedeschia." This is the second grant from A.F.E. for the Zantedeschia (Calla Lily) studies. The program involves the PhD thesis study of Brian Corr. Richard Widmer is the project leader.

ATT'N FACULTY (TWO ITEMS)

CSRS progress reports are due Fri., Dec. 11.

Also, the faculty of both Horticulture and Agronomy will meet with Dean C. Eugene Allen on Jan. 26 at 3pm in 306 Borlaug.

CHRISTMAS PLANT SALE

The Hort Club is having a Christmas Plant Sale on Friday, Dec. 4, from 9am-4:30pm in the St. Paul Student Center (Room 108). Pointsettias, holly, mistletoe, norfolk pines and various house plants will be for sale.

NEW CAFETERIA HOURS

SPSC and Earle Brown cafeterias will be closing soon. The surprise is that this has not been instigated by the Food & Drug Administration, but by the eminence of winter break. The Grainery closes Dec. 10, Cherrywood Room Dec. 18, Pumpkin Cafe (there really is such a place?) Dec. 19. The bad news is that people without access out of campus will be forced to dine in the SPSC's

Terrace Cafe for the duration. But don't worry, this gastronomical triumvirate once again opens its gates Jan. 4.

GRADS MEET CANDS

Graduate students meet with the next two candidates for the molecular biology position next week. We will meet with Dr. R. Michael Mulligan on Tues., Dec. 8 from 10-11am in 394 Alderman. Dr. Alan Smith will join us on Thr., Dec. 10 from 1:30-2:30pm in 394 Alderman. Please join us with topics for discussion.

ROOMMATE WANTED

Michigan student transferring to U of M needs roommate winter quarter. See Dave Davis.

Remember: Deadline for submitting items for Twig Bender is 4pm, the Thursday before publication!

VOLUNTEERS WANTED

The Minnesota Landscape Arboretum is now accepting applications for volunteer instructors to assist with the greenhouse workshops for school children from January through April, 1988. For more information, contact Shirley Mah Kooyman, volunteer program coordinator, at 443-2460.

GRANTS FROM THE NATURE CONSERVANCY

The Minnesota Chapter of The Nature Conservancy is soliciting research proposals for projects that would contribute to the conservation of natural areas in Minnesota. Proposals for up to \$3000 will be considered for full funding. Deadline for submitting proposals is Jan. 8, 1988. Details posted in the back hall.

CHRISTMAS PARTY

Yes Virginia, there *is* a Christmas party! The graduate students cordially invite the *entire* department (faculty, civil service, staff, students, various hangers-on) to a pot-luck dinner on Saturday, Dec. 12. Social hour begins at 6pm, dinner at 7pm. There is a sign-up sheet in "the back hall." The site of this gala event is Chad Finn and Barb Fick's, (Lutheran Campus Ministry Building) 1407 N. Cleveland Ave. We're interested in ideas for games and festivities, so see Chad, Sonja, Julie P., Cyndy or Brian. Be there. Aloha!

ATT'N GNHS WATERERS

For a small fee you, too, can be home for Christmas while your greenhouse plant material is checked twice a day and carefully watered to your specifications (shade cloth is extra). To take advantage of this special, see Mary in 462.

RESPOND NOW OR WE SHIP THEM TO AN EASTERN BLOC COUNTRY

Cute little kitties and puppies are still available, free, from Kathy in 305. But please act quickly. A moment's hesitation could send these cuddly tykes off to Soviet-dominated E. Europe, forcing them to fend for themselves in the back alleys of a godless Communist empire. Glasnost or no, it's a grim future. We wouldn't want to have to do it, but we've got to move this merchandise one way or the other. *Don't let these critters turn commie!* (Ollie North poster free with each adoption.)

* * *

Have A Bad Week!
(In the Michael Jackson sense.)

TWIG-BENDER

Volume 6 -- #91 - December 11, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

DATES AND TIMES DEC. 14 - 18

MON - Employee Benefits Fair, 10:30-2:30, Students Ctr Ballroom

- *Genetic Modification of Plants*, R. Hauptmann (faculty candidate), 11am, 375 Borlaug

TUE - Graduate Studies Meeting, 8:30am, 398 AldH

- Extension Specialist Staff Meeting, 8:30-10am, 152 AldH

- Coffee Hour (with a twist: all are encouraged to bring a dozen Xmas cookies for social hour in front lobby), 9:30am

*

We at Twig Bender know that it is sometimes difficult for readers to extract the legitimate information from the cumbersome quagmire of jokes, japes, and gibberish polluting these pages. In a continuing effort to appease its readership, while reducing our court costs, this week Twig Bender introduces a useful guide to help you distinguish the flippant material from the other stuff. If a statement is being offered in a humorous vein, it will be identified with the words, "A joke". If this designation does not appear, the reader should assume that the item, no matter how unbelievable, is more or less true. This will hopefully resolve the "flip flap," and encourage a new period of detente between this publication and its readers. The Editor

FACULTY CANDIDATE

Graduate students will meet with the final candidate for the molecular biology position, Dr. Randy Hauptmann, on Tues., Dec. 15 at 10am in Room 415 Alderman. Please join us with topics for discussion.

Faculty are reminded to sign up to visit with Dr. Hauptmann on Dec. 14 or 15. The sign-up sheet is located with his application materials in the front office.

Interested faculty may attend the first part of the Search Committee's final deliberation, Fri. Dec. 18, 1-4pm, 394 AldH.

WE'RE SEEING RED

Mike Evans supplied the lovely poinsettias for the front office. Thanks a bunch, Mike!

TENSION MOUNTS AS "COOKIE DAY" DRAWS NEAR

This is the last chance to sign up w/Kathy for the cookie exchange. The idea, apparently, is to bring cookies on Dec. 14 and literally "exchange" them with other people, so that you end up with an assortment of tasty, if somewhat soiled, snacks. A great way to interact with office staff and develop indigestion. (A joke.) Another advantage is that if you save the cookies you collect you can share the by-then second-generation hand-me-downs at Tuesday's "Coffee Hour" (see calendar above). (Let's everybody wash our hands for this, okay?) A great way to interact with staff and promote tooth decay. (A joke.)

PLANT YOURSELF AT THIS

PERENNIAL CONFERENCE

On February 24 and 25, the central region of the Perennial Plant Association will be holding a conference at the Radisson Hotel South covering the selection, growing, marketing and landscape use of perennial flowers. Speakers will include a number of nationally recognized authorities as well as some of the local talent. A copy of the brochure is posted on the bulletin board in the lobby. Anyone desiring further information or a copy of the brochure is asked to contact Mike Heger at 443-2460.

HOSE DOWN

There is still time to hire an experienced waterer so that you too can be home for Christmas. For a fee almost too small to mention your plants will be carefully watered while you relax at home. Be forewarned that Dec. 18 is the last day you can take advantage of this incredible offer. See Mary Stuart for details.

REMINDER FOR STUDENT SUPERVISORS

Supervisors of hourly student employees are reminded that next week's time card is due MONDAY, December 14.

GRANT AWARDED

Harold Pellet and Kathy Zuzek were awarded a 1987 Richard P. White Research Grant by the Horticultural Research Institute for their project,

Changing the Number of Chromosomes of Landscape Plants for Breeding Improved Varieties. The HRI Silver Anniversary Grant will follow in 1988. Congratulations!

POSITION OPEN

A "Senior Research Plot Technician" (in small fruits) is needed in Chanhassen. See notice posted in front hall or phone Peter C. Moe at 443-2460 for details.

TO THOSE WHO GAVE AT THE OFFICE

Thanks for making the 1987 Community Campaign a success. The United Way-St. Paul reports a 19% increase over 1986. Even Jerry Lewis is jealous. (A joke.) Heartfelt thanks from Richard J. Sauer, coordinator of Community Drive, and the entire volunteer staff.

Correction: Last week Twig Bender mistakenly suggested that Kathy Lloyd would ship her unadopted pets to a Soviet Bloc country. What we meant to say was that plans are underway to exchange them for a U.S. News & World Report employee being held in Moscow under suspicion of being a conservative. We regret the error. (A joke.)

DON'T DRIVE LESS THAN HALF-TANKED

Now that it is getting cold outdoors, here's a reminder that University vehicles should have at least a half a tank of gas in them at all times. Drivers are also asked to check the oil with every gas fill. (The vehicles are not being serviced very often.)

EDITOR CHOSEN FOR MN HORTICULTURIST

Lynn M. Steiner has been selected as the permanent Editor of the slick mag, *Minnesota Horticulturist*, after serving as interim Editor since July 1987, so look for more high-quality work.

CHEMICAL STORAGE

Dr. Leonard Hertz has been appointed to the Bldg Advisory Cmte for the planning of the Agricultural Chemical Storage Facility. Congratulations!

SHARE YOUR SMARTS

Grad students who would like to conduct Wednesday Seminars during winter quarter should get in contact with Dr. Peter Ascher as soon as possible.

BANKROLL BUDDING BEDDING BUDGETS

If you'd like funding from the Bedding Plants Foundation for research pertinent to the bedding and pot plant industry, see Laura for a copy of the proposal submission form and a list of previously funded research. The deadline is May 1, 1988.

*

A LETTER TO MR. MICHAEL JACKSON (OF THE "JACKSON FIVE")

Dear Mr. Jackson:

Your use of the term "bad" to mean "good" is creating real problems for use at Twig Bender. Last week, one of our funky flunkies polished off our publication with the beneficent benediction, "Have

a 'bad' week (in the Michael Jackson sense)," and it was misinterpreted by the majority of our readers as a provocative aspersion. Apparently you are not as popular in these parts as you think.

This situation, which has gotten our editorial board tongue-tied, is mainly due to your peculiar use of language. What's the matter with you anyway? Did we object when you reconstructed Disneyland in your living room? No. We didn't even speak out when you squeezed-out Paul McCartney for exclusive rights to the work of The Beatles. Or when you decided to sleep in an oxygen tank, get pumped up with female hormones, and have a "chin transplant". When you tried to buy the bones of "The Elephant Man," we really wanted to say something, but sometimes we're just too polite for our own good.

However, when you start perverting the English language in order to increase record sales, we have to stand up and yell "Just one minute!"

Such doublespeak hasn't been heard of since Vice Adm. John Poindexter left office. "Good" means "bad," "bad" means "good," "more" means "less," "less" means "more". . . we have to tell you, we are just stymied.

The Editor

MR. JACKSON RESPONDS

Dear Twig Bender:

That's "bad" to hear.

*M. Jackson
(A joke.)*

**Have A Good Week!
(We're taking no chances.)**

TWIG-BENDER

Volume 6 -- #92 - December 18, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

DATES AND TIMES

THR - Christmas Eve. Office closed.

FRI - Christmas Day. Office closed.

(Office will also be closed on Monday,
Dec. 28, as a floating holiday.)

* * *

ITEM NUMBER 1

For the second time in four or so weeks, copies of soil test results have been received designated simply by "1," "2," etc. #'s and "Greenhouse." No one has claimed them. If they belong to you- they are on Dr. Wilkins' office door.

* * *

ITEM NUMBER 2

Congratulations to Bridget! Bridget Ruummele won the best graduate student paper award for the C5 Division at the Crop Science Society of America meetings in Atlanta for her paper, *Reproductive Biology in Poa annua L.; seed set analysis*. She will receive a certificate and a cash award for the winning presentation.

* * *

ITEM NUMBER 3

Anyone interested in joining a broomball team with the usual crowd, i.e. Hort., Ag. Eng., etc., should talk to Chad ASAP.

* * *

A Note To Our Readers: We have just received calls from readers who are perturbed by the redundancy found in our headlines. (Fortunately, we were notified before going to press.) As a manifestation of our ever-present consideration for you (as well as out of fear that we will lose even more subscribers to USA Today) we have sacked the writer whose pallid work is seen above, replacing him with

someone who will (hopefully) display a caliber of creativity missing thus far. Thank you.

The Editor

* * *

~~ITEM NUMBER 4~~

THE NEXT ITEM

Dr. Harold F. Wilkins has 20 extra A.S.H.S./C.S.H.S. abstract forms for the meetings at M.S.U. They are due in East Lansing on March 1 - only 60+ days away! HELP!

* * *

THE ITEM JUST AFTER THE PREVIOUS STORY AND IMMEDIATELY BEFORE THE NEXT ONE

Readers are invited to share in the spirit of Christmas by providing food for the needy. A "Holiday Food Drive" is being held from Dec. 7 to Dec. 22 at the Office of Student Financial Aid, 197 Coffey Hall. Please bring non-perishable food items to Coffey Hall for donation to the Currie Neighborhood Center Food Shelf on the West Bank. This drive is being sponsored by the Student Employment Center's "Community Service Program."

A flyer concerning this is posted in the back hall.

* * *

THE ONE AFTER THAT

(aborted)

* * *

(Please see reverse)

Another Note To Our Readers: We have just received word that these headlines simply are not cutting the muster with many of you. They are all different, but apparently they do not offer enough descriptive text to accurately reflect the nature of each story. Accordingly, our writer has again been sacked, and replaced by a wordsmith committed to addressing the concerns mentioned here. We hope you give us a second chance before shifting your loyalty to the aforementioned publication.

The Editor

* * *

**SOMETHING ABOUT
DRUGS, UH, DRUG
ABUSE, OR THINGS
OF THAT NATURE**

The University Employee Assistance Program (U-EAP) is sponsoring a series of programs which examine various aspects of chemical abuse. Three series of programs, all running Wednesdays at noon, for five weeks beginning January 20, include the following titles: "Chemical Dependency: Strategies For Helping," "The Impact of Abuse Upon Heathy Human Development," and "Adult Children of Alcoholics."

See announcement concerning the series in the back hall for locations.

* * *

**A NEW VOLLEYBALL
TEAM IS BEING
FORMED,
WE GUESS.**

Anyone interested in playing in the co-rec volleyball league AND who either pays student services fees or has a participation permit, can contact Bridget Ruummele (or leave a note in her box). Each team plays 3 men and 3 women. If participation enlarges to 5 men and 5 women, fees per person will be \$3.

* * *

**THIS WAS GOING
TO BE ABOUT
EGGNOG, BUT WE
LOST THE RECIPE**

(aborted)

* * *

Yet Another Note To Our Readers: Something is wrong here. The phone is ringing off the hook. Now readers claim that our headlines are too indefinite.

Not to worry. We've sacked the writer responsible for the work seen above and have lured a budding young writer who represents the best and the brightest of this country's leading journalism schools. This boy, Kevin Flim, has an impressive portfolio exhibiting the most concise and creative headline writing to come across our desk in a dog's age. Luckily, one news item remains in this issue, allowing us to introduce our brilliant young prodigy to you at this time.

Welcome aboard, Kevin. You take it from here fellah!

The Editor

* * *

THE LAST ITEM

Mike Evans recently received his M.A. Congratulations Mike!

* * *

Personnel Notice: Applications are now being taken at Twig Bender, Inc. to replace the editor of this issue, who has jumped ship to begin a new career at USA Today.

