

TWIG-BENDER

Vol. 3 - No. 80 - August 24, 1984
305 Alderman Hall, St. Paul MN 55108

Department of Hort Sci & Land Arch
Editor: Joan Darrell

THIS WEEK-AUGUST 27-31

WED - Horticulture Night at the North Central Experiment Station, 4 pm to 7 pm.

RESERVATIONS are due August 31 for Ag-Rest scheduled on Sept. 8. Seminars, scheduled from 2-4:15 pm will include topics, "A Look at the 1985 Farm Bill," "Developing Attitudes to Increase Personal Effectiveness," "A revised Critique of Fad Diets," "New Insights into Farm Estate Planning," "The Family: Developing Its Strengths and Managing Its Stresses," and "How to Start Tracing Your Family Tree." Reservations for the programs should be sent to 201 Coffey Hall with checks payable to the University of Minnesota Foundation.

GOOD NEWS - Will Healy and his wife, Louise became the proud parents of a 6 lb. 14 oz. son on August 17. Michael Patrick has an older brother.

REMEMBER - Fair week entrance after 5:30 pm and on weekends will be only at Boyd and Commonwealth with exit on Buford Avenue (in front of the Student Center).

WE'LL MISS YOU, AZIZ! - "By now you all know that I am leaving for Riverside, California, where I will be working as a Farm Advisor (Extension). Behind, I am leaving lots of good friends and acquaintances (faculty, staff, and student body), but I'm keeping the pleasant memories and wonderful friendships. I thank you all for 2½ good years. Thank you for sharing with me your ways to friendship and your ways of it, and keep your heart lights on. So long, keep the faith, and hit the books (where appropriate). Friskiness loves warmth! As-salam-u Alaikum (May peace be with you). Aziz Baameur.

PRODIGY - "A child who is as smart at four as he will be at forty."

WELCOME - Mr. Zhang Cheng-Lie from the Department of Biology, Lanzhou University, Lanzhou, Gansu, China, will be working in the Department with Dr. Paul Li for the next year.

NOTICE has been received of the retirement party for Professor Bill Kelly of the Department of Vegetable Crops, Cornell University on September 15. Those who would like to contribute to the book of letters or the gift should respond by September 5 to 151 Plant Science, Cornell University, Ithaca, NY 14853.

VISIT THE ARBORETUM - For peak bloom dates, you can phone 443-2460. August brings dahlias and early flowering chrysanthemums. A walking tour of the gardens will be from 10-11:30 am on August 28.

TO INSURE THAT YOU WILL BE LISTED in the Staff Directory for the next year, please be sure you return the short form sent to you by September 7.

CAMPUS LIBRARY HOURS during this Inter-session period will be from 8-5:00 pm. Monday through Friday. The Library will be closed on Saturdays and Sundays as well as on Labor Day.

REGULAR APPLICATIONS for the Hill Visiting Professor Program for 1985-86 and preliminary applications for 1986-87 and 1987-88 are due in the Graduate School by October 8.

* * * * *

"A midwestern Chamber of Congress was giving a banquet for the teachers in the school system. Toward the end of the evening, one official arose and proposed a toast. "Long live our teachers," he shouted. To which a voice from the back of the room inquired: "On what?"

TWIG-BENDER

Vol. 3 - No. 81 - August 31, 1984
Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci. & Land. Arch.
Editor: Joan Darrell

THIS WEEK - SEPTEMBER 3-8

MONI - Labor Day Holiday

SAT - Ag-Fest, 1:30 p.m. registration,
St. Paul Student Center

GRADUATE STUDENT ORIENTATION - University-wide Graduate Orientation with tours, panel discussions and workshops will begin September 17 and continue through September 21. The information program is open to all graduate students. The theme of several of the events is balance and integration of the self.

WANTED to share an apartment. New Grad student, Steve Keeley would like to share living quarters. He will be in town during the next two weeks. If you know of an apartment, please contact Dr. White.

LOST - Some white, plastic lined sample bags have been misplaced. If you have seen them, please contact Cathy Alberty, 335 Alderman. Thanks.

REVISED - The Graduate Student Handbook has been revised and will be available at 324 Coffman or at 307 Johnston Hall by the registration desk.

APPOINTED - Professor Bud Markhart has been appointed to Full Membership on the Graduate faculty.

CONGRATULATIONS to Arthur Cedric (Butch) Petersen who passed his Ph.D. Orals this past week.

TAKE TIME TO SMELL THE FLOWERS at the Arboretum by joining a walking tour on Tuesday from 10-11:30 a.m. Special emphasis will be on fall-blooming flowers and on trees with shrubs with colorful foliage and fruit. September 8 and 9 from noon to 4:30 the American Rose Society will have its annual north central district's convention and show.

USDA COMPETITIVE GRANTS - Deadlines are earlier this year. Genetic Mechanisms for Crop Improvement, November 1, 1984; Biological Stress on Plants - Plant Pathology and Weeds, November 1; Photosynthesis, November 15; Biological Stress on Plants - Entomology and Nematology, December 3; Biological Nitrogen Fixation, December 17; and Human Requirements for Nutrition, December 17.

FACULTY, PLEASE MARK YOUR CALENDARS - The next Faculty meeting will be on September 11 at 7:30 a.m.

CIVIL SERVICE - employees will receive the extra 2% salary deduction they paid into their Minnesota State Retirement Fund by October 15. The refund check will be mailed to your home address. If you have moved recently, please see Pat or Angie for a W-4 Form to change your address with payroll.

DID YOU BORROW the book (blue cover) on foundations and grants? Please return to the office.

Recreation: A particular kind of dejection to
relieve a general fatigue.

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"Sometimes 4-wheel-drive just means you can
get stuck in more inaccessible places".

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KEEP IN MIND the Hort Industries Conference
dates, January 28, 29, 30 & 31. Dr. Carl A.
Leopold will present the Kermit Olson Memorial
Lecture. Dr. Leopold is from the Boyce
Thompson Institute at Cornell University.

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TWIG-BENDER

Vol. 5, No. 28, September 7, 1984
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - SEPTEMBER 10-14

- MON - Staff Meeting, 394 AlderH - 9:30 A.M. --
NOTE TIME CHANGE
- TUE - Morris Fall Day
- WED - Lamberton Fall Day
- THUR- Waseca Fall Day

OPEN ENROLLMENT period for health insurance is in progress until September 30. All University employees currently participating in the state health program are eligible. Application forms and a new information brochure will be in the department next week. See Laura for the brochure.

FIELD DAY at the HRC is Saturday, September 15 from 9-12. There will be wagon tours, Dial-U booth, apples, cider & cookies. Everyone is welcome!!

WALKING TOUR of the arboretum gardens will feature the new perennial garden, herb garden, Wilson rose garden & hosta glade. Special emphasis will be on fall-blooming flowers & on trees & shrubs with colorful foliage & fruit - 10:00-11:30 a.m., Tuesday, September 11.

APPLICATION DEADLINES for the Rhodes Scholarships for 2 (possibly 3) years of study at Oxford University; Marshall Scholarships for 2 (possibly 3) years of study at a British university of the student's choice; & Churchill Scholarships for 1 or 3 years of study in engineering, mathematics, or science at Cambridge University are approaching. Applications for the Rhodes & Marshall scholarships will be accepted on campus through October 4, & the Churchill deadline is November 15. For more information see Laura.

ANNOUNCEMENTS FROM UAC - A) Computer as a Classroom Tool Workshop at either Michigan State University or Iowa State University; B) Reinforcement Agri-media (RAM) from Waseca - audio visual materials available from UMW & UofM

Media Distribution Services; C) COA Planning Advisory Committee Report of '83-84 Committee Discussion; D) above items available for perusal by faculty from Evonne.

HOORAY for 2 new Masters of Science!! Betsy Zimmerman & Kathy Louis passed their MS exams Wednesday & Thursday, respectively. Heard there was a little celebration Thursday (What, levity on the 4th floor?!?!?) Congratulations, Betsy & Kathy!

THE INSTITUTE HAS been given \$5000 to be used in securing financial support for projects related to research training or public service. For more details see Laura.

BE CAREFUL about calling yourself an "expert". An "ex" is a "has-been" & a "spert" is a drip under pressure.

IF YOU HAVE an extra file cabinet you would like to get rid of, see Nouredine Cheikh, he is looking for one.

GEO. J. BALL, INC. has hired Jeanne Grout as assistant tissue culturist. She will start working in West Chicago on October 1.