*

**Have A Joyous
And Safe
Holiday Week!**

DATES & TIMES

MON- Floating
Holiday.
Office closed
all day.

FRI - New Years
Day. Office
closed all
day.

* * *

TWIG-BENDER

Department of Horticultural Sci & LA
Editor: Jay Hopkins

Volume 6 -- #93 - December 23, 1987
305 Alderman Hall, St. Paul, MN 55108

REMINDER TO SUPERVISORS OF STUDENT EMPLOYEES

Students' time cards
will be due on
Tuesday, December 29.

* * *

SPECIAL THANKS to
Laura McCann for
doing such a fine job
of straightening out
the back hall.

* * *

That it, folks. One of
the shortest Twig
Benders on record.
Things are really too
busy at the ol' Twig
Bender office to
amplify on anything,
'cept to wish all of
our readers a Merry
Christmas and a Happy
Boxing Day.

Have A Merry Week!

TWIG-BENDER

Volume 6 -- #94 - Dec. 31, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science
Editor: Jay Hopkins

TIMES AND PLACES

TUE - Coffee Hour,
Phantom Hosts,
Usual Time &
Place (we think)

- *The Challenge of
Biodiversity:
Caddisflies of
Costa Rica*, Ralph
Holzenthal, 3pm,
490 Hodson Hall

* * *

Three regents, Peggy
Craig, Wenda Moore and
Mary Schertler, cordially
invite female Twig Bender
readers to "share interests
of concern to women" at
the Campus Club on Jan.
7 at from 4:30-6:30 pm. As
if you needed further
enticement, refreshments
will also be served. As of
press time, there was no
word as to what the
refreshments will be,
however, since the regents
are springing for it, it's
bound to be delectable.
Also, the campus club
offers a swell view of the
Mississippi. No need to
think twice. Go.

* * *

*Fun Fact: Last week, the
normally arid principality
of "Truth or
Consequences, New
Mexico" had 13 inches of
snowfall. Serves them
right for naming their
town after a game show.*

* * *

The department seminar
will be thirty minutes

early on Wednesday,
starting at 3:30 pm. (Dr.
Wilkins wanted this
printed in boldface, but
our software is busted.
We'll repeat it instead.):

*The department seminar
will be thirty minutes
early on Wednesday,
starting at 3:30 pm.
(Hope he's satisfied.)*

As of press time, no
word as to whether or
not refreshments will be
served. Doubt if there
will be much of a view,
either. Well, go anyway.

* * *

Idle Rumor Department:
Kirby Puckett sometimes
leaves the room without
turning the lights off.

* * *

How to recognize a typo:
If a word is improperly
used in Twig Bender, it
will be because of a
"typo." A "typo" is a
mistake. For example, the
expression, "I was late
today because my car
started," is a "typo." In
order to be convincing,
say it properly: "I was
late today because my
car did *not* start. How
about a raise?"

Statistics show that 97%
more raises are granted
when proper excuses are
given for absenteeism.
This message is a public
service brought to you
under duress.

Next week: 51 Ways To
Lose Your Job.

* * *

The following will be
given away to a good
home: outdated issues of
Grounds Management;
Seedsmen's Digest; Golf
Superintendent/Golf
Course Reporter; Turf
Grass Times;
Agrichemical Age; Weeds,
Trees and Turf; and
other miscellaneous
publications. The
"giveaway" section is
clearly marked and is
located to the left of the
outgoing mail bins in the
back hall. Don't make us
send these magazines to
that circular file in the
sky.

* * *

Here's a call for
software proposals has
been issued by "Project
Woksape," which is a
three-year grant
supporting innovative
instructional research
and development from
IBM. For a looksie at the
proposal specs, see
Laura.

* * *

We regret to announce
that Dr. Herm Tiessen
passed away on Dec. 10
after a bout with cancer.
This news comes from
the University of Guelph,
Ontario, Canada.

* * *

Please see reverse

The folks in Greenland halted the "world clock" for one second at midnight, Dec. 31st, to compensate for a gradual slowdown in the Earth's rotation. Wait a minute! The Earth is slowing down? That means that one of these days, it will stop rotating completely. With our luck, the clock will probably stop during the coldest month of the year and Minnesota will never see sunshine again! Just think of the salt damage to your car! On the other hand, this will mean more "snow days" with corresponding time off from work. Something to look forward to.

Anyway, we mention this here in order to remind you to set your watch back one second as you launch into 1988. No sense being early for anything.

Another public service announcement squeezed in at the last minute to meet our FCC-imposed quota for 1987.

* * *

**Have A Great New Year!
On Us.**

TWIG-BENDER

Volume 6 -- #95 - Jan. 8, 1988
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Landscape Arch.
Editor: Jay Hopkins

TUES - Faculty Meeting,
8:30am, 394 AldH.

- Coffee Hour, 2:30pm,
394 AldH, L. Hertz &
P. Velgruth, hosts.

- *Culture Systems To
Study Tick-Spirochete
Interaction &
Variability in Lyme
Disease*, Uli
Munderloh, 3pm, 490
Hodson.

FRI - GSC Mtg, 3pm, 398
AldH.

* * *

ATTN: GRADS

The next prelim exam is on
Jan. 21.

RETREAT UPDATE

To be held Jan. 21, 11am-1pm,
398 AldH.

STUDENT SUPERS NOTE:

Supervisors of student
employees, please note that
time cards will be due on
TUESDAY, Jan. 12.

REMINDER: PROJ WOKSAPE

If you are planning to submit
a proposal for "Project
Woksape," please do so by
Feb. 12. For advice and
assistance, see Mark DeBower.

IN HORT LIB

Legal Framework for Scientific
Inquiry at Public Universities,
published by the National

Colleges, is available for your
perusal. Please see Laura.

VIENNA INVITES

The Agricultural University
Vienna (AUV) invites
members of our faculty who
are planning to visit Europe
to include a trip to their
institution on their agenda.
If arrangements are made
"enough in advance," the
AUV will cover the costs for
this side trip from your
original destination in Europe
to Vienna and back to that
original destination as well
as a 1 or 2 day stay in
Vienna in a middle class
hotel.

Three members of their
faculty have already been
selected to visit our
department in 1988: Prof. K.
Ehrendorfer, Agricultural
Statistics; Prof. A. Haiger,
Animal Breeding; and Prof.
W. Schneeberger, Production
Economics and Farm
Management.

If you have questions, please
contact Dr. Stadelmann upon
his return to the U of M
Hort. Dept.

JIM SENTZ DEPARTS

Dr. Jim Sentz, of the
Morocco Project Office, has
accepted the position of AID
(Agency for Int'l
Development) Agricultural
Liaison Officer at IITA (Int'l
Inst. for Tropical
Agriculture). He will be
posted at IITA headquarters
near Ibadan, Nigeria, and will
be leaving April 1. Best
wishes.

DAILY CONTACT

If you have something of
campus-wide interest that
you want publicized in *The
Minnesota Daily*, contact the
St. Paul Campus Rep at 5-
6666.

FUTURE OF BOTANY AT U

A meeting between the Hort
and Agron Dept's concerning
the future of the Botany
Dept will be held Jan. 26, 3-
4:30 pm in 306 Borlaug.
There appears to be some
confusion over rumored
reduction in the quantity or
quality of plant science
teaching and research at the
U of M, which this meeting
will hopefully resolve. Dean
Allen will offer a 20 min.
presentation, to be followed
by Q&A.

CLEAN SWEEP

Twig Bender hears that Dr.
Davis' greenhouse classroom
clean-up committee did a
good job! Much thanks!

MISSING A SLIDE?

Someone left a slide
picturing a corn field in the
dept projector. It has the
following identification
written on it: "Sec. 35
Farmington, 17 FL-B." Please
see Jay in 305 to pick up.
Thank you.

* * *

Have A Streamlined Week!

TWIG-BENDER

Volume 6 -#96 - Jan. 15, 1987
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

DATES & TIMES

(All events are one hour in duration unless noted otherwise. - Ed.)

MON- Martin Luther King's Birthday.
University holiday.

TUE - Coffee Hour, 9:30 am, 394 AldH,
Sponsors: Carol Wylie and Bridgett
Ruemmele.

- Seminar: *Evaluation of Raspberry
Training Systems*, Dr. Marvin Pritts
(Cornell U), 4pm, 415 AldH.

WED- Seminar: *Minnesota State Horticultural
Society: Past, Present, and Future*,
Dorothy Johnson, 4 pm, 415 AldH.

THR - Retreat Update, 11 am - 1 pm, 398
AldH.

- Entomology Seminar: *Animals In
Amber*, Richard Ellis, 3 pm, 490
Hodson.

FRI - Plant Hardiness Discussion: *Common
Bean Heat Shock Proteins*, Jeff
Roguske, 12 Noon, 398 AldH.

- Hort Plant Breeding Discussion:
*Release and Protection Strategy for
Plants and Plant Parts*, 12 Noon, 394
AldH.

* * *

*Before things get too serious in this week's
Twig Bender, we'd like to extend our sincere
appreciation to Mr. Evan Meecham for
deciding to become governor of the state of
Arizona, and not the state of Minnesota.*

*We do this for a variety of reasons, not the
least of which is the fact that we get
Monday off in Minnesota. Thanks again, Evan!*
- Ed.

* * *

PRELIM REMINDER

The Prelim Exam is Thursday, Jan. 21.

TEACHING FACULTY

Please turn in your book lists for Spring
Quarter to Evonne.

* * *

ENLIST YOUR TASTE BUDS IN THE SERVICE OF HORT SCI

Shirley Munson needs six volunteers to judge
frozen strawberries. There will be a maximum
of six panels. Judging will take place Tuesday
and Thursday, or Wednesday and Friday, at 11
am. If you are available and would like to
judge, please sign up in Lab 369. She also
needs one more person to judge french fries
on Tuesday and Thursday at 2:30 pm.

Please contact Shirley in 362 AldH.

* * *

DR. THAYER TO GIVE LECTURE

Prof. Robert L. Thayer, Jr. will present the
Kermit Olson Memorial Lecture ("*Landscape
Design for Resource Conservation*") on
Monday, Feb. 29 at 7:15 pm at the Earle
Brown Continuing Education Center.
Scholarships and awards will also be
presented that evening. Mark your calendars
now.

* * *

WELCOME

The name in the above notice, that of Prof.
Robert L. Thayer, Jr., isn't just new to the
pages of *Twig Bender*, it is also new to the
staff roster at Landscape Architecture, where
Dr. Thayer is serving as the "Hill Visiting
Professor" during winter quarter. He's
operating out of Dr. Paul Read's old office in
434 AldH. Please drop by and welcome Dr.
Thayer to the Department.

* * *

Please see reverse

NAME THAT BLUEBERRY CONTEST

Prize: A MN 167 blueberry plant! This poor plant has only a number and needs a name. (No "North" or "Blue" names please!) Give your favorite name candidates to Jim Luby.

* * *

BIRTH ANNOUNCEMENT

Lynn Steiner (editor for Hort. Society) and husband Ted became the proud parents of a son, Theodore Joseph Steiner, III, on Dec. 29. Theodore weighed in a 7 lb. 9-1/2 oz. Congratulations!

* * *

UPCOMING SOYBEAN SYMPOSIUM

The Center for Alternative Crops and Products is sponsoring a symposium on "Soybean Utilization Alternatives" which will be held in Bloomington, Feb. 16-18, 1988. Contact Cathie Bergum for registration information at 625-2722. There is a reduced rate for University faculty and students.

* * *

HORT/AGRON MEETING

Reminder: A joint faculty meeting between Agronomy and Horticulture with Dean C. Eugene Allen is scheduled for January 26 from 3-4 pm in 306 Borlaug Hall. Dr. Paul T. Magee, Dean of the College of Biological Sciences (CBS), will address the proposal to disband the Botany Department and move current faculty into other CBS departments, plus future plant science education and research efforts within CBS.

* * *

CLASS POSTPONED

The Department of Biochemistry announces that BioC 8225, "Tracer Techniques," normally scheduled for spring quarter, will not be offered this year due to a staff shortage.

Plans call for it to be offered again next year in the spring of 1989.

* * *

NURSERYMEN HONORS

Peter J. Olin has been awarded Honorary Membership in the Minnesota Nurserymen's Association. The award reads in part: "In this, the third year of his leadership of one of Minnesota's most precious resources, Peter has clearly demonstrated that the tradition of excellence continues at the Arboretum..."

Congratulations!

* * *

MORE CONGRATS

This time to Neal Anderson, Charleen Baker and Brian Corr for having outstanding scientific displays Jan 7-9 at "Flower Growers Expo 88" in St. Charles, IL. We hear they had center arena, high rent display space at the trade show and they fielded a lot of interesting questions. Yes, the food was good in the Chicago Loop and Brian was a great tour guide!

* * *

WE PRINT WHATEVER GETS SUBMITTED DEPT.

Definition from *Webster's 9th Collegiate Dictionary*:

smarmy (adj.) [smarm to gush, slobber], revealing or marked by a smug, ingratiating, or false earnestness.

* * *

"Today we are where our thoughts have taken us, and we are the architects - for better or worse - of our future."

James Allen

* * *

Have a Smarmy Week!

TWIG-BENDER

Volume #6 - #97 - Jan. 22, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

DATES AND TIMES

MON- Plant Breeding Seminar: *Role of Aneuploids in Plant Breeding and Genetics*, Lynn Dahleen, 4pm, 306 Borlaug

- Monday Night Discussion: "Heat Shock Proteins of *Phaseolus vulgaris*," Jeff Roguske, 7pm, Fireplace Room, McNeal Hall (After-session at Chad Finn's)

TUE - Coffee Hour, 9:30am, 394 Alderman; Hosts: Emily Hoover, Brian Corr

- Meeting: Discussion of 1988-89 scheduling of classes. Teaching faculty should attend. 11am, 394 Alderman.

- Entomology Seminar: *Plant Quality and Density Dependent Population Regulation*, David Andow, 3pm, 490 Hodson

WED- Wednesday Seminar: *History of Potato Culture*, Sharon Desborough, 4pm, 415 Alderman

FRI - Plant Hardiness Discussion: "Microtubules - Responses to Freezing and Cold Acclimation," Mike Bartolo, 12 Noon, 398 Alderman

* * *

IMPORTANT MEETING ABOUT BIO SCI

Reminder: A joint faculty meeting between Agronomy and Horticulture with Dean C. Eugene Allen is scheduled for Tuesday, January 26 from 3-4 pm in 306 Borlaug Hall. Dr. Paul T. Magee, Dean of the College of Biological Sciences (CBS), will address the proposal to disband the Botany Department and move current faculty into other CBS departments, plus future plant science education and research efforts within CBS. Please mark your calendars.

* * *

MISSING - Please check your office/labs for thesis books and return them to Evonne. Even if you are currently using them, stop by her desk so that she can update the card file. Thank you.

* * *

GREENHOUSE USERS PLEASE NOTE

Roger Meissner cautions faculty/grad students with research material in the greenhouses that when the University officially closes (as it did during the recent "Snow Day"), you are responsible for seeing to it that your plants get watered.