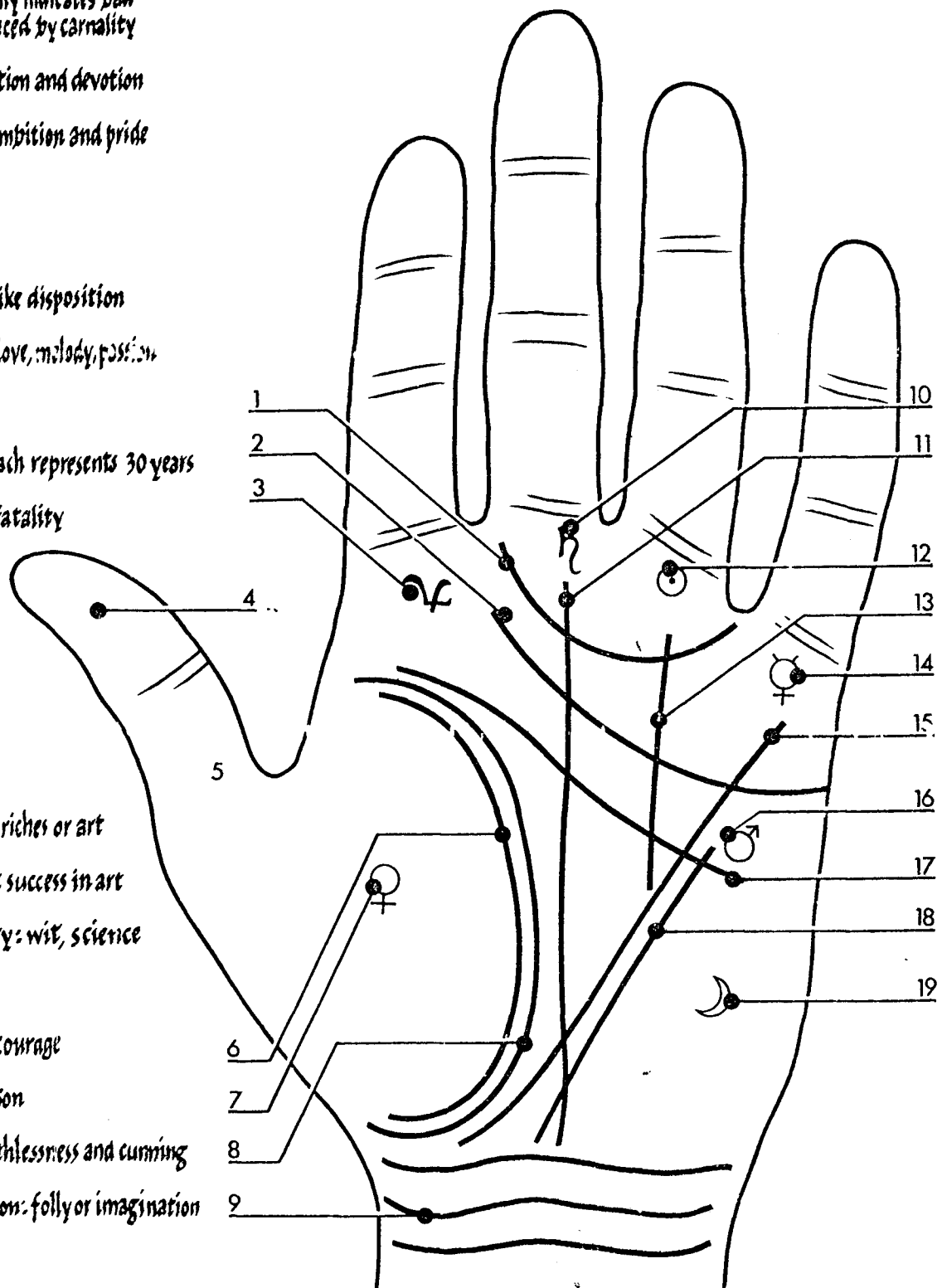
The first image transmitted on experimental television in the 1920s was that of the cartoon character, Felix the Cat.

(OVER)

How to read your palm

Does your hand reveal your character and your future? The more prominent a line or feature the stronger in your life will be the aspect that it represents.

- 1 *Girdle of Venus: usually indicates bad character, too influenced by carnality*
- 2 *Line of Heart: affection and devotion*
- 3 *Mount of Jupiter: ambition and pride*
- 4 *will and decision*
- 5 *logical power*
- 6 *Line of Mars: warlike disposition*
- 7 *Mount of Venus: love, melody, passion*
- 8 *Line of Life*
- 9 *Bracelets of Life: each represents 30 years*
- 10 *Mount of Saturn: fatality*
- 11 *Line of Fortune*
- 12 *Mount of Apollo: riches or art*
- 13 *Line of Brilliance: success in art*
- 14 *Mount of Mercury: wit, science*
- 15 *Line of Health*
- 16 *Mount of Mars: courage*
- 17 *Line of Head: reason*
- 18 *Via Lascivia: faithlessness and cunning*
- 19 *Mount of the Moon: folly or imagination*



TWIG-BENDER

Vol. 5, No. 29, September 14, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Joan L. Darrell

THIS WEEK - SEPTEMBER 17-21

WED - Departmental Graduate Student
Orientation - 10 a.m., 394 AlderH

THU - Fall Quarter Classes Begin

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BACK TO THE GRIND HAPPY HOUR to celebrate the beginning of the new school year. Grad students (old & especially new), staff & faculty are invited to Jim Luby & Emily Hoover's home, 1416 N Pascal Avenue, on Friday, September 21, 4:30 p.m. J. Bartz promises to provide the "clucks". C. Finn will provide, or be, the entertainment. Bring your surplus tomatoes for Jim & Emily.

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COLLEGE: A place where one spends several thousand dollars on an education, then prays for a holiday to come on a school day.

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TOMORROW is the day to check out what's happening at the Hort Research Center. From 9 to 12 you can join the tours of the Center plus enjoy the treats of apple cider, apples & cookies.

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GRAD STUDENT ORIENTATION - Beginning at 10 a.m. in room 394 AlderH, orientation will include discussion of departmental policies & procedures, lunch at the Grainery in the Student Center, followed by a tour of the building & greenhouse facilities. An excellent opportunity to meet fellow students & faculty & ask those burning questions. Any "old" grad students who want to join the group for lunch are welcome.

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CIVIL SERVICE ITEMS: Next civil service meeting will be Wednesday, October 17, at 10:30 in 394 AlderH. Election results to departmental committees: consultative committee - Mary Stuart; field plots - Dick Wenkel; staff meeting - Mary Hosier; computer committee - Ruth Harter; college civil service committee alternate (D. Wenkel, representative) - Karl Ruser. Dr. Luther Waters will be faculty representative to the departmental civil service group.

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PROPERTY VIOLATIONS: It has been called to our attention that desks have been rifled in the lab on the 3rd floor. These spaces are assigned to staff &

grad students oftentimes & their possessions should be respected even if they are not under lock & key.

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FAREWELL PICNIC for Masami Matsuda, designer of St. Paul's Japanese Garden located north of the Como Park conservatory, will be on Tuesday, September 18, from 6 to 8:30 p.m. at the Japanese Garden. For additional information you may contact Lynn Wolfe, 292-7400.

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REMINDER - Guidelines & application kits for USDA Competitive Research Grants are available in the office. There are earlier deadlines this year, November & December for the various programs.

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PLEASE return the yellow salt shaker to the coffee room (preferably full).

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FUTURISTICS - A public lecture, "Probably More Than You Cared to Know About India", by Dr. Robert Andersen, Friday, October 5, 8 p.m., 135 Earle Brown Center, sponsored by the Department of Agronomy & Plant Genetics social committee.

Retirement party for Professor Lowell Hanson, Department of Soil Science, who retired August 15 is scheduled on September 28, from 3:30 to 5:30 p.m. in the Cherrywood Room of the Student Center.

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AT THE ARBORETUM - Sunday, September 16, MN State Horticultural Society's judging & exhibiting school from 8 a.m. to 4 p.m.; "Planting Now for Spring Beauty", a class conducted by Mike Heger, on Wednesday, September 19 from 1 to 3 p.m. & again in the evening from 7:30 to 9:30 p.m.

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COULD THIS BE? "Lecture: A process by which the notes of the professor become the notes of the student without passing through the minds of either".

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TWIG-BENDER

Vol. 5, No. 30, September 21, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Joan L. Darrell

THIS WEEK - SEPTEMBER 24-28

Mon - Monday Evening Discussion, "From Oil Layer to Bilayer," presented by Dr. Gordon Kepner, Department of Physiology, 7:00 p.m., Fireplace Room, McNeal Hall. Plan to attend the After-Session gatherings!

WED - Departmental Seminar - "Irreversible Microtubule Depolymerization Associated with Freezing Injury in Onion Root Tip Cells, presented by Dr. John Carter, 4:00 p.m., 415 Alderman. SPECIAL ADDED ATTRACTION - Post-Seminar Wine and Cheese Social on Wednesday, September 26, 5:00 p.m. to ?, 415 Alderman. Socialize with your colleagues, old and new!

EVERYONE IS INVITED to Jim Luby and Emily Hoover's home, 1416 N. Pascal, at 4:30 today for a beginning-of-the-year Happy Hour. See Maps posted on Bulletin Boards for directions.

CONGRATULATIONS, NOUREDDINE! Nouredine Cheikh and Katherine Engebretson were married on August 25. Best wishes for a long and happy life together!

AND A LONG AND HAPPY LIFE TOGETHER is the wish extended to Chipper Quisling and Todd Perkins who were married September 1.

ANYONE INTERESTED in basketball or hockey season tickets (or want to split one), please talk to Chad Finn as soon as possible.

SPECIAL SEMINAR - Dr. Akira Sakai, Professor Emeritus, Institute of Low Temperature Science, Hokkaido University, will be on Campus Friday, September 28, and will present a seminar, "Extracellular Freezing Resistance," in 398 Alderman at 11:00 a.m. If you would like to visit with Dr. Sakai on Friday morning, please call Paul Li at 3-1025.

PLANT GENETICS DISCUSSION GROUP will meet on Wednesday, beginning September 26, in 394 Alderman from 9:00-10:00 a.m. For additional information contact Barbara Liedl.

CIDER SIPPERS - Mark your calendar now for the Fall picnic/cider press on Saturday, October 13, beginning at 2:00 p.m. More details later.

CAMPUS RECRUITING - On October 4 and 5, Proctor and Gamble will be on Campus recruiting Ph.D. and Post Doctorals. If you are interested in an interview, contact the Career Information Office at 3-1651 as soon as possible.