Margaret Hibberd warns that house plants left in Greenhouse #G-3, Bench #1, will be tossed on Tuesday, Jan. 26, at noon.

* * *

PLEASE RETURN

Borrowed (indefinitely?): Ph.D. thesis by Arthur Peterson circa 1985. Please return to Dave Davis. Needed.

* * *

Have A Swell Week!

REMINDER: Deadline for Twig Bender items is always 4 p.m., the Thursday preceding publication!!

TWIG-BENDER

Volume #6 - #98 - Jan. 29, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

DATES AND TIMES

MON- Plant Breeding Seminar:
Engineering Viral Resistance in Plants,
D. Frisch, 4pm, 306
Borlaug

- Monday Night
Discussion:
Microtubules - Responses to Freezing and Cold Acclimation,
M. Bartolo, 7pm,
Fireplace Room,
McNeal Hall

- Endangered Plants
Lecture Series: *Global Impact of Rain Forest Destruction*, Dr. F. Barnwell, 7pm, Arboretum

TUE - GSC Meeting, 398
AldH, 8:30am

- Coffee Hour, 9:30am,
394 AldH, Hosts: L. McCann & J. O'Leary

- UAC Meeting, 10am,
398 AldH

- Entomology Seminar
(topic to be announced), 3pm, 490
Hodson

WED - Environmental
Physiology Club, Noon,
108 Student Center
(see notice below)

- Wednesday Seminar
(topic to be announced), 4pm, 415
AldH

THR - Floriculture Discussion:
Basic Concepts of Light and Its Use in Floriculture, J. Dole,
8:30am, 398 AldH

FRI - Plant Hardiness
Discussion: *Basis of Heat Tolerance in Phaseolus acutifolius and P. vulgaris*, C. Lin, Noon, 398 AldH

SAT - Endangered Plants
Lecture Series: *The Center for Plant Conservation - A Nat'l Repository of Endangered Plants*, L. McMahan, 9:30am-2:30pm, Arboretum, Fee: \$12.50/\$10 (incl. lunch)

* * *

To our astonishment, Twig Bender has just learned that the FBI is about to place our editorial offices under surveillance. Why our staff should be of concern to them is a mystery. Gosh, our mail clerk voted Republican in the last four elections! Not only that, but our marketing director was once on Rudy Boschwitz's mailing list!

Mind you, somebody on staff did slip a veiled criticism of then-Supreme Court nominee Robert H. Bork into issue #79. But that wasn't our fault. We weren't at the meeting where the decision to print that item took place. Or if we were, we can't remember. Tell you what, if you Feds cut us some slack, we'll launch an immediate housecleaning and eliminate all staffers espousing unsanctioned points of view.

In the meantime, the FBI would do well to put its considerable manpower to good use and infiltrate some of those "radical" establishments on the West Bank. (We hear that a

number of people at the New Riverside Cafe refuse to eat red meat, a possible sign of pending dissidence.) In the meantime, we'll keep the Bureau abreast of our in-house witch hunt, er, "investigation" as it develops.
- The Editor

* * *

VALENTINES DAY SKIT PARTY

It is time to get your act together. . . literally. Individuals, pairs and groups who think they have what it takes to entertain the other members of this department (*Good luck! - Ed.*), please tell Nancy Hinrichs (and she'll run a security check). Nancy writes, "We would like to say that our standards are high, but I believe too many of you have seen some of the acts in previous years." The Skit Party is scheduled to take place during the afternoon of Fri., Feb. 12. According to Ms. Hinrichs, "the only thing predictable is that this event will be totally unpredictable." (*Isn't that something like, "We have nothing to fear but fear itself?" Nanc, you should be a speech writer. - Ed.*)

THE ENVIRONMENTAL PHYSIOLOGY CLUB is back by popular demand (see calendar listing for Wed.). This journal club is devoted to critical reading and discussion of selected papers in the env. phys. of plants. This week's paper: *Carbon dioxide and light response of photosynthesis in cowpea and*

Please see reverse

pigeon pea during water deficit and recovery. Please see Bud Markhart for more info, and translation of that stuff in italics.

NEW LIBRARY HOURS

The following hours are in effect for the St. Paul Campus Central Library until the end of winter quarter:

Mon-Thr	9am-5pm
Fri	9am-4:30pm
Sat	1pm-5pm
Closed Sunday	

Mar 21-25	9am-4:30pm
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EVONNE STILL wonders where those missing thesis books are which she asked about last week in this space. If you see any theses in your office or lab, please let her know so that she can update her file.

Security Update: We'd like the FBI to know that, through our self-imposed security check, we have discovered that one of our assistant typographers, a certain Miles Hindsight, used to be a subscriber to the leftist periodical, The New Republic. Needless to say, he's been sacked. . . even though he did say it was a gift subscription from his Aunt Pearl. As our interrogation continues, more info should be forthcoming, including whatever we can dig up on this "Aunt Pearl" character.- Ed.

PAPER SORTERS MISSING

Will the parties who have taken the two expandable aluminum paper sorters out of the "Xerox Room" please return them? Thanks.

WINE TASTERS WANTED

If you're interested in wines, please contact Marty Stahler, Kirk Pomper, Barbara Liedl or John Dole, who are forming a "wine tasting committee". Anyone interested may join (*pending a security check*).

Security Update: To our great surprise and astonishment, Twig Bender has ascertained that our receptionist's sister, a certain Nina Totenberg, knew somebody who once attended a party at which Judge Douglas Ginsberg was seen smoking a cigarette. Unfortunately, we have no proof that it was marijuana. However, given Ginsberg's reputation, the receptionist has been sacked just to be on the safe side. Happily, we are now down to only three staffers, making exhaustive background checks all the easier. - Ed.

FIND OUT MORE ABOUT POLYPHOSPHOINOSITIDES

A NSF Conference entitled, "Second Messengers and Phosphoinositides in Plants," will be held Apr 14-16 at Purdue Univ. Travel stipends for grads and postdocs are available on a competitive basis (deadline for filing: Feb. 9). If you'd like an application, please see Jay in 305. (*Just make sure you spell "phosphoinositides" correctly. It's not that hard. We did it three times here! - Ed.*)

YOU DON'T NEED TO READ EITHER OF THESE ITEMS IF YOU INSPECT

THE GRAD BOARD ON A DAILY BASIS (AND WHO DOESN'T?)

One thing you'll find on the grad board this week is a form for "full time grad student status certification". Whether you actually *are* a grad student or merely want to impersonate one, you'll need a copy of this form.

If you are interested in attending the Aug. 6-12 meeting of the Amer. Soc. for Hort. Sci., and either are a legitimate grad student or feel capable of impersonating one (see item above), you may wish to apply to the "Endowment Fund Committee" for a travel grant of \$100.

You will find more information concerning these subjects on the grad bulletin board in the back hall. (*We know this is redundant, but so is, "The only thing predictable is that this event will be totally unpredictable," and that made it into print. Twice, in fact. - Ed.*)

Security Update (Conclusion): We are delighted to announce that the FBI has scrubbed its plans to investigate Twig Bender. Our remaining staff members failed to pass the loyalty test and have been sacked en masse.

This publication is now soliciting applicants. If you have a snow white history and no personality quirks, please submit an employment application to William Sessions at the Federal Bureau of Investigation, Washington, D.C. Thank you and "Have A Nice Day". - The (former) Editor

Have A Week Above Reproach!

TWIG-BENDER

Volume #6 - #99 - Feb. 5, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

DATES AND TIMES

MON- Plant Breeding Seminar:
*Incorporating Exotic
Materials Into Adapted
Populations*, Nick
Haugerud, 4pm, 306
Borlaug

- **Monday Night**
Discussion: Prelim
Question Discussion,
7pm, Fireplace Room,
McNeal Hall

TUE - Staff Meeting, 8:30am,
394 AldH

- **Brown Bagger Slide**
Show: *Native Naturized
Plants of the Kettle
Morraine Pt. 2* (If you
didn't attend the first
part last week, come
anyway!), Michael
Heim, Noon, 394 AldH

- **Coffee Hour, 2:30pm,**
394 AldH, Treaters: B.
Lamb, S. Desborough

- **Entomology Seminar:**
*Recent Refinements in
Estimating Economic
Injury Levels of
Insects*, Scott Hutchins,
3pm, 490 Hodson Hall

WED- **E n v i r o n m e n t a l**
Physiology Journal Club
(subject posted in
Hardiness Lab), Noon,
108 Student Ctr (all
are welcome)

- **Wednesday Seminar:**
*Changes in Endogenous
Cytokinins in Relation
to Soybean Pod Set*,
Carol R. Wylie, 4pm,
415 AldH

THR - Floriculture Discussion:
*Update on Hormones in
Horticulture*, Mark

Brenner, 8:30am, 398
AldH

- **Endangered Plants**
Lecture Series: *MN's
Natural Heritage
Program - Locating &
Preserving the State's
Endangered Flora*,
Welby Smith, 7pm,
Arboretum

FRI - Plant Hardiness Disc.:
*Environmental Research
in Morocco*, Bud
Markhart, Noon, 398
AldH

* * *

*Out of respect for the Office
of University President, there
will be no mention in this
week's Twig Bender of the
1.3 million absorbed by the
recent restoration of
Eastcliff. - Ed.*

* * *

CORRECTION ON LIBRARY HOURS

Twig Bender goofed on a
grand scale last week when
we incorrectly announced
that the entire St. Paul
Campus Central Public
Library would have
abbreviated hours this
quarter. **ONLY THE
REFERENCE UNIT IS
AFFECTED BY THESE
HOURS**, which are listed,
again, below. We regret the
error.

Reference Unit Winter Hours:

Mon-Thr	9am-5pm
Fri	9am-4:30pm
Sat	1pm-5pm
Closed Sunday	
Mar 21-25	9am-4:30pm

VALENTINE'S DAY SKIT PARTY

The rumors are true. Friday,
February 12th will be the
day that the annual
departmental skit party will
be held. At this time, Nancy
Hinrichs is not sure whether
there will be any skits
presented. It's not too late
to get your act together. If
you are planning on doing a
skit, please let Nancy know.
This event will take place in
the classroom in the
headhouse at 3:00 p.m. Please
bring something good to
share, not to throw.

PRELIM QUESTION

Att'n all Grads: Prelim
Question is on Thursday.
Please see Evonne to pick it
up.

ATT'N WORD PERFECT SOFTWARE OWNERS

An order is being placed for
5.0 upgrades @ \$40/pkg. See
Andrea in room 305 A.S.A.P.
for details.

LAB ETIQUETTE

A friendly reminder - if you
are working with some nasty
compounds (e.g. radioisotopes,
neurotoxins, protease
inhibitors) and wear gloves,
please be conscientious of
others. Don't wear
contaminated gloves to open
doors, pick up the phone, use
the drinking fountain, etc.
Thank you for your
consideration.

Please see reverse

FUN FACT

Incredible But True: In the little time it has taken you to read this much of Twig Bender, the temperature outdoors has dropped another four degrees!

CHILDREN IN SEARCH OF PLANT WORK

Bud Markhart reports that he was visited by a writer from Int'l Ag who has two children (12 and 14) who are fascinated by plants and have "covered the house in plants". The kids have expressed interest in working in a green house or garden doing anything. This enthusiasm is something that would be great to encourage. Does anyone have any ideas? If so, please let Bud know and he'll put you in touch with the writer. Thanks.

BRAND NEW GSC GRAD STUDENT REP

Congratulations to Rick Stapfer, new GSC graduate student representative. Rick replaces Cheryl Englekes, who is now a graduate student in Plant Pathology. Rick finished one vote behind Cheryl in the voting last summer, so he was the logical choice for a replacement.

GRAD STUDENT MTG COMING UP

There will be a meeting for all grad students on Wed., Feb. 17 at 4pm (replaces Wed. afternoon seminar) in Rm. 415. Further details in next week's Twig.

EC CLASSES CANCELLED ON CAUCUS NIGHT

All EC classes scheduled to begin at 5pm or later on Minnesota Caucus night Tuesday, Feb. 23, will be cancelled. Please feel free to call Bill Van Essendelft, Associate Director, Extension Classes, at 5-5058 or his secretary Steve Osthus at 4-8831 if you have any questions.

FURNITURE NEEDED

Ok Young Stadelmann is trying to round up some old furniture (beds, desks, tables, etc.) for our two visiting professors and their families. Anyone who wants to sell or get rid of unneeded items, please contact her at 4-7466.

POLL RESULTS

A recent Twig Bender/Washington Post survey shows that of registered Republicans likely to vote in the Iowa caucuses, 2% support George Bush, 5% support Robert Dole, and a whopping 93% favor themselves as President of the U.S.

Democrats favor Paul Simon at 3%, Art Garfunkel at 29%, and an overwhelming 68% favor CBS anchorman Dan Rather as this country's next President.

A survey of both IR and DFL Iowa voters show that 98% of them prefer basking in the national media limelight to getting up at 4am to milk cows in a windchill of -40°F. (This survey has a margin for error of ± 200%.)

This has been another attempt by Twig Bender to keep our readers up-to-date on important issues while, at

the same time, permitting us to tweak the nose of the Eastern Establishment Press which thinks we're just "another hick newsletter".

GRAD STUDENT MERIT AWARDS

First Notice! Graduate student dossiers for Grad Student Merit Awards are due to Evonne by April 1, 1988. See page 20 of the Blue Book for more information.

GRAD SCHOOL FELLOWSHIPS

Last call for nominations for Graduate School Fellowships. Faculty who are in contact with outstanding prospective students should contact Jim Luby or Mark Brenner *immediately*. Nominations are due to the Graduate School by Feb. 12.

ARE FRIDAY NECKTIE DAYS REALLY A GOOD IDEA?

A study summarized in *American Family Physician* reports that men wearing ties had lower aptitude scores than those more comfortably dressed. Cornell University, which conducted the study, theorizes that reduced blood flow to the brain accounts for a decline in the "rapidity of visual response". The editor at *Twig Bender* can confirm this. The more often he wears a necktie, the more trouble he has tying it on the next time. Record time so far: One Hour, 45 Minutes. (Thanks to Brian Corr for this item.)

Have A Week With No Brain Damage!

TWIG-BENDER

Volume #6 - #99 - Feb. 12, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticulture Sci & LA
Editor: Jay Hopkins

DATES AND TIMES

TUE - Graduate Studies Mtg,
8:30am, 398 AldH

- Coffee Hour, 9:30am,
Host, N. Hinrichs, 394
AldH (A pleasant time
is guaranteed for all.)

WED- Environmental
Physiology Journal
Club, Noon, 108
Student Center (see
Hardiness Bulletin
Board or Bud Markhart
for topic)

- Grad Student Mtg,
4pm, 415 AldH

- Seminar: *Solar Access
and the Urban Forest*
(Pt. 1), Robert Thayer,
7:30pm, 55 Arch.

THR - Hort Plant Breeding
Discussion: *Critique of
Courses and Curriculum
in Plant Breeding*,
Noon, 398 AldH

- Seminar: USDA
Biotechnology
Permitting Process for
Introduction of
Genetically Engineered
Microorganisms, Arnold
Foudin, 4pm, 335
Borlaug

FRI - Plant Hardiness
Discussion: 1) *An
Update on ABA-induced
Chilling Resistance in
Corn Cells*, 2)
*Mathematical Models
Discussion Between
Stress and Strain
Relations*, Z. Xin,
Noon, 398 AldH

* * *

*We were mighty grateful that
William "Judge" Search's in-
house review of FBI practices
vindicated the Feds of any*

*domestic espionage. Those
guys in sunglasses and
polyester suits we discovered
going through our files must
have been telling the truth
when they told us they were
looking for a 13-U bus
schedule.*

*Paranoia is an ugly thing,
and Twig Bender would like
to take this opportunity to
apologize to the Bureau for
getting jumpity and sacking
our entire staff a couple of
weeks ago. It seems we
weren't under investigation,
after all. Oh well, our
staffees were a lazy bunch
anyway, and things are
moving much more smoothly
since filling our rosters with
College Republicans. And
what a fun, security-minded
bunch! They keep changing
the locks on us and
shredding our correspondence
before we have a chance to
read it (this is why there
will be no "Letters to the
Editor" section this week).*

*Anyway, now that we're
running a tight, clean as a
whistle ship, we'll do our
best to keep dissident
editorials to a minimum.
From now on, everything
submitted by our scribes will
be rushed to New England
and cleared with Pat
Robertson. No need for
acronymic gov't agencies to
scrutinize us anymore. We're
100% Made In The U.S.A. and
proud of it. To prove it,
we'll hardly even mention
President Keller's startling
1.4 million renovation of
Eastcliff. Not much, anyway.*

*Enjoy the new, mostly-pure
Twig Bender.*

* * *

**CANCELLED
MEETINGS**

No Monday Night Seminar on
Feb. 15.

Also, there's no Wednesday
Night Seminar. A Grad
Student Mtg will take place
instead. (see calendar above)

* * *

DR. THAYER SPEAKS

"Solar Access and the Urban
Forest," is the name of a
two-part presentation by Dr.
Robert Thayer, Hill Visiting
Professor, Landscape
Architecture. Part One,
*Bushwhacking the Regulatory
Jungle*, takes place Wed.,
Feb. 17, in Room 55
Architecture (see calendar
above). Part Two: *Stalking
the Solar-Friendly Tree*, will
take place the following
Wed., same time & place.

* * *

FREE TUITION

Grad Students interested in
free tuition for a quarter (as
early as Summer Session I)
would be well advised to
scan the grad bulletin board
for info on the "Grad School
Tuition Scholarship".
Scholarships are based a
academic merit, with some
consideration for financial
need.

* * *

ALUMNI UPDATE

Recently, Dr. White ran into
former Turf students and
thought readers might be
interested in four success
stories. One former student
is general manager of Sun
City Recreation Centers, Inc.,
with eight gold courses and a
\$10 million budget; one is
superintendent of Indian

Wells Country Club, home of the Bob Hope Classic (you saw it on TV); another is owner of a landscape maintenance company in Texas that grossed over a million dollars in 1987; and one is National Sales Manager for Scott's Professional Products Division. This says something good about our students and department!

* * *

AMAZING BUT TRUE

This just in: Despite the best wishes of Kenneth Keller, word of Eastcliff's elaborate refurbishing has reached the West Coast. Regents report that offers to buy the celebrated mansion have been pouring in. The most unusual stems from Walt Disney, Inc., which, having already conquered the tourist industry in California, Florida and Japan, hopes to cash in on the much-neglected Upper Midwest with its proposed "Disneyland-East".

At press time, plans remain contingent upon getting the University President to agree to conduct weekly tours of his pleasure palace. "Lord knows, I don't object to showing off the place," says Keller, "but that mouse costume is just too darn hot." Still, Keller admits that the Disney offer is much more attractive than the offer received last week from Edmonton's Ghormezian Brothers, who hope to transform Eastcliff into a shopping mall. "No matter what Rudy Perpich says, they're not putting a roller coaster in my living room!" insists the U Prez.

We say, "Loosen up, Ken." Let's change "Commitment to Focus" to "Commitment to

Fun" and give those Ivy League schools a run for their money.

* * *

GRAD MTG

Att'n all grad students! Do you want to develop better posture, be more popular and have a whiter smile? All this and more at the winter quarter graduate student meeting. Add'l topics on the agenda: Alderman hall beautification, outstanding grad students awards, Xerox policy, and much, much, more.

Please see Brian Corr before the meeting if you would like other items discussed. Please join us Wed., Feb. 17 in Rm 415 at 4pm.

* * *

IMPENDING LEAVES

The following individuals are being recommended for Faculty Single Quarter Leaves by the VP for Academic Affairs: C. Gustav Hard (fall), Leonard Hertz (spr), and Donald White (wtr). Congratulations.

* * *

EVERYTHING YOU ALWAYS WANTED TO KNOW ABOUT SOYBEANS

The Center for Alternative Crops and Products is sponsoring a symposium on "Soybean Utilization Alternatives". It will be held Feb. 16-18 (i.e. next week) at the Radisson South Hotel. University faculty, staff and students can get in for a reduced rate of \$80.00.

Contact Laura McCann for further info.

* * *

IN MEMORIAM

Our sympathy to Martha Rebhorn, whose father passed away last week. He lived to a wonderful age of 101!

* * *

A MIND IS A TERRIBLE THING TO BASTE

The Cooperative State Research Service, USDA, is sponsoring another Research Apprenticeship Program for high school juniors and seniors. To participate, researchers need to fill out a handy little form available through Laura. The deadline is March 25.

* * *

NEW IN PRINT

New publication: *Effects of Thidiazuron and CPPU on Meristem Formation and Shoot Proliferation*, by Cynthia D. Fellman, Paul E. Read, and Mary A. Hosier, in HortScience 22:1197 - 1200.

* * *

BIOTECH APPLICATION

Dr. Jeanne Romero-Severson of Agrigenetics, Inc. will be here Feb. 26 for group discussion on application of biotech to some of the plant breeding problems in horticulture. Those interested contact Dave Davis.

Have A Wizard Week!

TWIG-BENDER

Volume #6 - #100 - Feb. 19, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci/LA
Editor: Jay Hopkins

DATES AND TIMES

MON- Special COA Faculty Assembly, 3-5pm, Rm B-45 Classroom Office Bldg. (see notice below)

- Plant Breeding Sem.: *Environmental Implications in Breeding for Disease Resistance*, G. Pomeranke, 4pm, 306 Borlaug

- Monday Night Disc.: *Breeding Fountain Grass for Ornamental Use*, M. Meyer, 7pm, Fireplace Rm, McNeal (After-session: Wes Hackett's)

TUE - World Renown Coffee Hour, 9:30am, 394 AldH, Host: M. Stahler

- Slide Show (Brown Bagger), *Spring Fever: Flora On Dr. Ascher's WI Farm*, Noon, 394 AldH

- Entomology Sem.: *Evolution of Wing Color Pattern in Pierid Butterflies*, Joel Kingsolver, 3pm, 490 Hodson

WED- Environmental Physiology Journal Club, Paper for discussion: Li and Walton, 1987. *Plt Physiol* 85:910-915, Facilitator: Bud Markhart, Noon, 108 Student Ctr

- Wednesday Sem.: *Taking the Wild From Wild Rice*, R. Stucker, 4pm, 415 AldH

- Sem.: *Solar Access and the Urban Forest, Pt. 2: Stalking the Solar-Friendly Tree*, R. Thayer, 7:30pm, Rm 55 Architecture

THR- Floriculture Disc.: *Microelements - Deficiency and Toxicity Symptoms*, R. Stapfer, 8:30am, 398 AldH

- Endangered Plants Series: *Wildflowers, Orchids and Bulbs - Meeting Market Demands Without Collecting From the Wild*, C. Colston Burrell, 7pm, Arboretum

FRI - Sem.: *Antifreeze Peptides and Glycopeptides in Arctic and Antarctic Marine Fishes*, S. O'Grady, Noon, 135 AnSci/Vet Med Bldg.

SUN - *Endangered Plants Series (2 Programs): Roots of Life (slide presentation); Minnesota Connection-State Programs and How You Can Help*, S. Mah Kooyman, 1:30pm, Arboretum

* * *

After lengthy negotiations with the General Storehouse, Twig Bender has obtained an expensive paper stock which, being very, very thin, allows the backside to bleed through to the front, making it possible for the reader to actually read both sides simultaneously. This should make it possible to read the Twig Bender in only the half the usual time.

Since introducing this high priced upgrading of our paper stock, studies indicate that the average reader spends no more than 5.2 seconds reading this newsletter. Better still, some time-conscious readers elect to toss their "Twigs" into the nearest waste basket immediately upon receipt. . .the most agile accomplishing this in a commendable 0.2 seconds!

They can talk about their Cray supercomputers and SS Concords until they're blue in the face. When it comes to maximizing time efficiency, it doesn't get any more streamlined than this.

Welcome to the new, supersonic, maximum time-efficient Twig Bender. - Ed.

* * *

PLANT HARDINESS DISCUSSION NOTICE

There will be no "Plant Hardiness Discussion" session this week. Members are encouraged to attend Friday's "Antifreeze Peptides" seminar instead (see calendar above).

SPECIAL COA FACULTY ASSEMBLY

The agenda topics for this Monday's calendar item (see above) include: 1) Bus transport route, 2) Cleveland, Larpenteur and Gortner traffic issues, and 3) General discussion of the report, "Commitment to Focus Academic Priorities, 1988-1993". (There's also a Wtr Qtr Faculty Assembly scheduled for March 2. More later.)

ADVANCE NOTICE

Grad Faculty Mtg takes place Mar 14, 8:30am, 398 AldH.

ABSTRACTS DUE

March 1 is the deadline for getting abstracts to Michigan State University for the Aug. ASHS meeting. Dr. Wilkins has extra abstract forms, should you need any. Travel awards are available from Michigan State. See bulletin board in the back hall for details.

TRAVEL AWARDS

Graduate student travel awards to learn new techniques/skills at other universities are available. See Dr. Brenner to learn more.

MERIT FELLOWSHIP AWARDS

Applications for graduate student Merit Fellowship Awards are due April 1. Please see your advisor, Dr. Wilkins, or Dr. Brenner for details.

COMPLAINT NO. 1

"Whoever left the mess of small numbered bags under the big table in Room 277 (ICL) AldH, please return and clean them promptly. Thanks." *M.H.*

COMPLAINT NO. 2

"Today I used the Mettler balance in the headhouse weighing room to weigh some plant samples. I was afraid to touch the counter or place my lab book on it for fear of the pesticides which were spilled there. I would estimate these were 4 or 5 grams of assorted chemicals scattered about.

"Even those compounds with a high LD₅₀ may have long term effects on health. Roger assures me that these spills are not caused by the greenhouse staff, but are from students, faculty and staff weighing out pesticides. For the sake of everyone's health, please 1) avoid spilling pesticides, 2) clean up spills immediately, 3) turn off the balance when done, and 4) read and abide by the greenhouse rules which were distributed last week." *B.C.*

SOMETHING NEW: NOT A COMPLAINT

Beginning March 1, "Hertz" will replace "National Car Rental" as the University of Minnesota's

primary car rental supplier. Faculty and staff wishing to use this contract will need to reserve ahead using the University's corporate discount #, CDP ID 215479. When picking up the vehicle, the University renter must present the ID sticker. Obtain an ID sticker from Pat before you leave on your trip.

PLEASE POST

The third U of M Research Poster Session will be held May 25 at the Radisson University Hotel. If you'd care to submit an abstract for possible inclusion in the poster session, the deadline is April 8. Research in the areas of biological, biochemical and medical sciences will be presented. See back hall b.b., or phone Diane Konzen at 626-1951 for details.

OFF THE PRESS

New publication: Fritz, Vincent A., Shigemi Honma, and Irvin Widders, "Effects of Petiole Calcium Status, Petiole Location, and Plant Age on the Incidence and Progression of Soft Rot in Chinese Cabbage," *J. Amer. Soc. Hort. Sci.* 113(1):56-61.

GREEN THUMB = GREENBACKS

The Garden Writers Association of America has just announced its 1988 Annual Scholarship Competition, open to both grads and undergrads. Deadline is May 31. Please see Laura for details.

GREENHOUSE WORKER NEEDED

Dr. Widmer needs one graduate student to work 1/4 or 1/2 time for approximately 8 weeks in Botany greenhouses. Person will assist in caring for the plant collection and prepare plant materials for teaching purposes. Please contact Roberta Gladky

immediately at 625-4788, or Ann Caton at 625-7754. Thank you.

NEW SCHOLARSHIP

The Federated Garden Clubs of Minnesota are offering scholarships of \$200 each to deserving Hort/LA students. Deadline is March 11. Please see notice on bulletin board in front hall for details.

APPLES CAN KILL YOU

No matter what Jim Luby tells you, apples can kill you. Remember the adage, "An apple a day keeps the doctor away"? A vicious lie. Then there's the familiar expression, "As American as Apple Pie". A communist plot. (And don't forget what happened to "Snow White"!)

According to an AP wire story last week, scientists at the University of California-Berkeley have concluded that not only apples have natural carcinogens (albeit in very, very small quantities), so does broccoli, and other stuff heretofore regarded as "healthy".

On the otherhand, most things in Western society seem to be carcinogenic, perhaps even Twig Bender. Aawck! Quick! Drop this thing and wash your hands! "Nurse! Get my isolation suit and eye protection shield before it's too late!

"Oh yeah. . .I need two aspirin, too. No sense in having a cardiac arrest over this. And make sure everything comes out of a tamper-proof bottle. We baby-boomers can't be too careful if we hope to live long enough to bankrupt the Social Security System." - Ed.

**Have A Non-
Carcinogenic Week!**

TWIG-BENDER

Volume #6 - #101 - Feb. 26, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci/LA
Editor: Jay Hopkins

DATES AND TIMES

MON- Plant Breeding Seminar:
*Occurrence of Variation in
Highly Inbred Lines*, Mark
Hoffbeck, 4-5pm, 306
Borlaug

- Monday Night Discussion:
Prelim Question Discussion
(see news item this issue),
6pm, 394 AldH (pizza
courtesy of Dr. Bartz!)

TUE - Graduate Studies Cmte
(GSC) Mtg, 8:30am, 398
AldH

- Splendiferous Coffee Hour,
9:30am, 394 AldH, Host:
Wink Martindale (Roger
Meissner, really)

- Undergraduate Affairs
Cmte (UAC) Mtg, 11am,
398 AldH

- Slide Show (Brown
Bagger), *From Russia With
Love*, Robert Mullin,
Noon, 394 AldH

- Entomology Seminar:
*Catchnet Function and the
Distributional Ecology of
Caddisflies*, Don Alstad,
3pm, 490 AldH

WED- Environmental Physiology
Journal Club, Paper for
discussion (see below),
Facilitator: Sonja Maki,
Noon, 108 Student Ctr

- Wtr Qtr Faculty Assembly,
3-5pm, Rm B-45 Classroom
Office Bldg.