FOR A GOOD TIME purchase a Happenings Book. Books are available from Mary Stuart and contain two-for-one coupons for many Twin Cities restaurants, theaters, etc. The price is \$16.00, and books are good for one year.

PLANT PHYSIOLOGY SEMINAR will be held Thursday, September 27, at 3:00 p.m. in 302 Kaufert Laboratory. Dr. John Cheeseman for the Botany Department at the University of Illinois will speak on "A Simple Case of Salt Tolerance." Coffee will be available at 2:45 p.m.

RETIREMENT PARTY for Soil Scientist, Dr. Lowell Hanson will be from 3:30-5:30 p.m. in the Cherrywood Room of the Student Center on September 28.

INFORMATION On the Fulbright Scholar-in-Residence program and guidelines for pre-application for the Fund for Improvement of Postsecondary Education will be available from Joan on Monday. Due dates for both programs are in November.

FALL COLOR-FALL FESTIVAL - Enjoy them both on Saturday, September 29, at the Landscape Arboretum. The educational and fun-filled day begins at 10:00 a.m. and will end at 3:00 p.m. Sale of items for consumption, enjoyment or creative use as well as tours and entertainment are part of the program.

FUNDING FOR SOFTWARE DEVELOPMENT PROJECTS - Please see Laura for information on NCCI funding policy for software and data base development projects.

THIRD DOWN - "Football coach: "And remember that football develops individuality, initiative and leadership. Now get in there and do exactly as I tell you." Or "A former Southern California football coach when asked why he prefers running his ranch to coaching the southern Cal replied," Cattle don't have any alumni."

TWIG-BENDER

Vol. 5, No. 31, September 28, 1984
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Sci & Landscape Arch
Editor: Joan L. Darrell

THIS WEEK - OCTOBER 1-5

- MON - Monday Evening Discussion - "Vienna - Summer of '84" - presented by Dr. E.J. Stadelmann, Fireplace Room, McNeal Hall, 7 p.m. Picnic supper preceding the discussion at 5:30 p.m. at the home of Professor Shirley Munson, 25 Lakeland Shores Road, Lakeland, MN
- Graduate Exam Question 8-4:30
- TUE - Departmental Coffee Hour - 9:30-10:30, 394 AlderH
- WED - Departmental Seminar - "Discriminating Styles & Pollen-Mediated Pseudo-Self Compatibility" - presented by Dr. Peter Ascher, 4 p.m., 415 AlderH
- Plant Genetics Discussion Group - 9-10 a.m., 394 AlderH

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CLEANING DAY - The file cabinet in 305 that holds the catalogs for scientific, horticultural & other supplies has been cleaned out. Catalogs dated 1979 & older have been removed. If you would like any of these catalogs, stop by Evonne's desk before October 5.

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BRIDGE THE GAP? - Is anyone interested in playing bridge one day per week during the lunch hour? If so, leave a note with your name & the day(s) you are available in Kevin Edberg's mailbox; he will coordinate responses.

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DIAL-U NEWS - Beginning Monday, October 1, DIAL-U hours will be shortened slightly. We'll be open 9-12 noon & 1-3:30 p.m., weekdays. Please refer any homeowner horticulture, entomology or plant pathology questions to DIAL-U, 1-975-0200. Be sure to tell people there is a \$2 charge that will be billed directly to the phone they call from. Thanks. Deb Brown.

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SCHOLARSHIPS for women desiring advanced study in horticulture in the amount of \$500 from the Woman's National Farm & Garden Association & the Sarah Bradley Tyson Memorial Fellowship. Jack Herring, President, 821 Fox Run Road, Unit 4, Findley, OH 45840. Deadline for application is April 1.

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FALL FESTIVAL at the Arboretum Saturday, September 29, from 10 to 3. Tours, entertainment, nature-oriented arts & crafts will be part of the program.

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PUBLICATIONS - Lee-Stadelmann, O.Y.; W.R. Bushnell & Ed.J. Stadelmann. Changes of Plasmolysis Form in Epidermal Cells of Hordeum vulgare Infected by Erysiphe graminis. Can. J. Bot. 62:1714-1723. 1984.

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CHRISTMAS, ANYONE? A holiday party questionnaire will be distributed soon, & put in mailboxes. Please fill it in & return by October 15 for the social committee.

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GRADUATE FELLOWSHIPS- National Science Foundation Graduate & Minority Graduate Fellowships, November 21 deadline. See Joan for information. Announcement of awards will be mid-March.

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EXAM QUESTION - Graduate students pick up question from Laura between 8 & 4:30 on Monday.

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WOODY PLANT SOCIETY meeting at Cross Nursery on Saturday, September 29, 12 noon. For more information call 597-1197.

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TUBBY TUESDAY - Come & enjoy visits with your colleagues at the departmental coffee on Tuesdays. Be sure to sign up to bring treats. On staff meeting days, coffee will be at 2:30 instead of the usual 9:30.

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Wife to husband at airport, "Darling, be sure to write, even if it's only a check."

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TWIG-BENDER

Vol. 5, No. 32, October 5, 1984
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & Landscape Arch.
Editor: Joan L. Darrell

THIS WEEK-OCTOBER 8-12

- MON - Monday Evening Discussion, "In vitro Screening Techniques for Disease Resistance in Populus," presented by Terry Ettinger, 7 p.m., Fireplace Room, McNeal Hall. After session hosted by Dr. and Mrs. Bartz, 1975 Autumn.
- TUE - STAFF MEETING, 8:30 a.m., 394 Alderman Hall
- Departmental Coffee, 2:30 p.m., 394 Alderman Hall
- WED - Departmental Seminar, "Characterization of 4-Pyridyl Urea Effects on Hybrid Deciduous Azaleas in vitro," presented by Cynthia Fellman, 4 p.m., 415 AldH
- Plant Genetics Discussion Group, 9-10 a.m., 394 AldH
- UAC meeting, 9-10 a.m., 398 Alderman Hall
- FRI - Departmental visit, Dean C. Eugene Allen

LIKE TO PLAY "TRIVIAL PURSUIT?" Enter the College Bowl Intramurals on Oct. 11 & 12. Prizes awarded to top four teams. Entry fee is \$2. Deadline for registration is today, Oct. 5 at 4:30. See notice on Grad Board by mailboxes for more information.

GRADUATE FELLOWSHIP COMPETITION - NSF offers three year Fellowships to U.S. citizens for work leading to either the Master's or Doctoral degree. Applicants must not have completed by the beginning of Fall 1984 term more than 30 quarter hours. Annual stipend is \$11,000. Application deadline for both the Graduate and Minority Graduate Fellowship programs is Nov. 21. Preliminary applications are available from the Graduate Fellowship Office, 422 Johnston Hall; phone #3-3833.

DISCUSSIONS IN INCOMPATIBILITY will meet this quarter on Thursdays at 1 p.m. Our first meeting will be on October 11, in room 398 AldH. Bring ideas that you have for discussion topics (Hort 8061).

NEW AGRONOMY HEAD ANNOUNCED - Dr. Orvin C. Burnside has accepted the Headship of the Department of Agronomy and Plant Genetics beginning April 1, 1985.

PLANT PATHOLOGY SEMINAR - "New Concepts in Tree Care Treatments," presented by Dr. Alex Shigo, 3 p.m., Thurs, Oct. 18, Forestry Auditorium, Green Hall. Dr. Shigo is the Chief Scientist with the U.S. Forest Service, Northeastern Forest Experiment Station, Durham, New Hampshire.

CONFERENCE(S) REPORT Paul Read returned from England & Czechoslovakia where he participated in two international conferences. "The focus of both meetings was on agricultural and crop applications of tissue culture. The conference in England was held at the University of Nottingham, where I presented a poster summarizing stock plant influences on tissue culture success and chaired a discussion on problems in woody plant micropropagation. In Czechoslovakia, the conference was held in Olowouc (a city about 200 miles east of Prague), and it also focussed on application of tissue culture to crop improvement. The closing luncheon ceremonies followed a visit to the monastery of Gregor Mendel. As one of the opening lecturers, I was presented with a bronze medallion commemorating the centenary of Mendel's death. A great deal of interest was expressed by many of the participants in the research being conducted by our tissue culture research group."

THANKS TO VISITING SCHOLAR, Mr. Yang Qi-Guang, there will be a special movie presentation on Eastern cultures on Monday, October 8, in 394 Alderman Hall at 12:00 noon. The movie will show flowers, dance, etc., of China, India and Africa. Everyone is welcome!

PUBLICATIONS - "Changes in Glutathione Content Curing Cold Acclimation in Cornus sericea and Citrus sinensis," C. L. Guy, John V. Carter, G. Yelenosky and C. T. Guy. *Cryobiology* 21, 443-453, 1984.

BRIDGE REMINDER - If you would like to play bridge one day a week during lunch hour, leave a message in Kevin Edberg's box with days available.

"David A. Kurtz of Pennsylvania State University, speaking at the annual meeting of the American Chemical Society in St. Louis, revealed that horticulturists who work in the nude typically pick up 16 times more pesticides than those who wear clothes." Taken from American Cemetery Magazine.

TWIG-BENDER

Vol. 5, No. 33, October 12, 1984
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCT. 15-19

- MON - Monday Evening Seminar - Exam discussion - Fireplace Room, McNeal Hall, 7 p.m. After session at Mannings.
- WED - Plant Genetics Discussion Group - 9 a.m., 394 AlderH
- Seminar presented by Nancy Olson - "Mineral Nutrition of Container-Grown Crops" - 4 p.m., 415 AlderH

DON'T FORGET - The fall picnic is TOMORROW!! Fun starts at the Arboretum at 2 p.m. rain or shine. Grilling facilities are there for brats, burgers, steaks, chickens, pigs, etc. Come & enjoy!