- Wednesday Seminar: *All
Flesh Is Grass*, D.B.
White, 4pm, 415 AldH

THR- Floriculture Discussion:
*Floral Effects on
Chrysanthemum Stock
Plants*, Mary Stuart &
Neal Anderson, 8:30am,
398 AldH

FRI - Plant Hardiness
Discussion: *C¹⁴*
*Translocation in Heat-
Stressed Common Bean
Cultivars Having Varied
Heat Acclimation
Potential*, Nawarat
Chaisompongpan, Noon,
398 AldH

- Celebrity Seminar: *There
Are Soviet Missiles In
Cuba Aimed At Your
Mother*, Pat Robertson,
12 Midnite, Fourth Floor
Storage Closet (RSVP via
Twig Bender)

* * *

*The Supreme Court sure bailed
out Twig Bender this week when
it reaffirmed the First
Amendment right of Larry Flynt
to publish a crude, scatological
parody of Moral Majority leader
Jerry Falwell. Not that we would
ever do such a thing ourselves.
Heavens no. But sometimes the
most innocent things can set
legal wheels in motion in this
litigious land of ours.*

*For example, we had no idea
that a decree was issued by "Pat
Robertson For President
Headquarters" warning the media
not to refer to the former
television evangelist as a former
television evangelist. And to
think we said it twice last
week!*

*Someone on our mailing list
must be a member of former
television evangelist Robertson's
"invisible army," because within
hours of publication, the former
television evangelist's legal
people were threatening us with
a trillion dollar law suit. Ouch!
If successful, the suit would
have forced us to "up"
subscription rates until sometime
into the next millennium.*

*Our shovel brigade hurriedly
threw together a public apology,*

*originally slated for this space.
However, since hearing about
the Reinquist Court's 8-0
decision bolstering free speech,
we've altered our statement to
reflect our true feelings. It
reads as follows:*

*"Twig Bender regrets referring
to Rev. Pat Robertson as a
'television evangelist'.
Furthermore, we respect his
wishes to be described as a
'religious broadcaster'
(presumably to differentiate
himself from broadcasters who
happen to be heathens).*

*"Nevertheless, we're going to go
right on describing him as a
former 'television evangelist,'
which is, after all, what he is.
Sticks and stones may break our
bones but ill-conceived libel
suits will never hurt us. Put
that in your pipe and smoke it."*

*Next week, we reconsider an
apology to Jimmy Swaggart.*

Thank you. - Ed.

* * *

PRELIM QUESTION REVEALED

*"Harvest Index," defined as
harvested plant biomass divided
by total plant biomass, is a
concept developed in agronomic
crops where dry material is
usually the harvested product.
Harvest index is measured to
characterize partitioning of
photoassimilate in efforts to
optimize production efficiency
through genetic or cultural
manipulation.*

1. Discuss the relevance of the
harvest index concept on
horticultural crops where the
quality and mass, usually
measured as fresh weight, are
commercially important.

2. Contrast how the harvest
index concept applies in

perennial crop species compared to annual species.

3. Describe 3 examples of the utilization of horticultural practices to modify harvest index in perennial horticultural crops.

ADVANCE NOTICE

Grad Faculty Mtg takes place Mar 14, 8:30am, 398 AldH.

SHE'S OUTTA HERE

Rosemary Ratasky will be leaving our Accounting Office to begin working in University Payroll. She'll be missed. Good luck, Rose!

OLSON MEMORIAL LECTURE

The Kermit Olson Memorial Lecture will be presented by Professor Robert L. Thayer, Jr. on Monday, Feb. 29 at the Earle Brown Continuing Educational Center at 7:15 pm. Dr. Thayer will speak on "Landscape Design for Resource Conservation".

Preceding the lecture, scholarships and awards will be presented. For the first time, the Alderman Memorial Graduate Award will be given to an outstanding graduate student. A reception honoring Professor Thayer and the recipients of the awards and scholarships will follow the lecture.

THANKS EXPRESSED

A hearty "thanks" to the front office for covering the bases while Martha and Evonne were gone last week. Signed, "Appreciative Faculty".

THE ART OF PERSUASION

Volunteer(s) needed: The office staff will be participating in a

workshop the morning of Tues., Mar. 15. Laura is requesting a graduate student or two to person the switchboard and direct walk-in callers. The workshop will be from 8am to noon. Not to be taken as a threat, but if at least one kind grad student doesn't volunteer, Laura promises to make the rounds requesting assistance "for the good of the department". Thanks very much.

ATT'N: GRADS

The University has a provision for some grad students to pay 1/2 rate tuition. Until recently, this has not been a factor for students with a 50% or greater assistantship, since tuition is paid. However, under the new tax laws this tuition waiver is taxable. Therefore, if you are eligible, it makes sense to apply for 1/2 rate tuition, since the waiver will be on this reduced rate, leading to reduced taxes. Students who have registered after Fall 1983, and meet the U's definition of having been registered (PhD - 9 qtrs, MS-4 qtrs) are eligible. The application for this tuition reduction is available at registration stations.

WE TAKE A DIM VIEW OF THIS

We always thought that trying to find lost spectacles was kind of like looking up the spelling of a word you don't know very well in the dictionary. You're defeated before you begin.

Nevertheless, if you can read this, you're not "too close," but actually in luck if you lost your eyewear outside of Dr. Hackett's house last week. Dr. Hackett found peepers (in a purple case) outside of his house after the Monday Night Discussion.

To claim, see Kathy in 305. First, you'd better have someone lead you to Room 305. . .we'll take it from there.

VERY FRIENDLY WITNESS

News of money sunk into Eastcliff and subsequent eye-opening audits of Morrill Hall renovation and mammoth cost overruns with the U phone system (we're still trying to figure out how our phone works) has convinced some U administrators that indulgence in hedonistic budgetary extravagance is interpreted at the U as a "career move".

A case-in-point: Hort Director Dr. James Bartz recently insisted that one of our investigative reporters review the "luxurious" refurbishings of his office in Alderman Hall. "Take a look at this table," Dr. Bartz insisted. "Completely refinished at University expense." Still, the table, costing a mere \$14.95 to refinish, pales in comparison to the President's \$10,000 desk. Also, Dr. Bartz's roadtrip to Ax-Man Surplus to pick out the table can probably be forgiven in light of the U's expeditions to New York and Chicago to select furnishings for Morrill Hall.

Frankly, Twig Bender is reluctant to pursue further investigation of Dr. Bartz's budgetary "indiscretions," despite his continued insistence that we do so. Besides, \$1.25 for a new ink blotter just doesn't seem newsworthy to us. Perhaps if the legislators carry out their threat of a complete, University-wide audit, Dr. Bartz will find his office expenditures listed somewhere under "Other".

Twig Bender will be happy to carry their report at that time.

Have A Renovative Week!

TWIG-BENDER

Volume 6 - #102 - March 4, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

DATES AND TIMES

MON- Plant Breeding Seminar: *In Vitro Selection for Herbicide Resistance*, Eric Jellen, 4pm, 306 Borlaug

- Monday Night Discussion: Canceled.

TUE - Faculty Mtg, 8:30am, 394 AldH

- Hill Visiting Professor Lecture: *Windfarms: California's Newest Energy Source*, Robert Thayer, Noon, Student Center

- Seminar: *Odd Or Even?: The Cosmic Implications Of Blind Luck*, P. Ascher, 12:07pm, Acme Marble Co (RSVP via Twig Bender)

- Increasingly-Popular Coffee Hour, 2:30pm, 394 AldH, Host: Martha Piechowski

- Entomology Seminar: *Corn Borer Resistance in Mexican Corn*, David Jewel, 3pm, 490 Hodson

- Wednesday Seminar: *We're Meeting On the Wrong Day. See You Tomorrow*, 4pm, 415 AldH (RSVP via Twig Bender)

WED- Environmental Physiology Journal Club, Noon, 108 Student Ctr, Facilitator: Bud Markhart (see Hardiness Lab Bulletin Bd for paper)

- Wednesday Seminar (for real): *Genetic Markers in Chrysanthemum*, Neil Anderson, 4pm, 415 AldH

THR- Floriculture Discussion: *Greenhouse Tour of Floricultural Studies*, 8:30am sharp, Headhouse

FRI - Plant Hardiness Discussion: *Deep-Supercooling in Plant Organs*, Phil Allen, Noon, 398 AldH

- Brown Bagger: *I'll Trade You My BLT For Your Tuna Fish Sandwich But Only If You Throw In the Pickle*, Anonymous Undernourished Grad, Noon, Staff Lounge (RSVP via Twig Bender)

* * *

In deference to readers who are annoyed by these silly introductions, there will be no preface from the editor this week.

Well, the reality is that we can't think of a thing worth mentioning in this space. (Albeit that has seldom stopped us in the past.) It's not easy handling all this responsibility, you know. Juggling the dates of seminars, lectures, and routine pig-outs, while extracting pertinent information from bombastic press releases is pretty darn demanding, we must say.

That's why this week, we're sending out a feeler to readers who might be attracted to the mythical but glamorous amenities that are indigenous to putting together a prestigious newsletter like Twig Bender. If you'd like to be editor for a week (or a month, year, or lifetime - it's your choice), just drop us a legible note to that effect (in the English language) and you could find yourself sitting in a "Throne Of Power" by this time next week. The mind boggles, doesn't it? (If it continues to boggle, we suggest trying Tylenol.)

Until that time, readers will have to put up with the usual gratuitous, self-indulgent

editorial interjections (like this one) which have, unfortunately, become our trademark.

Anyway, we hope no one objects to the lack of a preface this week. Wait! Looks like we got one, anyway. Oh well. . .we hope no more people object to the presence of a preface this week, than usual.

The Editor

* * *

ARBORETUM PANCAKE BRUNCH

The Arboretum is organizing a pancake brunch for Sat. & Sun., Mar 26-27, featuring fresh maple syrup and pancakes made from freshly-ground wheat. In addition, the "sugar bush" (where the syrup is processed) will be open for inspection. Saturday's dining hours are: 9am-1pm. Sunday's are: 10am-2pm. Admission: \$3 Adults/\$1.50 Kids under 13 yrs.

The Arboretum's looking for volunteers to help out. Phone Phil Bird at 474-6886 for details.

AGITATION SANS CAFFEINE

The coffee bill must be paid. All I.O.U.'s are hereby called-in. (Ouch! This is going to dig into Twig Bender's cash reserves!-Ed.)

LEAVE OF ABSENCE

On March 23, 1988, Roger Meissner will begin a two-week paternal leave of absence, while tacking on an additional one week of vacation. Roger won't officially return to work until April 18, however, he will come in occasionally to check on the greenhouse operations.

Should any problems arise during this period, please contact Roger at 425-0655.

GARDEN PLOTTERS

There will be garden plots this year although the details have not been finalized as of yet. Please sign up on the Grad Board if you are interested.

WEEKEND WATERERS

It's venting season again. When the temps outside reach the 40°F mark, it's time to crack those greenhouse vents open. Make sure that the vents are closed at night. Any freeze-ups due to open vents will be repaired at the department's cost.

LOST

A Teddy Bear needlepoint has been found in the main office. See Kathy to claim.

SEEDY SUCCESS

Barb Fick will be ordering copies of *Park's Success With Seeds* from the Park Seed Company. The price is dependent upon the size of the order, but will be under \$10. Anyone interested in ordering a copy should talk to Chad Finn.

IN MEMORIUM

We regret to report the loss of Dr. Neil Stuart of Tennessee. Dr. Stuart was a distinguished USDA scientist in floricultural physiology, as well as a Fellow and past president of the ASHS.

Condolences may be forwarded to: Mrs. Anita Stuart, Mt. Creek Manner, Apt. 306, 1005 Mt. Creek Rd., Chattanooga, TN 37405-1015.

GRADS ATTENDING ASHS MEETING

Students planning to attend the forthcoming ASHS meeting in East Lansing should let Evonne know so that she has a handle on the possibility of renting a van or mini bus. Her note to Twig Bender says "place a note on my desk or in my mailbox." Adventurous individuals may elect to approach her directly, though this publication does not actually recommend it.

ADVANCE NOTICE

Grad Faculty Mtg takes place Mar 14, 8:30am, 398 AldH.

PRUNING SPREE

All you happy horticulturists harboring a secret passion for shearing the shape of the future have a unique opportunity to come out of the woodwork. Please bring your best pruning shears and join Julie Padrutt & Brian Corr on Fri., Mar. 11 at noon, to prune the 3rd floor entrance junipers (weather & enough helpful hands permitting). RSVP via Julie or Brian's mailbox. Thanks.

HEARTFELT THANKS

Special thanks to Bridgett Ruemmele and Dave Rubino for their generous contribution to the Graduate Student Card Fund!

* * *

CORRECTION

Twig Bender was in error last week when we reported that Hort Director Dr. James Bartz's office table cost \$14.95 to refinish. (That's the last time we listen to "Stribe" columnist Doug Grow!)

Having just completed our own exclusive, exhaustive and unexpurgated audit of Physical Plant operations (not to be confused with those other, less reliable, audits being conducted by Morrill Hall and the State Legislature), we can now reveal the cold, cruel truth: it actually cost \$15.95 to refinish the table.

When confronted with these figures, Dr. Bartz hurriedly offered to spring for the cost of the refinishing, provided the table be installed with a gold-plated commemorative plaque acquainting future administrators with his altruism. After a quick, relatively-inexpensive consultation with Physical Plant, the department has ascertained that production and installation of said plaque would only set the department back app. \$3800. More importantly, these expenditures would not be subjected to the scrutiny presently being afforded the ongoing public audits.

While a decision has not yet been reached, the general feeling around Hort is that such a plaque would enhance Dept. prestige exponentially, not to mention "wow" visitors for generations to come. Or, as one source who didn't want to be identified put it, "Who knows? Some as-yet-unknown 'visitor of the future' might be persuaded to contribute greenbacks to Hort's nearly-exhausted coffers. Let's try to look at the 'big picture' on this, okay?"

Sounds mighty impressive. Still, we wonder if a commemorative paperweight wouldn't accomplish the same thing. Oh well, such outwardly counterproductive revenue-generative strategies tend to be a bit beyond Twig Bender's rather limited comprehension.

Have A Circumspect Week!

TWIG-BENDER

Volume 6 - #103 - March 11, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & LA
Editor: Jay Hopkins

DATES AND TIMES

TUE - Coffee Hour, 9:30am, 394 AldH

- Slide Show: *Spring Fever*, Pete Ascher, Noon, 394 AldH (bring your lunch)

FRI - Special Seminar: *Monoterpene Development in "Gewurtztraminer" Under Different Cultural Practices*, Dr. Andrew Reynolds, 3pm, 394 AldH

* * *

HOST FAMILIES NEEDED

The MAST International Program sponsored by the Minnesota Extension Service is looking for families who would be interested in hosting international agricultural trainees during their three day orientation on campus. These student-trainees are between the ages of 20 and 30 and arrive from Australia, China, Denmark, Finland, France, Germany, Ireland, New Zealand, Poland, South Africa, Sweden, and the United Kingdom.