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THE COMPUTER COMMITTEE is considering a restructuring of room 310 as part of an expanded computer facility. Any suggestions concerning appropriate use of the room should be forwarded to Bud Markhart.

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RETIREMENT PARTY honoring Dr. George Blake (soils) will be Thursday, October 18, at 3:30 in the Cherrywood Room. Dr. Blake has been with the soils department since 1955 & will be retiring October 31.

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CONGRATULATIONS to Bert Swanson who has been promoted to Captain in the U.S. Naval Reserves.

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LET'S ALL go to our office and home libraries & look for "loaned" books & return them to the original source, owner, or home.

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NOT SO LITTLE (8 lbs, 3oz, 21 $\frac{1}{4}$ ") Adam Gerrard arrived on Monday morning at 2:51. His proud parents are Linda & Kevin Grueber.

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EVERYONE is invited to a fall get-together/picnic at the headhouse on Wednesday, October 17, after seminar. Faculty, staff & grad students: Come meet & mingle with the undergrads. Food, drink, volley ball & friendship -- all provided by the Hort Club.

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MINNESOTA SLOGANS . . .

I came, I thawed, I transferred

Survive Minnesota & the rest of the world is easy!

Minnesota -- Come fall in love with a Loon!

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NSF GRADUATE Fellowship & Luce Scholars Program information is posted on the grad student bulletin board. Be sure to check them out -- deadlines are approaching.

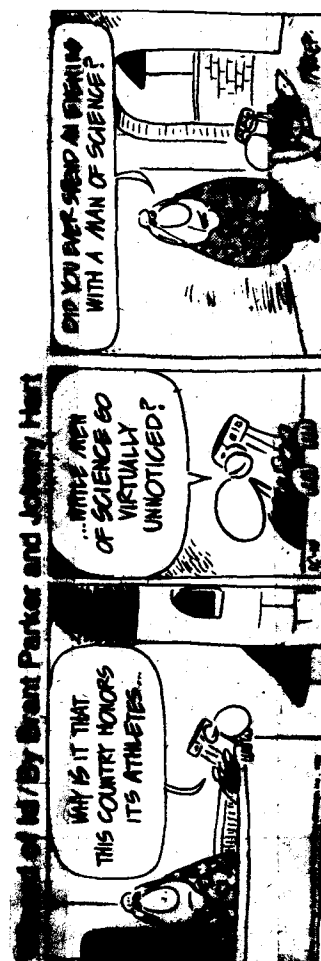
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THE FOLIAGE FOUNDATION is making available grants-in-aid to researchers in the areas of foliage plant production, distribution, marketing & utilization, with emphasis on proposals concerning production & utilization of plants in interiorscapes. For more information concerning the grants see Laura.

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ON A DARE - Vyysit zarar zomeny mor orzizaziz zanzarar orziz?

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(Contributed by a scientist)

TWIG-BENDER

Vol. 5, No. 34, October 19, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - OCTOBER 22-26

- MON - Monday Evening Discussion - "In vitro screening techniques for disease resistance in Populus" - by Terry Ettinger - 7 p.m., Fireplace Room, McNeal Hall. After session at Dr. Desborough's.
- TUE - Departmental Coffee - 9:30 a.m., 394 AlderH. Treaters for this week are M. Brenner & B. Fick
- Seminar - "The use of male sterile tetraploid in the production of seedless watermelon" - presented by Dr. Stephen L. Love, candidate, horticulturist, Southern Experiment Station, Waseca - 394 AlderH, 4:00 p.m.
- WED - Plant Genetics Discussion Group - 9 a.m., 394 AlderH
- Seminar - "Pollen staining for germinability & quantitative differentiation of unreduced & reduced gametes in Solanum phureja" - presented by Michael Burke - 4 p.m., 415 AlderH
- THUR - Seminar - Vegetable cultivar trials & cultural studies" - presented by Dr. Jon R. Johnson, candidate, horticulturist, Southern Experiment Station, Waseca - 4 p.m., 394 AlderH

DR. LURLINE MARSH has been hired by Lincoln University as assistant professor in the Plant & Soils Department.

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FREE TO A GOOD HOME - The newest litter of HRC kittens are ready for adoption. There are 3 black, 2 orange & 1 calico kittens, all of them come from good mousing blood lines, & all of them need good homes. Give Dave Bedford a jingle at the HRC (474-6886) if interested.

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MARK YOUR CALENDARS now for the HS&LA 1984 Holiday Party. The Arboretum is the party location this year & December 15 is the date. Festivities will begin at 6 p.m. & we have to clear out by midnight. More details will be publicized soon.

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TO ALL WHO participated in the conspiracy to keep Dr. Bartz from enjoying a hot meal at the picnic: congrats on a job well done.

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WILL WHOEVER has the polarizing filter for the Zeiss microscope in 277a AlderH return it immediately & not remove it again without leaving a note as to where it is & who has it.

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CVs & INTERVIEW SCHEDULES for the 3 candidates for the horticulturist position at the Southern Experiment Station are on the counter in 305 AlderH. Please be sure to sign up to visit with them & plan to attend their seminars.

§ § § § §

MORE MINNESOTA SLOGANS -

Minnesota - home of the blond hair & blue ears
One day it's warm - the rest of the years it's cold
Land of many cultures - mostly throat
Minnesota - where visitors turn blue with envy

§ § § § §

CURT KLINT is in the hospital with an apparent heart attack. I have very few details other than he evidently went in last night. As soon as I receive more information I will pass it on. Laura

§ § § § §

TWIG-BENDER

Vol. 5, No. 35 - October 26, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - Oct 29 - Nov 2

MON - Monday Evening Discussion -
"Involvement of cytokinins in abscission
of reproductive structures in Glycine
max", presented by Carol Wylie. 7
p.m., Fireplace Room, McNeal Hall.
After-session at Chad Finn's (2415
Carter Avenue)

TUE - Departmental Coffee - 9:30 a.m., 394
AlderH - This week's treaters are K.
Lloyd & S. Maki

WED - Plant Genetics Discussion Group - 9
a.m., 394 AlderH

"The Chinese Cabbage: Present, Past
& Future" - presented by Dr. Vincent
A. Fritz, candidate for Horticulturist
(vegetable crops) position, Waseca, 3
p.m. 415 AlderH

Department Seminar - "Evaluation &
inheritance of resistance to green
peach aphid, & crossability in tuber--
bearing Solanums" - presented by
Mahmoud Kasrawi, 4 p.m., 415 AlderH

THIRD & FINAL candidate for the horticulturist
(vegetable crops) position, Dr. Vincent A. Fritz,
will be here Wednesday & Thursday. Please be
sure to sign up to visit with him & plan to attend
his seminar on Wednesday.

§ § § § §

CONGRATS to Barb Fick who's now reached the
ripe old age of 24. Happy Birthday.

§ § § § §

JIM LUBY'S GRADUATE SCHOOL Grant-in-Aid
proposal, "Juvenile Selection for Cold Hardiness in
Woody Perennial Plants" has been funded.
Congratulations.

§ § § § §

MR. CECIL NELSON, artist with ag extension, is
seriously ill. His family tells us he enjoys cards or
notes. His address is: Our Lady of Good Counsel
Cancer Home, 2076 St. Anthony Avenue, St.
Paul, 55104.

§ § § § §

Basic Research in the University & Industrial Laboratory

University & industrial research directors have
contrasting roles in the basic-research enterprise.
- R.E. Marshak

Warren Weaver, in an essay titled "A great age for
science", tells us that pure science is "not
technology, it is not gadgetry, it is not some
mysterious cult, it is not a great mechanical
monster. Science is an adventure of the human
spirit; it is an essentially artistic enterprise,
stimulated largely by curiosity, served largely by
disciplined imagination, & based largely on faith in
the reasonableness, order, & beauty of the
universe of which man is a part". From Science.

It is interesting if we were to substitute art or
landscape architecture or drama for the word
science in the direct quote! - H.F. Wilkins

§ § § § §

SINGLE QUARTER LEAVE - Faculty applications
should be forwarded through the appropriate
department head & dean to the established
college screening committee by November 20,
1984. For more information & application forms
see Laura.

§ § § § §

UPDATE ON Curt Klint, he's doing fine. The
hospital would not release any more information.