The trainees will arrive on Mon., Mar 21 and will stay with families in the Twin Cities area on the evenings of Mar 21, 22 and 23. During the day they will participate in an orientation session at the St. Paul campus.

If you are interested in hosting 1 or 2 trainees, please contact Sue Rains-Johnson at the MAST International Office, 624-3740 as soon as possible, or use the form available through Laura.

* * *

FORMS AVAILABLE

Copies of teaching evaluation forms used by Bill Rempel with a

class taught through the cooperative learning method were sent to retreat attendants with teaching responsibilities. If any grad students or others wish copies, contact Deb Brown.

* * *

JOB AVAILABLE

The City of St. Louis Park is looking for two assistant gardeners for the summer months. Call Cindy O'Neil at 924-2562 for info.

* * *

HOW TO SNAG A JOB IN ACADEMIA

Evonne has a copy of the booklet, *How to Apply For an Academic Position*, available for grad student perusal. Included are such things as "outline for an academic resume," "letter of application," "the interview preparation," and other great lists. For a limited time only (i.e. until the stockpile of three copies is exhausted) any interested grad student can pick up a free copy from Brian Corr.

* * *

REDEMPTION GUARANTEED

An "un-numbered" 35mm projector case and projector are missing. It was last seen Feb. 25. Please return it to room 326 and notify Dr. Mullin (anonymously if you prefer).

* * *

EXPLORE PLANT BREEDING CONCEPTS IN DEPTH

Hort Students interested in Plant Breeding Agron 8280: Current Topics in Plant Breeding (2 credits) is being offered this

spring by Dr. Stucker. During the week of Mar 14-18 an organizational discussion meeting will be held to decide topic and format. It's an opportunity to explore plant breeding concepts in-depth within the context of a group of other interested peers and invited faculty members. See notice posted by grad mailboxes for further information. If interested, please call Dr. Stucker at 625-2738.

* * *

NEW PUBLICATION

Davis, David W. and James J. Luby, "Some Current Options in the Use of Plant Variety Protection in Horticulture," *HortScience* 23:15-18

* * *

Have A Great Week!

award is in recognition for his longstanding support of and contributions to the IR-4 Project. Congratulations Dr. Hertz!

* * *

**INCOMPATIBLE?
PLEASE NOTE**

Anyone interested in participating in Incompatibility Discussions should see Dr. Ascher or Dave Larson right away. Their first meeting is scheduled for Wed., April 6, 12 Noon in 394 AldH. Compatible people are also welcome. Preferred, actually.

* * *

* * *

**WE HATE TO
SAY THIS, BUT...**

Reminder: Cost for departmental coffee for meetings is \$1.50/pot. We ask that you pay for your coffee voluntarily in order to save the office staff the embarrassment of asking for money. (Not that it would ever stop us.) Thanks.

"The Management"

* * *

DR. WIDMER WRITES:

"Learn about greenhouses from the inside out! Anyone desiring

agents with Hort Specializations. Since it's of general interest, we decided to distribute it with this issue. Thanks to Deb Brown for submitting it.

* * *

JOKES

The following jokes were submitted by a reader who prefers to remain anonymous. If you'd like to know who's responsible, just ask. We merely agreed not to identify the individual *in print*:

Q: Do potatoes play poker?

A: "Sure. Haven't you ever heard of seven-card spud?"

*

Q: Are mashed potatoes honest?

A: "Well, you have to take everything they say with a grain of salt."

*

Q: Who is the potatoes' hero?

A: "The lone potato."

*

Q: Why do potatoes vacation on the French Riviera?

A: "They like to see the French fry."

We said we wouldn't tell who submitted these. However, we would like to state at this time that the culprit was *not* Dr. Florian Lauer, if only for his own protection.

* * *

Have A Delirious Week!



**NO RESERVE FUND
AT YOUR DISPOSAL?
READ THIS.**

There's a new program for grad students allowing those with financial need to be eligible for work study funds. To determine eligibility, students must complete an ACT form (available at the Financial Aid Office). Processing this form requires approximately two months, so it should be completed as soon as possible. Call the Financial Aid Office (624-5260) if you have questions.

to be a teaching assistant for Greenhouse Management, HORT 1016, Spring Quarter, please see me in 458 AldH. I'll be happy to discuss the particulars with any interested party.

"Have a fine Spring."

* * *

**EXTRA ADDED
ATTRACTION**

Attached to the Twig Bender this week are rough notes to Todd Bachman's talk to county

TWIG-BENDER

Volume 6 - #104 - March 18, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & LA
Editor: Jay Hopkins

DATES & TIMES

March 21-25 Spring Break

* * *

MISSING STUFF

Please return all knives, forks, and spoons that you have borrowed to Shirley Munson or room 369. I need these utensils for operating the sensory panels.

* * *

MERIT SCHOLARSHIPS

A reminder that application materials for the Graduate Student Merit Scholarships should be given to Evonne by Apr 1, 1988.

* * *

ASHS ABSTRACTS

Att'n all students who turned in abstracts for ASHS meetings in MI: Please tell Evonne; GSC wants a head count so that financial plans and costs estimates can be made.

* * *

COMING SOON: GRATING, IRRITATING NOISE

Physical Plant will be testing the fire alarm system in Alderman Hall on Friday, March 25, beginning at 10am (no concluding time given!). It might be prudent to sign up for a crash course in sign language on Monday.

* * *

COGS

Remember, the tax workshop is March 30. Time and place will be announced.

Insurance info: Dave Rubino has come up with a copy of "COGS

Health Insurance Committee Report". This publication examines many of the pluses and minuses of the different health insurance options. A copy is posted on the grad board.

* * *

THANKS LOADS

Winter Term thanks from the students and greenhouse committee to the Custodial Staff, Greenhouse Staff (Roger) and Teaching Staff for keeping the greenhouse class area clean!

* * *

GARDEN PLOTTERS

Make sure to sign up for a garden plot on the grad board if you are interested. Further information will be coming soon.

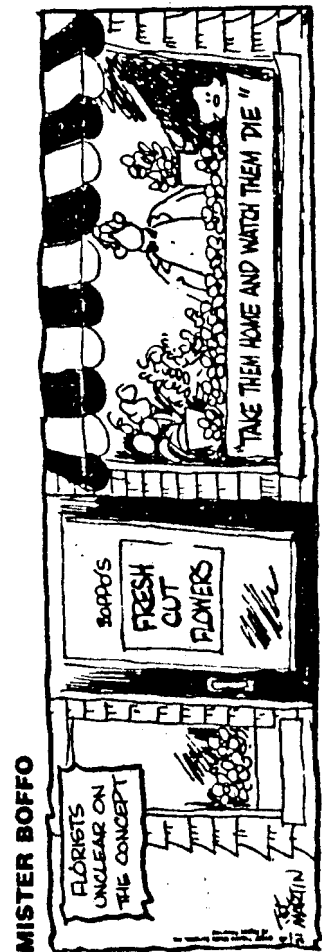
* * *

SOFTBALL SLUGGERS

Like the swallows to Capistrano and the Twin to the metro dome, so the Hort Horrors return to the U diamonds. A sign-up sheet will be on/near the grad student bulletin board. If you want to experience the thrill of victory and hopefully not the "agony of the feet" (Rick Stapfer can explain that), indicate favored times to play and/or practice. Please also indicate if you will be paying some form of recreational facility fees spring quarter. Any questions may be referred to Bridget Ruemmele, especially if you would like to know how to become the next manager.

* * *

Have A Great
Spring Break!



TWIG-BENDER

Volume 6 - #105 - March 25, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & LA
Editor: Phyllis George

DATES & TIMES

SAT - Pancake Brunch, 9am-1pm, Arboretum (see item below)

SUN - Pancake Brunch, 10am-2pm, Arboretum (see item below)

MON- Floriculture Discussion/Seminar Group: Outstanding Papers Published in 1987, 1pm, 398 AldH

- Plant Breeding Seminar: *Strategies For Increasing the Lysine Content of Cereal Grains*, Robert Buehler, 4pm, 306 Borlaug

TUE - Delectable Coffee Hour, 9:30, 394 AldH, Hosts: Nancy Hinrichs, Neil Anderson; Parasites: Everybody else

- Entomology Seminar: *Insect Respiration-Acclimation to Low Levels of Oxygen*, Catherine Loudon, 3pm, 490 Hodson

WED- EBB Seminar: *Ornaments in Red Jungle Fowl-Testing Alternative Sexual Selection Hypotheses*, Randy Thornhill, 4pm, Zoology 313

THR - Undergraduate Affairs Committee Mtg, 10am, 398 AldH

- Desk Bashing: Former University President's \$20,000 Desk Demolished For Charity (\$.25 a swing), Noon, Music Listening Room, Student Ctr (RSVP via Twig Bender)

- Retirement Reception for Jane Price McKinnon, 2pm, Foyer, AldH

FRI - Plant Hardiness Discussion: *Deep-Supercooling in Plant Organs*, Phil Allen, Noon, 398 AldH

* * *

"Welcome Back To School," everyone. Aren't you getting a little old for this? Time to get out into the real world!

* * *

ARBORETUM PANCAKE BRUNCH

The Arboretum is having a pancake brunch on Sat. & Sun., Mar. 26-27, featuring fresh maple syrup and pancakes made from freshly-ground wheat. In addition, the "Sugar Bush" (isn't he running for President?) will be open for inspection (must be somebody else). Hours listed above. Admission: \$3 Adults/\$1.50 Kids under 13 yrs. (Those 13 yrs old are outta luck. From now until voting age, you are officially nonentities.) Phone Phil Bird @474-6886 for details.

* * *

SEEMS ONLY 17 YEARS AGO

Nostalgia is sweeping the country. In fact, last week looked so much like the activist sixties that many peaceniks and more robust police-types couldn't actually tell the difference between 1968 and 1988.

Always eager to mindlessly pursue a trend, *Twig Bender* is pleased to remind readers that

Alderman Hall (the building, not the alderman) was dedicated March 23-26, 1971. (Where have the years gone?) There was an entire week choke full of activities and symposia. U President Malcolm Moos cut the ribbon. College of Ag's Dean Sloan said, "Welcome"; Institute of Ag's Dean S.O. Berg gave a talk and Head of Dept. A.A. Duncan smiled all week. Bill Hueg, Director of the Experiment Station, presided over the whole event.

* * *

GRADS ATTENDING ASHS MEETING

Students planning to attend the forthcoming ASHS meeting in East Lansing should let Evonne know so that she had a handle on the possibility of renting a van or mini bus.

* * *

NEW BORN NEWBORN

Congratulations to Denise and Roger Meissner, proud parents of a spanking-new baby boy (well, the spanking hasn't really started yet). Jeffrey Allen Meissner entered the world as we know it on March 25, weighing-in at 8-plus ounces.

* * *

FURTHER CONGRATS

The University of Florida's Institute of Food and Agricultural Sciences sends word of Leonard Hertz's receipt of the IR-4 Meritorious Service Award from the North Carolina Region for 1987. The

TWIG-BENDER

Volume 6 - #106 - April 1, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & LA
Editor: Jay Hopkins

DATES & TIMES

MON- Floriculture Discussion: Review of JASHS Papers On Florist, Nursery and Turf Research, 1pm, 398 AldH

- Plant Breeding Seminar: Strategies For Increasing the Lysine Content of Cereal Grains, Peter Sallah, 4pm, 306 Borlaug

TUE - Bulimics Anonymous (aka Staff Coffee Hour), 9:30am, 394 AldH, Altruists: The Two Lauras (not to be confused with "The Two Ronnies")

WED- EBB Seminar: Genetics and Nursing Behavior in Mexican Free-tailed Bat Maternity Colonies, Gary F. McCracken, 4pm, 313 Zoology (preceded by blood & cookies at 3:45pm)

- Seminar: A Sabbatical Year At the Agricultural University in Vienna, Austria, Ed Stadelmann, 4pm, 4:15 AldH

THR- Plant Membranology Seminar: Water Permeability of the Lipid Bilayer, Insun Chung, 4:30pm, 152 AldH (see notice below)

FRI - Brown Bagger Slide Show: Tour Of Jamaica, Lawford Baxter, Noon, 394 AldH (Baxter will provide Jamaican riddims, coffee and rum punch)

Several readers wrote in to inquire into the meaning of last week's birthday salute to the 40 year-old twins.

Well. . . actually, nobody even mentioned it. Pretty frustrating to us at Twig Bender, since it

reinforces our belief that nobody out there actually reads this rag. Regardless, we'll go on pretending that someone wrote in, just to give staff morale a shot in the arm.

(Note to Tipper Gore: The expression, "a shot in the arm," is not an advocacy of illicit drug use. We'll thank you to redirect your attention to scrutinizing the lyrics of those "morally ambiguous" rockers Frank Zappa and Ozzy Osborne. Twig Bender is as innocent as the day is long, and with daylight savings time starting up again this Sunday, we're even more public-spirited than usual this week.)

As we were saying in the first column, hundreds of readers wrote us asking about our birthday tribute ("Lordy, Lordy, the Twins Are Forty!"). The twins, to answer your imaginary inquiries, are the famous "Funkrot Twins". Elmer, the "eldest," is recognized by Guinness as the "tallest midget in the world," while his brother Bretwood, is "the world's shortest giant". They are, as of this writing, 40 years and one week old, which is, of course, 20 years, 3-1/2 days between them.

The "twins ad" was meant to inaugurate a new revenue-generating scam (er, scheme) at Twig Bender. Namely, the publishing of personal photographs on these pages, all for a price affordable to most two-income families.

To our horror and disgust, this idea has been stolen by marketing pirates at General Mills, who this week have made public their intention to similarly print Wheaties cereal boxes with the photos of anyone willing to meet the \$18.95 fee. This is the first time in Twig

Bender's long and tainted history that we actually originated a marketing ploy, rather than simply cashed-in on one.

Lord only knows where this practice will lead Madison Avenue (or, in GM's case, Golden Valley). We thought it was bad enough when we found ourselves lethargically opening our refrigerator door in the early a.m. hours, only to find ourselves staring at pics of anemic "Have You Seen Me?" children on the sides of our milk cartons.

Now, with the impending onslaught of packages brandishing mug shots of insecure but relatively affluent consumers, we're just as likely to find plug-uglies staring back at us from stockpiles of personal hygiene products as we are to find clubfooted babies on the familiar packages of Charmin.

Before things get way out of hand, Twig Bender is pulling up stakes. We simply do not wish to exacerbate the proliferation of products portraying peculiar personalities at this point in time. The aforementioned twins notwithstanding, you'll find no more photographs here.

"We'll see ya in the funny papers," but not, thank goodness, in Twig Bender. - Ed.