§ § § § §

SOME MORE (MINNESOTA) SLOGANS-

Minnesota - where summer is one sunny
afternoon in August

Where the elite meet the sleet

Why Minnesota? To protect Ontario from Iowa

Minnesota - Theatre of sneezes

10,000 lakes - & no sharks

§ § § § §

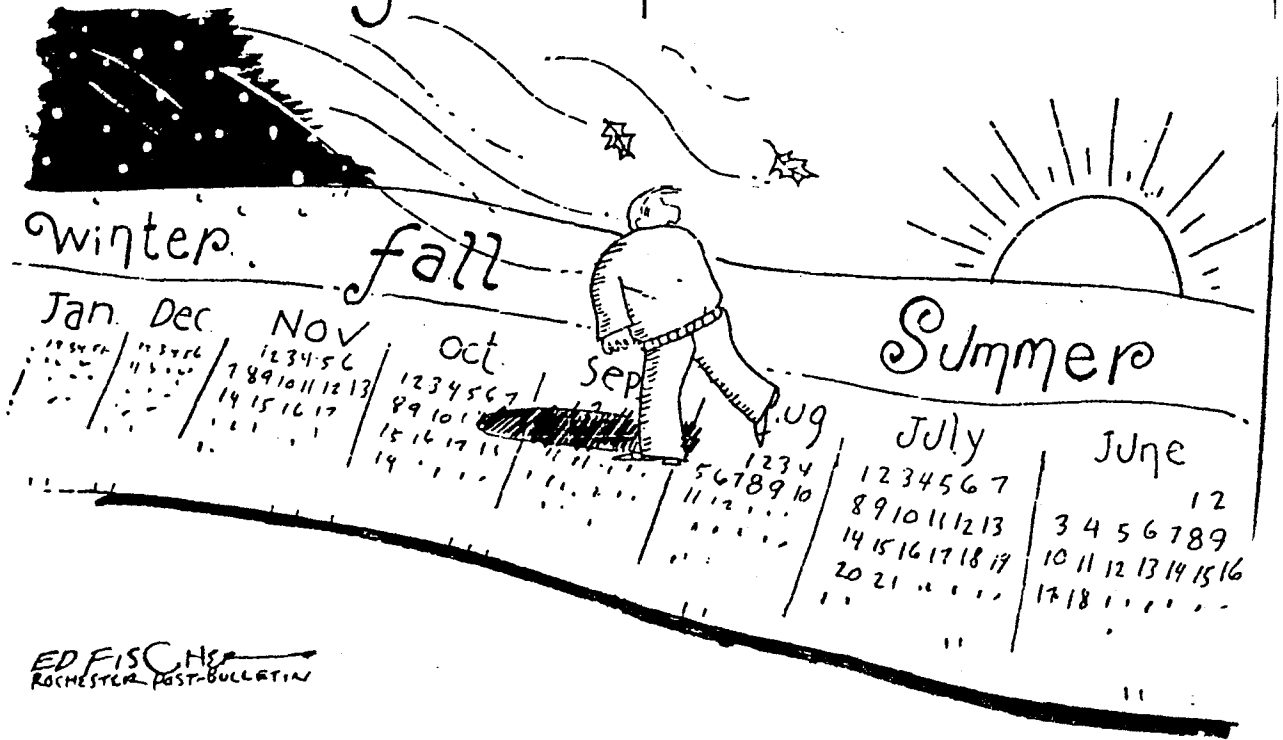
WHY DON'T anteaters get coids?

Because they're full of little 'antibodies'.

§ § § § §

!! OVER - OVER - OVER !!

Parting is such Sweet Sorrow...



ED FISCHER
ROCHESTER POST-BULLETIN

TWIG-BENDER

Vol. 5, No. 36 - November 2, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Joan L. Darrell

THIS WEEK - NOVEMBER 5-9

- MON - Monday Evening Discussion - "In vitro Culture of Hyacinthus", presented by Chi-June Ko, 6:30 p.m., (NOTE TIME CHANGE this week only) - Fireplace Room, McNeal Hall. No after session!
- Hamm Memorial Lecture - "Future Technology in Crop & Soil Management", presented by Dr. Leo M. Walsh, Dean & Director, College of Ag & Life Sciences, University of Wisconsin, 7:30 p.m., 135 Earle Brown Center
- TUE - Departmental Coffee, 9:30 a.m., AlderH. Treats are on Martha Piechowski & Dr. Bartz this week
- WED - Department Seminar - "Endosperm Associations in a Corn Belt Dent x Sugary Sweet Corn Composite", by Mary Hunsperger, 4 p.m., 415 AlderH
- THUR - 4th Annual Minnesota Soybean Workshop, 8:30 a.m. - 4:00 p.m. Morning session 145 Vet Medicine; afternoon session 33 McNeal Hall
- FRI - 4th Annual Minnesota Soybean Workshop, 8:30 a.m.-3:15 p.m., 135 Earle Brown Center

PEACE CORP ACTIVITIES - Janis Kieft is coordinator. International Programs would like to construct a list of returned Peace Corps volunteers who are faculty members or grad students on this campus. Please call Janis at 3-1498 or send a note to 293 Coffey Hall.

§ § § § §

AWARDED - Drs. Brenner & Brun have been awarded \$40,000 from Monsanto Agricultural Products in support of basic research in soybean physiology.

§ § § § §

FLOWERS - The flower fund is still in need of financial beautification from department members. Suggested donations are \$1 from staff & \$2 from faculty.

§ § § § §

GARDEN PLOT HOLDERS - The word from the Farm Shop is that our plots will be plowed up this week - probably not before Monday. Please remove any stakes you may have put in your plot. Thanks.

§ § § § §

HAPPY HOLIDAYS ARE COMING!!! Students, faculty & staff: Hort Holiday Party will be on December 15. In order to sample true gourmet cooking, we are asking that you share your culinary talents for the dinner & sign up on the lists on the bulletin board across from the grad mailboxes. More info will be coming from the social committee.

§ § § § §

EVOLUTION is what makes the chimpanzees in the zoo ask, "Am I my brother's keeper?"

§ § § § §

APPOINTED - Mark Brenner has been asked to serve on the Accreditation Review Advisory Committee. Every 10 years the Twin Cities campus is reviewed in order to maintain accreditation by the North Central Association of Colleges & Schools. The next review is scheduled for April, 1986.

§ § § § §

NEW PROGRAM MANAGERS FOR CSRS are Dr. David H. Timothy (NC), chief scientist, Dr. Lowell R. Nault (OH), biological stress, Dr. Luis Sequeira (WI), plant pathology, Dr. Joseph Varner (MO), genetic mechanisms, Dr. Alan Hooper (MN), nitrogen fixation, Dr. Donald K. Ort (IL), & Dr. James A. Olson (IA), human nutrition.

§ § § § §

FOR APPLICATION FORMS for Longwood graduate program in ornamental horticulture, please see Dr. Paul Read. Deadline for application is February 1, 1985.

§ § § § §

A down-&-outer watched a successful man whirl by in a cadillac & said, "there but for me go !"

§ § § § §

!! OVER - OVER - OVER !!

Good news / bad news by Henry Martin

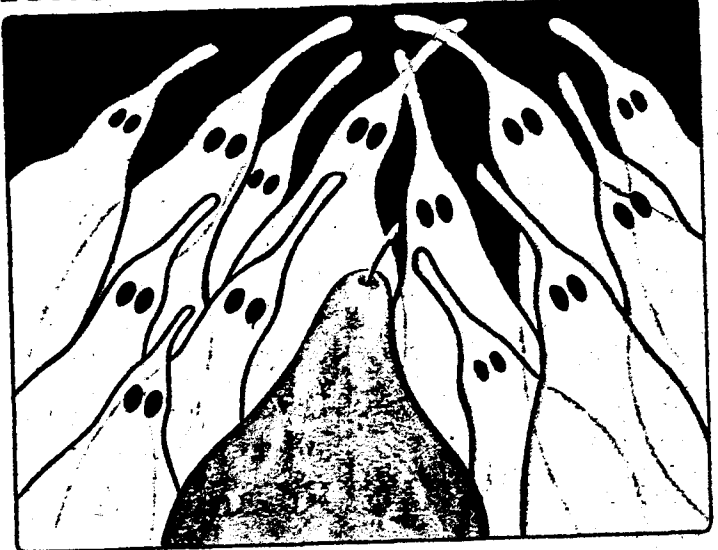


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"Since this is for the annual report, try to catch a glint of my good humor amid the sparkle of fiscal responsibility, leadership qualities and sound business acumen."

LONG OVERDUE

By John Long



APPEARITIONS ©

TWIG-BENDER

Vol. 5, No. 37 - November 9, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Joan L. Darrell

THIS WEEK - NOVEMBER 12-16

- MON - Monday Evening Discussion - "In vitro Culture of Hyacinthus" - presented by Chi-June Ko, 7 p.m., Fireplace Room, McNeal Hall. After-Session at Paul Read's home.
- TUE - Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee - 2:30 p.m., 394 AlderH
- SPECIAL SEMINAR - "Differences Between Male Sterile & Normal Cytoplasm in Zea mays Indicated Directly By Cell Parameters" - presented by Mr. Jian Kum Wei, Dean of the Academy of Agriculture & Forestry Science of the Hobei Province, Peoples Republic of China, 4 p.m., 415 AlderH
- WED - Departmental Seminar - "Epimedium: Taxonomy & Proposed Breeding Improvement" - presented by Tom Brinda, 4 p.m., 415 AlderH

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CALENDAR REFILLS - Ruth Harter reminds us that the end of the year is approaching, & it is time to order "next year". Please give Ruth your calendar refill number (usually found on the first or last page), the brand name, quantity & your initials. Any refill over \$3 will be charged to individual budgets. If you have questions or want to see a catalog, stop by Ruth's desk.

§ § § § §

SEMINAR - "Improving Energy Resources in India: Approaches & Issues" - presented by Keith Kozloff, Department of Ag & Applied Economics, November 13, 12 noon, 120 Coffey Hall.

§ § § § §

ACCORDING TO Dr. Nylund, Minnesota summers are rather cool, but fortunately they're rather short.

§ § § § §

FUN & DANCING tonight at the Bel Rae Ballroom. The Rockin' Hollywoods will be

playing from 9-1. Come on out for a good time! Questions? Contact Chad Finn, Barb Fick, or Ben "The Georgia Gigolo" Bergman.

§ § § § §

ENVIRONMENTAL PHYSIOLOGY JOURNAL CLUB - Anyone interested in an indepth discussion of 1 or 2 articles in environmental physiology are welcome to join the new Journal Club. Meetings are Tuesdays at noon in 108 Student Center. See Bud Markhart for details. Papers for this week: Yoshida, S., 1984. Plt. Physiol. 76:257-265 & Yoshida, S., 1984. Plt. Physiol. 75:38-42.