NEW LECTURE SERIES

As if we haven't got enough of these things already! (At least this one promises to be interesting.) Dr. Ed Stadelmann is organizing a series of seminars given by students on papers concerning plant membranes. If you'd like to contribute, please contact Dr. Stadelmann in Room 228. All

seminars are scheduled for Thursdays at 4:30 pm. The April 7 seminar will examine the D.C. Peterson paper, *Water Permeability of the Lipid Bilayer* (1985). The speaker is Insun Chung. Everyone is welcome.

XEROX IS DOWN

That headline is roughly the equivalent of "Dog Bites Man". If the photocopier was actually working, that would be news!

Well, on Tuesday, April 5, the machine will be disemboweled by a service person and quarantined the length of the day. The end result will (hopefully) be a photocopier with a new lease on life. Now if only we could get a lease on a new photocopier.

FAMILIAR REFRAIN

Hey Grads! Get your prelim question from Evonne this Thr. Arrive early and avoid the rush.

PARTY PARTY PARTY

You are all invited to a combination birthday party-farewell - Friday afternoon session for Anne Fennell. Takes place April 1, 5pm, at 1747 Malvern St. in Lauderdale (large white house on corner of Malvern and Jones). Beverages and brats will be provided.

Best of luck, Anne!

SEED SWAPPING

Hey all you avid gardeners- don't forget about the seed sharing box located on top of the grad student mailboxes. If you have extra seeds that you can't use, leave them in the box or swap them for those which others have contributed. This is a good way to try out a few plants of a

new variety without getting stuck with a ten year supply of seeds.

ASHS TRAVEL AWARDS

Grads are invited to submit copies of their ASHS abstracts to Dr. Bartz by April 11 in order to be considered for a \$100 travel award. Dr. Bartz will select and forward our quota of two abstracts from among those submitted. (Nationally, 33 awards will be granted.)

NEW DIAL U HOURS

Today Dial U begins summer hours. The clinic will be open from 9am - 5pm, Mon - Fri, thru Sep.

NEED EXTRA CASH?

Is that tweed jacket looking a little frayed around the edges? Been digging under sofa cushions for laundry money lately? Getting tired of the taste of tuna fish and white bread?

Then you may wish to consider the benefits to be derived from applying for the 1989-90 Fulbright Scholar Award. Research grants available (sorry, Ph.D.'s only!) for work in such exotic locales as Latin America, India, and Australasia (?).

Don't wait! Rush to Laura's desk in 305 and say, "What's this Fulbright deal, anyway?" She'll cheerfully give you a peek at the two-color brochure. But hurry, deadline for application is June 15th! In three months time, you could be well on your way to a perfect tan while enjoying the perks reserved for the intellectual darlings of the third world!

STRESS RESISTANCE IN LUBBOCK

The USDA-ARS laboratory in Lubbock, Texas needs to hire a research associate to work in stress resistance in plants, focusing primarily on cotton. To apply, see Laura.

NOW JUST ONE CALORIE

The ARGICOLA database is now available on CD-ROM in the St. Paul Central Library Reference area. The AGRICOLA database contains the "bibliographic records of materials acquired by the national Agricultural Library (NAL) and cooperating institutions in the agricultural and related sciences."

SPIELBERG NEVER HAD IT THIS GOOD

COA now has video equipment for the editing of video cassettes. Now you can excise those pesky educational spots from your library of "Care Bear" reruns. The equipment is housed in 209 Borlaug. Teresa Schoeder will provide easy-to-follow instruction on its use. Simply phone 5-1478 for a reservation.

SOFTBALL SOFTSELL

The Hort Horrors swing into action for Spring quarter with softball practice Mon., Apr 4 at noon on the St. Paul gym field. Their first game is Tue., Apr 5 at 7pm on golf course field #1. The team is guaranteed five games plus a chance at the play-offs. Anyone interested in joining (particularly women) should contact Bridget immediately. \$3 per person will help defray team registration costs. Thanks!

Bat 100 This Week!

TWIG-BENDER

Volume 6 - #107 - April 8, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & LA
Editor: Jay Hopkins

DATES AND TIMES

- MON-** Plant Pathology Seminar:
Rhythms of Diseased Plants,
Bill Kennedy, 3pm, 491 Borlaug
- Discussions in Hort Research:
*Effects of Postharvest Calcium
Application on Broccoli
Storage*, Thelma Miller, 7pm,
Fireplace Room, McNeal Hall
- TUE -** Staff Meeting, 8:30am, 394
AldH
- Project Colloquia, Bert
Swanson, 10am, 415 AldH
- Coffee Hour, 2:30pm, 394
AldH, Hosts: G Hard, Dave
Davis
- Entomology Seminar: *What Are
the Characteristics of High
Quality Scientific Research?*,
Rolphe Leary, 3pm, 490
Hodson
- WED-** Seminar: *Is There Life After
Hibberd?*, Kay Terry & Warren
Woessner, 4pm, 415 AldH
- EBB Seminar: *Role of
Rhizosphere Chemistry in
Plant Nutrition*, 4pm, Zoology
313
- FRI -** Hardiness Discussion:
*Microtubule Stability and
Cryoprotectants*, Marna
Ericson, Noon, 398 AldH

* * *

BUTTERFLY GARDENS

Butterfly expert, Mathew Tekulsky, will tell gardeners how to design and plant a garden that will attract colorful butterflies at a program on Saturday, April 16, from 10am - 2:30pm at the Ambassador Hotel, St. Louis Park. Tekulsky is author of *The Butterfly Garden - Turning Your Garden, Window*

*Box, or Backyard Into a Beautiful Home
For Butterflies.*

The program will also feature Kris Jarantoski, assistant director of the Chicago Botanic Garden, presenting a lecture on designing a garden using annuals, perennials, and shrubs for their foliage to add texture, fragrance, color, and interest to the garden.

Cost for both lectures, including lunch, is \$12.00 for Arboretum and Horticultural Society members, \$15.00 for nonmembers. For more information and registration call the Arboretum at (612) 443-2460.

* * *

SPRINGTIME AT ARB

Spring has sprung at the Minnesota Landscape Arboretum near Chanhassen, Minnesota. The following plants are in bloom this week:

Quaking Aspen, Red-berried Elder, Rue anemone, Hepatica, Snow Trillium, Snowdrops, Amur adonis, Crocus, Pussy Willow, Speckled alder.

The Arboretum grounds are open from 8am - 5:30pm daily. It's located near Chanhassen on state highway 5, approximately nine miles west of I-494. A gate fee of \$2 per adult is charged for nonmembers. Children under 13 years with a parent are admitted free.

* * *

EVEN MORE FUN STUFF AT ARB

Mark your calendar now for this Sat., April 16 event:

The Minnesota Rose Society will preside over the "Lifting of the Garden Roses" at the Wilson Rose Garden at 9am.

* * *

(please see reverse)

LOCK CHANGE

Gibbs Greenhouse is being re-keyed to our outside master #394-1. Any problems, talk to Evonne.

* * *

WRITING WORKSHOPS

Dr. Bartz is encouraging all teaching faculty to take advantage of one of Toby Fulwiler's workshops in "Writing Across the Curriculum" on May 10. Deadline for registration is Apr 19. Further details posted in the back hall.

* * *

FACULTY GRANT PROGRAM

The Office of Int'l Education Faculty Grant Program is now accepting applications for 1988-89. The grant is set up to support the following:

- * Establishment of collaborative research, training, or service projects with foreign colleagues
- * Educational exchanges of faculty that will enhance the int'l nature of the University
- * Completion of individual research of an int'l nature
- * Curriculum development projects which enhance int'l education at the University
- * Seminars, lectures, conferences, and exhibits of int'l scope held at the University of Minnesota or involving int'l scholars outside the University
- * Participation in int'l professional conferences or meetings held outside the U.S. that address issues such as int'l development, int'l studies, or the application of agricultural, medical, or technical sciences to int'l settings or problems

Laura has more details and the application. Due date is May 13.

* * *

INDUCTIVELY COUPLED PLASMA EMISSION SPECTROMETER SERVICES

Bob Munter of Research Analytical Laboratories would like potential research clients to know that the new ICP is expected to be installed sometime in May. It should be operational in July.

Mr. Munter would like your input on how they might "repackage" elements offered in routine and optional sets for multi-elemental analysis by the ICP.

Please check the bulletin board in the back hall under "announcements" for more baffling technical jargon.

* * *

Have A Great Week!

TWIG-BENDER

Volume 6 - #108 - April 15, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & LA
Editor: Jay Hopkins

DATES AND TIMES

MON- Discussion In Hort Research: *Maximizing in vitro Tuber Size With Minimum Vegetative Growth*, Felix Fares, 7pm, Fireplace Rm, McNeal Hall

TUE - Community Breakfast, 8:30am, 394 AldH (see item below)

- Seminar: *Basis of Heat Tolerance in Phaseolus acutifolius and P. vulgaris*, Tsai-Yun Lin, 9am, 398 AldH

- Project Colloquia, Luke Waters, 10am, 415 AldH

- Entomology Seminar: *Population Science-Dunography and Ecology*, James Vaupel, 3pm, 490 Hodson

WED- EBB Seminar: *Climate Now and Then*, Herb Wright, 4pm, 313 Zoology

- Debate: *Is the Front Office A Thruway Or Really An Office?*, Secretarial Staff v. Everyone Else, 4:25pm, Front Office (aka Main Thruway), RSVP via Twig Bender

THR- Plant Membranology Sem: *Tonoplastenergization: Two H+ Pumps, One Membrane*, Al Ducommun, 4:30pm, 398 AldH

FRI - Plant Hardiness Discussion: *Mefluidide-Induced Chilling Resistance in Cultured Corn Cells*, Z.G. Xin, Noon, 398 AldH

judgement recently, and not all within the University. When done properly, the "public confessional" thrusts the confessor into the spotlight for weeks and provides p.r. dividends for years.

Ronald Reagan's "mistakes were made" confession (concerning Iran-Contra) is quotable, but isn't recalled by many, since it was not exactly an admission of guilt. Anyway, Reagan's recent "thumbs up" to Oliver North & Co. negates any apology that might have been hinted at in the first place.

Ken Keller's repeatedly-voiced regrets over Eastcliff read well, but somehow few people thought he really meant it. Blame the media if you like, nevertheless, it wasn't exactly a heart-tugging performance.

Jimmy Swaggart, on the other hand, has elevated the public confessional to a new art form. So touching was Mr. Swaggart's tearful atonement that it launched what is bound to be a successful career as private evangelist, cut free of the constraints and costly overhead of sectarian management.

Well, Twig Bender makes as many mistakes as the next person (or organization). More, in fact. Trouble is, we're rarely caught (probably because few read us). Fortunately, somebody caught us printing an incorrect phone number two weeks ago, providing us with our long-awaited moment in the confessional spotlight.

At issue is the correct phone number for Teresa Schoeder (who arranges instruction for COA's video equipment). The number we gave proved to be the number for the Mason Cancer Hospital. Some confusion arose as the Hospital received

numerous calls asking if their equipment could be checked out ("I'm sorry, we have to treat you here."). It proved inconvenient for the students who called but, happily, they all emerged with a clean bill of health. You can't be too careful.

Anyway, to take advantage of this moment of public scrutiny, our think tank has come up with what we think is a highly-quotable, tear-jerking confession, which we hope will be picked up by the int'l wire services. To wit:

"We goofed up...we really goofed up this time. Gol' darn it anyway! And we're really, really sorry! At least we're man ("woman" to our feminist readers) enough to admit it. Just goes to show we've got character, a rare quality among weeklies and one which may or may not precipitate a subscription fee hike. Details will follow."

Oh, and if you still want to get a hold of Teresa (she's still waiting for that phone to ring), her for-real number is 625-1748.

(Or is that really C. Eugene Allen's new number? Or possibly the office of the St. Paul Winter Carnival? Or the Monkey House at Como Zoo? You just never know who you'll be talking to when you dial a number seen in Twig Bender. Think of it as "networking". High-salaried professionals bend over backwards for this sort of thing.)

We'll try not to botch any phone numbers this week. Trust us. As a result of this week's confession we expect public trust in Twig Bender to reach ethereal heights.

You don't want to buck public opinion, do you? - Ed.

It has become fashionable to admit you've made a mistake. Many high-profile personalities have admitted to errors in

**NEW NUMBER
FOR C. EUGENE ALLEN
(WE THINK)**

Temporary Acting University Vice President (former permanent Dean of the College of Agriculture) C. Eugene Allen has a new temporary office: 201 Coffey Hall. His new temporary phone number is (in all probability): 4-4777.

Twig Bender continues to have the same phone number. We're not telling what it is.

SYRUPY TOGETHERNESS

What could be finer on a cool spring morning than the offer of a pancake breakfast? (*How about getting the day off?* - Ed.) Dave Olson will be preparing his world-famous pancakes in Shirley's Lab for consumption in Room 394 (see calendar item). However, we all know that there's no such thing as a free lunch, and that includes breakfast. To take part, please sign the sign-up sheet in the back hall and indicate what breakfast item you will be providing.

BRAND NEW BABY

Don White is happy and proud to report an addition to the family in the person of a new granddaughter. Mike & Sue have a brand new "1988 Model" girl who entered the world at 8 lb 8 oz and 21 1/2". Congratulations!

AT ARB THIS WEEK

A whole slew of stuff, including classes on "Learning About Minnesota Wildflowers," "Sumi-e, Japanese Brush Painting" (both on Mon.), "Beginning Bird Identification" (Tue.), "Capturing the Arboretum in Watercolors" (Wed.), and "Planning and Planting Garden Spaces" (Sat). In addition to classes, the Arb will hold a reception honoring its

volunteers on Wed. For further info, phone Janis Kieft at 443-2460 (chances are, the number is correct).

GET STEAMED OVER THIS

Steam service to the St. Paul campus will be interrupted all day Sat., June 4 unless you phone Juan Bartolomei at 5-4372 (we think) and offer a heart (or pipe)-wrenching plea for postponement (follow Swaggart's stellar example).

**SEARCH OR WE'LL
HAVE A SEIZURE**

Please search your desk tops, drawers, and laboratories for knives, forks, and spoons that may belong to the Food Quality Lab. Shirley Munson reports that they are down to four forks after purchasing 2 dozen of them last fall.

MORE LOST STUFF

Greg Kerr is in search of two missing books: *Gel Electrophoresis of Proteins* by Hames and Rickwood; and "Class Notes To Survey of Plant Physiology". If you know of their whereabouts, please inform Greg.

MYSTERIOUS JOB OFFER

The Center for Alternative Crops and Products is looking for four graduate students who would like to work on a two-month project beginning immediately. If interested, please contact Laura McCann at 5-5747 (we think) before 4:30pm Monday, Apr. 18.

JOIN THIS GROUP

Training of employees for "Emergency Response Teams" is being orchestrated by Margaret Hibberd. See the notice in the

back hall or see Margaret for details.