§ § § § §

ANNOUNCING CIBLING - Corec Informal Bowling League for Inspired Noon Time Gatherings. Meeting every Thursday at 11:55 at the Student Center Bowling Lanes. Cost 50¢/game + 25¢ for shoes. Averages will be tallied; 2 games per lunch period. Fun & prizes for all. Everyone welcome.

§ § § § §

ARBORETUM CLOSING DATES - The Arboretum & grounds will be closed on Thanksgiving Day, on November 26, December 24, 25, & 30, & January 1.

§ § § § §

FOOD DRIVE - St. Paul Campus Food Drive sponsored by the St. Paul Home Economics Association, November 12-16. Bring non-perishable foods, especially protein type foods, to food drop locations at McNeal Hall, Student Center (behind service counter downstairs), College of Forestry main office, or College of Agriculture main office. Donations should be made before noon November 16. Food will be sent to the Community Emergency Services.

§ § § § §

PUBLICATIONS - "Abscisic Acid & Its Relationship to Seed Filling in Soybeans". by Jeffrey Schussler, Mark Brenner & William Brun in Plant Physiology (1984) 76:301-306.

§ § § § §

!! OVER - OVER - OVER !!

CHEMISTRY STOCKROOM in Smith Hall will be closed November 12-16, & will reopen on November 19 in S169 Kolthoff Hall.

§ § § § §

HOLIDAY PARTY NOTES - The theme that has been chosen for the hort holiday party is "Traditional Holiday Fare". The department has such a rich abundance of ethnic backgrounds that we are hoping you will let us sample your old family favorites. The variety of food available for the party should really be interesting. (The food list is available for your signature in front of 305 AlderH & across from the grad p.o. boxes).

The cost of the dinner is \$5 (tickets available from Kathy in the main office); the time is set for 5:30 for drinks & conversation, & dinner is at 6. Pot luck with an ethnic flare! Entertainment is a "White Elephant Sale". Dancing later in the evening. Dressy attire.

An added note: This is a department-wide party. Everyone will be enjoying the party so that means the work should also be shared. Your social committee needs your support. We need people to help on the various committees. The committees are:

Set-Up (need to be there on Saturday, early in the day) - Kathy & Joan

Kitchen (will need servers & an attendant in the kitchen) - Kathy & Laura

Clean-up (will need to be available after the party until the Arboretum is spic-&-span) -

Beverage (supply a food generic punch recipe & replenish the pop & mix table) -

Music (will need a variety of music, tape & record) - Chad

Thanks -- Your Social Committee

§ § § § §

EGO-TWISTS - Oscar Levant, after listening to the late George Gershwin's monologue about himself, inquired: "George, if you had it to do over, would you fall in love with yourself again"?

§ § § § §

§ § § § §

SEMINAR - On Friday, November 16, Jim Frankenberger, a PhD candidate in Anthropology at the University of Kentucky, will present a seminar on his recently completed Farming Systems project in Sudan at noon in room 207 Student Center.

§ § § § §

PERSONNEL CHANGES - Helen Brechbiel in the Experiment Station Office has been reclassified from Fiscal Officer to Executive Assistant, & Karen Sheidon has been reclassified to Fiscal Officer.

§ § § § §

TWIG-BENDER

Vol. 5, No. 38 - November 16, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Joan L. Darrell

THIS WEEK - NOVEMBER 19-23

MON - Monday Evening Discussion,
Discussion of Exam Question,
7 p.m., Fireplace Room,
McNeal Hall. After-Session
at Mannings.

TUE - NOTE CHANGE OF DAY - Depart-
mental Seminar, "Effect of
Hydrolyzed Starch-Graft-Polyac-
rilonitrile as a Seed Coating
on Field and Laboratory Perform-
ance of Sweet Corn and Cowpea,"
presented by Lawford Baxter,
415 Alderman, 4:00 p.m.

- Departmental Coffee, 9:30 a.m.,
394 Alderman. Treaters are Laura
Best & Joan Nassauer.

THU - Happy Thanksgiving!!!!

FRI - Holiday - Office will be closed.

"IT'S BEGINNING TO LOOK . . ." - Time
to sign up for the Christmas Party on
December 15 at the Arboretum. Lists
are in the hall behind 305. Spirits
will be bright, and a wonderful be-
ginning to the Holiday Season is a
guarantee when you attend.

WHOSE CUBES - There are many, many wax
cubes ready for sectioning in the refrig-
erator in 431. Rumor has it they may be
Pat Holloway's? Can anyone solve this
mystery? While I don't want to toss
anyone's research, we could use the space
for current work. Please contact Mary
Hosier if you have the answers.

AGRICULTURAL POLICY CONFERENCE - The
Conference will be held on Tuesday,
December 18, at the Earle Brown Center
beginning at 8:45 through 4:15 p.m.
Various speakers will discuss "The
1985 Farm Bill: Politics and Agricul-
tural Markets."

FAREWELL TO THE CITATION! Car 3253 has
been turned over for the last time. The
automobile needed extensive repairs, and
it was decided the time had arrived to
dispose of it.

ARBORETUM CLOSING DATES - The Arboretum
will be closed New Year's Eve, and not
December 30 as listed in last week's Twig.

DEAR MARY STUART, I wish to express my
appreciation for making 150 cups of
delicious coffee from a 30-cup coffee pot.
Sincerely, Mrs. Olson.

CIARD - The Committee for International
Agriculture and Rural Development would
like to attract more members. If you
would like to be involved in planning or
presenting future seminars, graduate and
and undergraduate students, please contact
Jane Maland at 3-1498 or Greg Traxler or
Ruben Echeverria at 6-2936.

HOUSING - Faculty/Guest housing is avail-
able for short-term one day to three weeks'
stay in three separate residence halls on
Minneapolis Campus. Rates are \$25 per
night/\$140 seven consecutive nights. For
reservations, call Theresa Robinson at the
Housing Office, 373-7542.

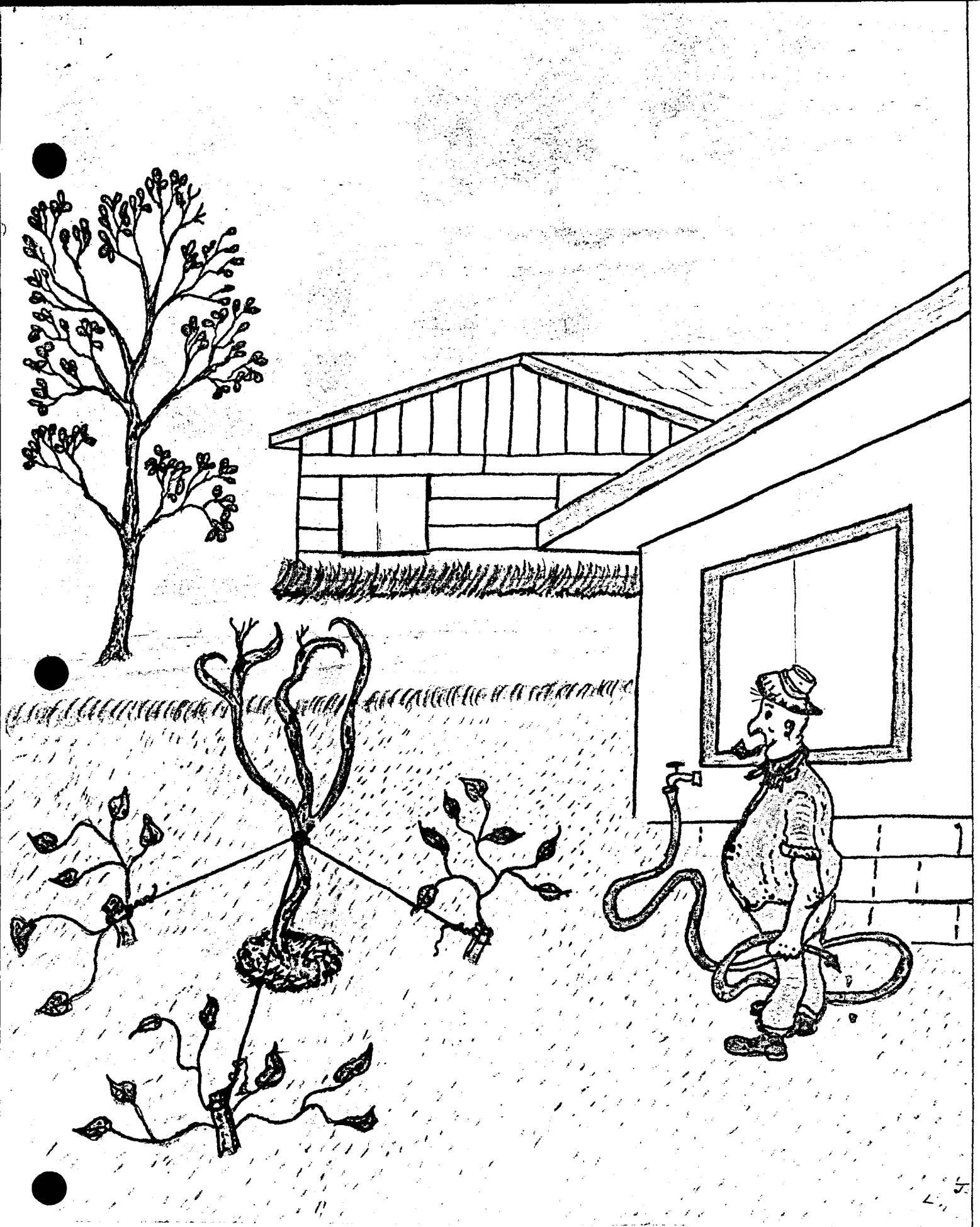
GRAD STUDENTS NOTE - Prelim Questions
for discussion Monday evening will be:
1) What is referred to by the terms in-
breeding depression and heterosis? 2) What
are the genetic reasons for the occurrence
of inbreeding depression and heterosis?
3) What horticultural and botanical proper-
ties are essential in a crop for inbreeding
depression and heterosis to be exploited
successfully on a commercial scale?