PI ALPHA XI REMINDER

Reservations for the Apr. 27 Spring Initiation Banquet and annual dues are due next Friday, Apr. 22. They look forward to seeing all members there. Contact Charleen Baker, Mary Stuart, or Bridget Ruummele if you have any questions.

* * *

Our apologies to the mighty Hort Horrors for omitting their colorful game recap last week. This week, apologies are extended to readers as we print the following:

HORT HORRORS HURRAH

A stalwart group of horticulturists kept the Snuggle Bunnies at bay in a 15-11 softball victory Tuesday. The win was impressive, considering the Horros faced a 7 men, 5 women illegal S.B. lineup. Everyone on the "Horrors" team provided key defensive and offensive plays. Shortstop David Larson scored 3 runs, including 2 home runs, as well as turning 2 double plays with Bridget Ruummele at second and Mike Bartolo at first base. Chad Finn plowed a drive deep into right field for a triple, while Yves Castanguag, Kevin Lentz, Jeff Roguske, Rick Stapfer, and Peter Velguth added successful base hits. Barb Larson, Joni Roust, Susan Stombaugh, Marcy Taylor, and Carol Wylie-Lentz hit safely several times, adding to the scoring drives. Homi's pitching was consistently superb as she garnered some strikeouts (hard to do in this league!). Next game is 7pm on GC #3 on Tues., April 19.

Have A Apology-Free Week!

TWIG-BENDER

Volume 6 - #109 - April 22, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

CALENDAR

MON- Disc. In Hort Research,
Prelim Question Disc.,
7pm, McNeal Hall
(Fireplace Rm)

TUE - Coffee Hour, 9:30am, 398
AldH, Host: Julie Padrutt

- Project Colloquia, Lance
Neckar, 10am, 415 AldH

- Graduate Studies Cmte,
1pm, 398 AldH

- Entomology Sem.: *Larval
Mosquitoes As Vulnerable
Prey - Chaoborus
Predation*, Judy Helgen,
3pm, 490 Hodson

WED- EBB Sem.: *Monkey And
The Fig: A Socratic
Dialog*, Stuart Altman,
4pm, 313 Zoology

- Wed. Seminar: *Growth and
Flowering of Zantedeschia
Elliottiana and Z.
Rehmannii*, Brian Corr,
4pm, 415 AldH

THR- Slide Show (Brown
Bagger): Honduras
Debriefing, Carl Rosen,
Noon, 394 AldH

- Topics For Plant
Membranology: *Non-
electrolyte Permeability As
A Tool For Studying
Membrane Fluidity*,
Mohamed Mansour
discusses paper by E.J.
Zoelen et al., 4:30pm, 398
AldH

FRI - Plant Hardiness Disc.:
*Methods Determining ABA
In Cultured Potato Cells*,
Stephen B. Ryu, Noon, 398
AldH

- Arbor Day Program: Tree
Planting Ceremony &
Exploration Of
Landscaping Techniques,
1:30pm, MN Landscape
Arboretum

SAT - Rose Pruning
Demonstration, MN Rose
Society, 9am, Wilson
Rose Garden, MN
Landscape Arboretum
(weather permitting only)

* * *

JOIN THE EMERGENCY RESPONSE TEAM (ERT)

The University's Dept. of
Emergency Management is
training employees in skills
necessary to cope with life-
threatening emergencies by
forming Emergency Response
Teams (ERT) in every building.
We need to create an Alderman
Hall Team, so please tell
Margaret Hibberd, the Safety
Officer, if you would be
interested in volunteering and/or
would like more information.
ERT "members" will receive, free
of charge, training in CPR, First
Aid and such other emergency
skills as are necessary (i.e.
severe weather). Their names
and numbers will be publicized
throughout the building. In the
event of a medical emergency,
the person discovering the
problem would call 911, then
call an ERT member who would
assist the victim for the few
minutes it takes for professional
help to arrive.

While it is recommended that
the ERT team be made up of
full time regularly scheduled
personnel, as many employees as
are interested can be trained
and Margaret thinks grad

students are here enough hours
to be included. It would be
great to have 6 to 12 team
members. CPR training is 4
hours and the first aid training
3 hours. When we see how many
people want to take the
training, we will schedule it
during the day on the
Minneapolis campus.

If you can't find Margaret,
leave a note in her mailbox or
office (270 AldH). Please
volunteer - it will make the
University a safer place and you
will gain skills that apply as
much at home as in the office.
The letter from the Dept. of
Emergency Management is
posted on the bulletin board
across from the grad. mailboxes.

* * *

TRANSPORTATION TO ASHS MTGS

Attention all faculty and
students who are interested in
group transportation to the
ASHS meetings in East Lansing,
MI: Please give your name to
Evonne by Wed., Apr. 27 so
arrangements can be made.
Thanks. Brian Corr

* * *

DEAN'S OFFICE TEMPORARILY CLOSING

Advance Notice: The Dean's
Office (277 Coffey) will be
closed for a staff/faculty retreat
on Thr., May 19. There will be
someone at Coffey to answer
the phone and provide minimal
help to walk-in traffic but that
will be the only service provided
on that day. Documents
requiring signature by the 20th
should be given to the Dean's

Office by the 18th. Other concerns may be directed to Kate Maple (4-7254) or Trudy (4-3487).

* * *

**MORE CLASSES
AT ARBORETUM**

"Early Morning Bird Walk" accommodates all levels of birders. The long hike will take you to some of the obscure habitats at the Arboretum, focusing on the birds in the area at the time. 7-9am. Sat., April 30.

"Specialty Gardens Class: Gardening With Or Without Water" provides instruction in garden design and plants for wet soil gardens, rock gardens, and dry soil gardens. 9:30am-2:30pm, Sat., April 30.

For more info on these activities, please phone Janis Kieft at 443-2460.

* * *

**ST. PAUL CAMPUS
RETIREMENT
RECOGNITION
LUNCHEON**

The annual Retirement Luncheon honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 10, 1988, at 12:00 Noon.

The cost of tickets is \$3.00 and they must be paid for when obtained, before Noon Wednesday, May 4, 1988.

They have reserved the "Pumpkin Room" in the Earle Brown Center for the retirees for the afternoon following the Retirement Luncheon program. Refreshments

will be served throughout the afternoon.

* * *

**CIVIL SERVICE
STAFF
PLEASE NOTE**

Efforts to petition the Board of Regents to prevent Civil Service pay equity adjustments from coming out of funds set aside for Civil Service pay increases was successful.

The Regents and President Sauer are pleased that the change was possible.

* * *

**DOCTORAL
FELLOWSHIPS
AVAILABLE**

Doctoral Dissertation Fellowship applications are due to Evonne on April 25. See Evonne for forms and other information.

* * *

CSRS HAS PUT OUT a Call for Proposals for Low-Input Agriculture Research and Education projects. The deadline is May 8, 1988. Contact Kent Crookston at 5-0220 for more information.

* * *

DEAN'S LIST

The following Horticulture students made the Dean List's for Winter Qtr, 1988:

- James Beaver
- Lorin Bilhorn
- Doug Foulk
- Pamela Sanders

The following Landscape Architecture students made the Dean's List for the same period:

- Barbara Burgum
- Julie Kallemeyn
- Carmen Simonet
- Jeffery Timm
- Stephen Wensman
- Jeffery Zimmermann

* * *

CALL FOR PROPOSALS

Proposals are being solicited in advance of grants (of up to \$2000) being awarded by the Perennial Plant Assoc. to support research in: propagation, production, marketing, use, and maintenance of herbaceous perennials. Deadline is June 1, 1988.

For further info, see notice in back hall.

* * *

**ORDER VARIETIES
NOW**

Jeremy Treadwell is gathering orders for southern field-grown garden plants of all your favorite varieties. The larger the combined order per variety, the lower the price. Sign up now on Grad Student bulletin board. Prices will be posted on Monday and money must be collected by Tuesday at 5pm to make the order.

* * *

Have A Great Week!

TWIG-BENDER

Volume 6 - #110 - April 29, 1988
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & LA
Editor: Jay Hopkins

CALENDAR MAY 2 - 6

MON- Floriculture Disc. Group,
Wes Hackett, 1pm, 398
AldH

- Disc. In Hort Research:
*Response of Turfgrass
Seeds To Fluctuating
Water Status*, Phil Allen,
6pm, McNeal Hall
(Fireplace Rm)

- Philip C. Hamm Memorial
Lecture: *Genetic Erosion
of Crop Plants and How
to Avert It*, Gary Paul
Nabhan, 7:30pm, McNeal
Hall (Fireplace Rm)

TUE - Coffee Hour, 9:30am, 398
AldH, Hosts: Nancy
Hinrichs & Charleen
Baker

- Project Colloquia: Emily
Hoover, Jim Luby, Carl
Rosen, 10am, 415 AldH

- Entomology Sem.: Topic
To Be Announced, 3pm,
490 Hodson

WED- EBB Sem.: Topic TBA,
4pm, 313 Zoology

THR- Topics For Plant
Membranology: *Chemical
and Biochemical
Crosslinking of Membrane
Components*, Insun Chung
discusses paper by
Gaffney, 4:30pm, 398
AldH

FRI - Plant Hardiness Disc.:
*Abscission of Heat-
Stressed Bean Flowers*,
Paul Li, Noon, 398 AldH

* * *

CANDIDATES TO SPEAK

Two candidates for the NC Exp.
Sta.'s "Marketing & Business
Mgmt" position will be speaking
on various topics. Hort. staff
are invited to attend. Mr. John
Kundert will speak on Thr., May
5th, Room 230 Classroom Office
Bldg., at 11am. Mr. Daniel
Halbach, a second candidate,
will be making a presentation in
Room 230, COB, 11am, on Tue.,
May 10.

* * *

THE MICROBE IN THE REAL WORLD

Mon., May 16, there will be an
all-day symposium on "The
Microbe In the Real World:
Future Challenges In Microbial
Ecology and Evolution" in the
Earle Brown Ctr, beginning at
10am. For further info, call Amy
Okaya at 625-4669.

* * *

PROMOTIONS

Word comes from Acting Dean
of COA, Wesley K. Wharton,
that the following promotions
are being recommended on their
behalf to the Board of Regents:
Emily E. Hoover to Associate
Professor with Tenure, John V.
Carter to Full Professor, and
David G. Pitt to Full Professor.
Congratulations to all three!

* * *

CALL FOR PROPOSALS

There's a call for proposals for
Low-Input Agricultural Research
and Extension Projects.

Proposals are due May 8, 1988.
See Laura for details.

* * *

STUDENT WORKER NEEDED

Wanted: An undergraduate to
coordinate some post-harvest
physiology work between
Bachmans and H. Wilkins. There
is to be some salary involved
and if desired some research
credits. See Dr. Wilkins for
information.

* * *

PHILIP C. HAMM MEMORIAL LECTURE SPEAKER

Dr. Gary Nabhan, speaker at
Monday's lecture (see calendar
above), will be available for
appointments with any faculty
and students interested in
meeting with him 8:30am to
3:30pm, Mon., May 2 and
8:30am to 10am, Tue., May 3.
(Dr. Nabhan is the Assistant
Director of the Desert
Botanical Gardens in Phoenix.)
Please call Delores Huebner at
5-8200 to schedule
appointments.

* * *

GIBBERELLINS ON YOUR SHIRT

Paul Birnberg says: "Get the
latest in plant biochemistry
fashionable attire -- genuine
sweatshirts or t-shirts bearing
the structures of all the
official gibberellins, 72 in all.
Sweatshirts are about 7 British
pounds (\$13-14) and t-shirts
about 4.5 pounds (\$9). We are
going to place a group order to
Jake MacMillan in England next

week and he will quote us an exact price by return mail at which time payment will be due. Both items come in irresistible black type on gold or white type on olive green. If you are at all interested, leave a note in my box or see me by Wed., May 4. Sizes are small, medium, large, and 'bigger yet'."

* * *

WEEKEND WATERERS

Please make sure that the vents are open before turning your section over to cool and when closing your vents that your section is turned to the heating setting. The past two weekends a couple of sections were on the cool setting and the vents shut. This burns out fan motors. When the night temps stay in the 50's and above, vents can be left open.

P.S. If anyone sees a section with the vent closed and on cool setting, please turn that section over to the heat setting and leave me a note. Thanks.

Roger Meissner

* * *

SHADING TIME

If you would like your greenhouse section shaded (whitewashed), please leave a note with Roger Meissner. He will be applying whitewash sometime during the week of May 2. For those who are parking their vehicles in between the greenhouse sections, this will be your only notice. Park at your own risk.

* * *

ALDERMAN PROJECT

A sign-up sheet for the "Alderman Project" is located in the back hall. Your assistance would be greatly appreciated. Further info available on the sheet.

* * *

AGRICULTURAL BIOTECHNOLOGY

A preliminary program to "Agricultural Biotechnology And The Public" is posted in the back hall. The program is scheduled for May 16-18, 1988.

* * *

SUPPORT AS A HILL VISITING PROFESSOR

Laura has a letter from the Advisory Cmte of the Hill Visiting Professor Program inviting regular applications for visiting professor support in liberal studies for the academic year 1989-90 and preliminary applications for 1990-91 and 1991-92. Applications must be submitted to the Grad School, 325 Johnston Hall, on or before October 3, 1988. Please see Laura for details.

* * *

PI ALPHA XI NEWS

Congratulations to the 1988-89 Pi Alpha Xi officers, who were elected at the Spring banquet Wednesday evening: President Myron Thornberry, Vice President Nancy Hinrichs, Secretary Michael Evans, and Treasurer Joni Roust. Dr. Harold Wilkins agreed to remain as advisor. Any members who have not signed the books dedicated to retiring members Mrs. Jane McKinnon and Dr. Richard Widmer may still do so within the next week. The books will

be in Nancy Hinrichs office, which is 435A Alderman Hall.

* * *

PHOTOPERIODISM LITERATURE

There's a copy of the following available for your perusal in the back hall: "Dr. Frank Salisbury's chapter on Photoperiodism as found in the 1982 Horticultural Reviews 4:66-105, ed. J. Janick.

* * *

LOTS OF HONORS

The following faculty members have been granted "Merit Awards" from Gamma Sigma Delta, the Honor Society of Agriculture: Mark Brenner, Jane McKinnon, and Richard Widmer.

The following grad students also have received Merit Awards (listed with advisors):

Neil Anderson (R. Widmer, P. Ascher), Lawford Baxter (L. Waters), Peter Bierman (H. Wilkins), Brian Corr (R. Widmer), John Dole (H. Wilkins), Michael Evans (H. Wilkins), Cynthia Fellman (E. Hoover), Chad Finn (J. Luby), Kathryn Lewis (W. Hackett), Barbara Liedl (S. Desborough), Sonja Maki (M. Brenner), Julie O'Leary (D. White), Julie Padrutt (H. Pellett), Jefferey Rogouske (D. David, P. Li), JoAnn Roust (W. Hackett), Bridget Ruemmele (P. Ascher), and Richard Stapfer (W. Hackett).

Congratulations to all!

* * *

Have A Great Week!