INDOOR CONCERT of the U of M Marching
Band will be Sunday, November 18, at 3 p.m.
in Northrop Memorial Auditorium.

FALL PLANT SALE at 108 Student Center on
November 20, 9-5 p.m. and November 21, 8-2
p.m. If you're invited out to dinner, a
plant is a delightful "hostess" gift!

Monday is a bad way to spend one seventh
of your life.

(OVER)



Illustrated by: Laurence Jansen, student. He is currently taking Hort 1010 Independent Study.

TWIG-BENDER

Vol. 5, No. 39 - November 21, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Joan L. Darrell

THIS WEEK - November 26-30

MON - Monday Evening Discussion, "Hormonal Control of Sucrose Synthesis and Partitioning in Lycopersicon esculentum and Glycine max.," presented by Nouredine Cheikh, 7 p.m., Fireplace Room, McNeal Hall. After session at Dr. Wilkins home, 2161 Doswell.

TUE - Departmental Coffee, 9:30 a.m., 394 Alderman. Treats provided by John Carter and Paul Read.

WED - College Assembly, 3:15 p.m., McNeal Hall.

CAREER INFORMATION DAY - The College of Ag Student Board will sponsor an Ag Career Information Workshop on Thursday, November 29, from 10:00 a.m.-3:00 p.m. in the North Star Ballroom. Over 30 agricultural companies will be represented. Students and faculty are urged to attend at their leisure during those hours.

MINNESOTA FOOD PROCESSOR'S ASSOCIATION 78th annual meeting will be at the Marquette in Minneapolis on December 7 from 8:30-1:15 p.m.

PI ALPHA XI WILL SPONSOR a bag lunch, talk and slide presentation by Beth Tidwell, Horticulturist at the Minnesota Zoo. The topic will be, "Horticulture at the Zoo," and will be presented on Friday, November 30, in 415 Alderman at 12 noon. Everyone is welcome!

DISCOUNT - Is anyone placing a Fisher Scientific order in the next week or so? ICL Lab needs to order a \$48 electrode, and if this is part of a \$100+ order, we can get it for \$36. (This may mean there is a 25% savings on orders over \$100). If you want to combine items for an order, please see Margaret Hibberd.

REMEMBER ARCHIE BUNKER? On jurors - "You got a judge who spends half his life in school, after which he spends years as a

lawyer, then a lower judge, then an upper judge, until he finally works his way up to a Superior Court. But does he get to decide who's innocent or guilty? No--that decision's made by four salesmen, three bank tellers, two plumbers, a seamstress and a dingbat!"

DEPARTMENTAL REVIEW response meeting has been postponed to January 18.

COOKIE EXCHANGE - Anyone for a Cookie Exchange this year--perhaps sometime in the beginning of December? See Kathy Lloyd in 305 Alderman if you are interested.

AND SPEAKING OF HOLIDAYS - remember the Holiday party will be at the Arboretum on Saturday, December 15, beginning at 5:30 p.m. Get your tickets from Kathy Lloyd, 305 Alderman for only \$5 per person. Don't miss the fun!!!

FAREWELL festivities for Dr. Ed Schuh will be held on November 26 at 2:30 p.m. in Room B35 Classroom Office Building. Dr. Schuh will give a lecture entitled, "On Being Competitive in a New International Economy." The lecture will be followed by refreshments at approximately 3:15 p.m.

CONTEST TIME! Jim Luby would like suggestions for variety names for:

1. A blueberry using the prefix "north," such as Northblue, etc.
2. Two raspberries, one early fall and one summer bearing.
3. A plum, red-burgundy color with yellow flesh, sweet, 2" diameter.
4. One crisp summer pear, 3" size, with red blush coloration.

Give your suggestions to Jim.

EXCHANGE AGREEMENT with the University of Vienna has been approved. Information is available from Joan. Dr. Stadelmann can assist you with any further information you might need after you have read the memorandum and attachments from the College.

(OVER)



"Aha!"

CHENEY

TWIG-BENDER

Vol. 5, No. 40 - November 30, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Joan L. Darrell

THIS WEEK - DECEMBER 3-7

TUE - Departmental Coffee - 2:30 p.m., 394 AlderH. Treaters for this week are Peter Ascher & Emily Hoover

THU - Faculty Tenure Meeting - 10 a.m., 394 AlderH

§ § § § §

CIBLING will meet as usual on Thursday at noon. See Bud Markhart for details.

§ § § § §

HOLIDAY PARTY TIME - Make December 15 a memorable date in your life! Purchase a ticket for you & a friend for the departmental holiday party! Tickets are only \$5 & may be purchased from Kath Lloyd, committee person in 305 AlderH.

§ § § § §

ENVIRONMENTAL PHYSIOLOGY JOURNAL CLUB will not meet on Tuesday, December 4, but will meet on December 11 at noon in 108 Student Center. Papers for discussion are: Singh, S.P. & Paley, L.G. 1984. Low temperature-Induced GA₃ Sensitivity of Wheat I & II. Plant Physiol. 139-147. Everyone is welcome, but come prepared to discuss.

§ § § § §

DO YOU HAVE a copy of the INMAC computer catalog? Ruth Harter NEEDS to borrow a copy since her copy disappeared.

§ § § § §

GRAD STUDENT REMINDER - There have been complaints that typing elements are not returned promptly. Fellow students are inconvenienced when policy is not strictly followed.

§ § § § §

First salesman: What do you sell? Second salesman: Salt. First salesman: Hey, I'm a salt-seller too! Second salesman: Shake!

§ § § § §

GRADUATE STUDENT TEACHING EXPERIENCE available for winter quarter in Dr. Read's Hort 1036, & Dr. Mullin's Hort 1011. Contact Drs. Read or Mullin as soon as possible for more information.

§ § § § §

COOKIE EXCHANGE - Angie Klidzejs will coordinate this annual gastronomic delight this year. Please have your name & type of cookie in to Angie by 4:30 on Tuesday, December 11. She will then notify participants of rules for quantity & packaging.

§ § § § §

CHRISTMAS AT THE ARBORETUM - Workshop "Holiday Dining With a Flair," December 5, 1-3:30 p.m. The Festival of Trees will be on display, all 16 trees adorned with handcrafted decorations by local garden clubs, from December 8 through January 2. Holiday Open House, December 8 & 9.

§ § § § §

EVERYONE'S INVITED to an after finals party. Come celebrate the end of the quarter at a party hosted by Nancy, Neil & friends. It will be held on Saturday, December 8, at 7 p.m. in Plymouth. RSVP to Neil or Nancy for directions & details.

§ § § § §

GRANTS-Awarded: Horticultural Research Institute Endowment Fund Grants to Drs. Harold Pellett & Wes Hackett for their proposal "Optimizing Environmental Conditions for High Humidity Propagation," & for their proposal "Propagation of Pinus & Other Conifers by Cuttings."

§ § § § §

NOMINATIONS for Superintendent of the North Central Experiment Station at Grand Rapids can be given to Dr. DonWhite, Chair of the Search Committee or other committee members. Application deadline is January 11.

§ § § § §

MISTLETOE PROJECT article in November 30 Daily is an interview of horticulture's own Mark Brenner. A "Don't Miss" informative article!

§ § § § §

FORMS FOR PARTICIPATION in the "Food & Values in the Global System" project are due December 7. If you have not received the information please check with Laura.

§ § § § §

!! OVER - OVER - OVER !!

§ § § § §

AVAILABLE- A copy of "The Minnesota Ag Manual," a resource book listing most of the major agrribusiness companies in the state, is available for LOAN in the office.

§ § § § §

MINNESOTA'S PATTERNED Peatlands: A Threatened Ecosystem? A public symposium on the ecology & future of Minnesota's peatland wilderness. Thursday, December 6, 2-5 p.m., at the Bell Museum of Natural History.

§ § § § §

TWIG-BENDER

Vol. 5, No. 41 - December 7, 1984
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DEC 10-14

MON - Undergraduate Affairs Committee - 9
a.m., 398 AlderH

TUE - Staff Meeting - 8:30 a.m., 394 AlderH
!!CANCELED - CANCELED - CANCELED!!

- Departmental Coffee - 9:30, 394 AlderH.
Treaters for this week are Pat Hencir &
Bronda Harrison

THUR - Graduate Faculty Meeting 10 a.m., 394
AlderH

SAT - Holiday Party - Arboretum - 5:30

Δ Δ Δ Δ Δ

OUR SYMPATHY is extended to Jim & Joan
Darrell. Joan's father-in-law passed away this
morning.

Δ Δ Δ Δ Δ

ON DECEMBER 14th there will be a demonstration
of the Data General One Computer in room 220.
This is a portable computer with LCD display.

Δ Δ Δ Δ Δ

REMINDER: The deadline for signing up to
participate in the holiday cookie exchange is 4:30
p.m. on Tuesday, the 11th. Please return sign-up
sheets to Angie.

Δ Δ Δ Δ Δ

JUST A GENTLE reminder to 'Please ask before ye
taketh' anything from the supply room. Thanks --
Ruth.

Δ Δ Δ Δ Δ

DEFINITIONS: Farm - an irregular patch of nettles,
bounded by short-term notes, containing a fool &
his wife who didn't know enough to stay in the
city.

Farmer - A person who grows cotton, wheat, corn
& desperate.

Δ Δ Δ Δ Δ

NEED A DAY TO recover from finals (taking them
or giving them)? Several people are planning a
day ski trip to the huge hills of Afton Alps (about
30 miles from here) on Monday, 12/10. Tickets
are \$10 to ski from 10 a.m. - 11 p.m., rentals are
\$9 for the day. If interested get in touch with
Chad Finn or Sonja Maki. Even if you've never
skied before, come on out & we'll get you
started!!

Δ Δ Δ Δ Δ

POSITION ANNOUNCEMENT - The position
description for Head of the Department of
Agricultural & Applied Economics here at the U of
M is posted on the bulletin board by the faculty
p.o. boxes. Anyone interested should check it
out.

Δ Δ Δ Δ Δ

HELP!! HELP!! A while ago one of my dis-
tinguished colleagues (or perhaps a student?)
asked to borrow my 220 volt transformer (Variac).
I haven't received it back yet and I'm wondering
where it is. I only use it occasionally, but it would
be nice to know who has it. Thanks, EJS

Δ Δ Δ Δ Δ

HOLIDAY PARTY NOTES: Have you purchased
your ticket, & signed up on the food list indicating
what you'll bring to the Holiday Party? Please
bring serving utensils in case the Arboretum
doesn't have enough. Purchase tickets from Kath
Lloyd, 305 Alderman, \$5 each. Hope you can all
attend - it won't be the same without you! Just 7
days left til the party.

Grad or undergrad students who can't afford \$5 or
who don't have access to a place to prepare a
dish, speak to Chad Finn. We want to see
everyone there.

Δ Δ Δ Δ Δ

PLEASE REMEMBER to pick up your deliveries in
the 3rd floor hallway. If the boxes that say
"business forms" on them are yours, please collect
them now. Thanks.

Δ Δ Δ Δ Δ

A SPECIAL MNA (Minnesota Nurserymen's
Association) GRANT of \$2000 was presented to
The Minnesota Landscape Arboretum. The
contribution was given to be used at the discretion
of the director to help defray costs of special
projects not provided for through regular
Arboretum funding.

Δ Δ Δ Δ Δ

MUSICAL NOTES: If you wish to dance to your
favorite music at the Holiday Party, remember to
bring your tapes &/or records on the 15th. Don't
forget to label them.

Δ Δ Δ Δ Δ

!! OVER - OVER - OVER !!

9.9 BILLION QT OF popcorn eaten annually!!! An expose on popcorn is included in the October issue of ChemMatters, published by the ACS Office of High School Chemistry. This country consumes 9.9 billion qt of popped corn annually, says author Lynn Sibley, or 42 qt apiece for the entire population. People in Minneapolis-St. Paul, the champion consuming area, eat twice that amount per head.

Δ Δ Δ Δ Δ

THE SOCIAL COMMITTEE still needs some help on various committees for the party. Specifically, we could use some persons to direct people, people to bus food from the door to the kitchen, 1 more ticket taker & of course, clean up. Please & Thanks!

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GRAD FACULTY meeting is scheduled for Thursday, December 13, at 10 a.m., in 394 AlderH. Please allow 2 hours for that session.

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DON'T FORGET - The regular monthly staff meeting has been canceled. See you next month.

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TWIG-BENDER

Vol. 5, No. 42 - December 14, 1984
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Sci & Landscape Arch
Editor: Joan L. Darrell

THIS WEEK - DECEMBER 17-21

- TUE - Agricultural Policy Conference,
"The 1985 Farm Bill," at the
Earle Brown Center, 8:45-4:15.
- Departmental Coffee, 394 Alderman,
9:30 a.m.
 - Cookie Exchange, 394 Alderman,
12:00 noon.

HOLIDAY PARTY NOTES - The big day is tomorrow! Reminder: Minnesota law states that at BYOB parties, bottles must be wrapped or bagged and have your name on. Does anyone have heated serving trays for serving casseroles, hot rolls, etc.? If you do and will let them be used, please mark them, or any dish or utensil you bring, with your name. Needed: two more picnic coolers, Sing along instruments. Kathy Lloyd will bring her guitar, though she says she does not play, large trays, more hours in the day, large or small paper bags. And for the indecisive, you can pay at the door should the attraction of a great party be too strong to resist. Don't forget pot-luck items.

AWARDED: Drs. Bert Swanson and Wes Hackett received a \$2,500 grant from the Horticultural Research Institute Endowment Fund, Inc. for their study on determining the optimal storage conditions for enhancing survival of difficult-to-store deciduous, bare-root nursery crops.

Dr. Sharon Desborough has received a funding gift in support of her research from the Frito-Lay Company.

Professor Jane McKinnon will share in a funded project for the production and duplication of a 10-minute videotape on landscaping for use on the cable channel "Infovision." The grant award was from the Innovative Grant Request program of Agricultural Extension.

FIRE ALARMS will be inspected in the building on 12/19 at 8:30 a.m.

GRADUATE TA'S needed for Hort 1100, Biology of Hort Production (Dr. Mullin) and Hort 1036, Plant Propagation (Dr. Read). Please contact Dr. Mullin at 3-1218 and Dr. Read at 3-1219.

RETORT TO B. J. - Why was the cyclamen sitting in the middle of I-94? ANS: Because she didn't listen to her 'mum.

FRESH AND NEW M.S. FACES - Barb Liedl and Lawford Baxter passed their orals recently. Congratulations!

REVIEW RESPONSE for the CSRS departmental review is scheduled for January 7.

THANKS - "I would like to thank Jenni Shaller and Jim Calkins for their outstanding performances as Teaching Assistants in Woody Plant Materials and Biology of Horticultural Production. Each provided a level of help to the students of which the department can be proud. Both, in their own way, made contributions to their own course which will have a lasting impact on the way the course will be taught in the future." R. Mullin, Instructor - Hort 1021 and Hort 1100.

SMOKING REGULATIONS should be observed by everyone in the building no matter the hour. Some complaints have been made that students are smoking in hallways and other non-designated areas. Please observe signs.

NOTICE FROM THE CHINA CENTER that guidelines for travel grants for the faculty exchange program for those planning travel to China between February and June 1985 are available. Some funds for partial travel grants will be awarded at the end of January. July-December travel competition is planned for late spring.

Bob Newhart's advice to last-minute Christmas shoppers: "Get a five-pound box of money, gift-wrapped."

TWIG-BENDER

Vol. 5, No. 43 - December 21, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Joan L. Darrell

THIS WEEK - DEC 24-28

MON - Happy Holiday - Office Closed!!
TUE - MERRY CHRISTMAS

POST PARTY NOTES - Despite the weather, it was a special party! Bernice Bartz asked that Twig express her "Thanks for a great party." & a memo to All from Chad Finn, member of the social committee. "I just wanted to extend my thanks to all of you who worked to put together our holiday party. We weren't sure if we could get everything done, especially setting up the Arboretum in an hour, but amazingly enough, we did. Everyone should give a special thanks to Kathy Lloyd; she put so much time, thought & worry into this party she really deserves our appreciation. I would like to thank Ruth Harter & the Darrells for getting the setup rolling along, Nouredine Cheikh for organizing the music & letting us use his wonderful stereo system, Pete Ascher for bringing some semblance of order to the gift exchange, John Carter for organizing & efficiently carrying out a painless cleanup, Timothy Geneve for keeping the dance floor rockin' along, & everyone else who helped with setting up, taking down, or organizing the kitchen. I would also like to thank all of you who prepared such imaginative food; we really have a bunch of creative chefs in the department. If you have any compliments, make sure the above people, or anyone else you saw scurrying around, hears them, because they put a great deal of effort into this party. If you have any complaints, well, make sure you get involved next year so it won't happen again. Thanks again, & I hope everyone had as good a time as I did." Chad.

P.S. Keep your eye out for information on the skit party/roast.

P.P.S. Keep your eye out for information on our winter sleigh ride. Lynn Steiner & her husband have invited us to their farm for sleigh rides pulled by Belgian work horses. This will probably take place about the first week of February.

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AWARDED - Dr. Harold Wilkins has received a grant from Oglevee Associates, Inc., in support of his research program. In addition, Dr. Wilkins'

proposal, "A Study of Branching of Vegetative & Reproductive Poinsettia Plants & the Biological Control of Poinsettia Branching," was funded by the Society of American Florists Endowment.

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"There are always new & exciting aspects in life if only we have the eye to see them & the gift of wonderment, which children possess & grown-ups should never lose."

J.C. Kersten, S.V.D.

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PLEASE - If you plan to park your personal car near the greenhouse from time to time during the holidays, don't use the spaces where department cars are parked.

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JOB OPPORTUNITIES from Tom Brinda include Landscape Services Mgr., \$30,000 in Pennsylvania; Arborist Foreman at Longwood Gardens; & Assistant Gardener at Mt. Cuba Center in Delaware. See Evonne for more information.

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ANYONE with mucho dinero (lots of extra bucks) & looking for a new palace, check with Bob Nylund. Their home is for sale & available 6/1/85.

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REMINDER to Faculty to send a card or Letter to Citizens Stamp Advisory Committee, c/o Stamp Division, U.S. Postal Service, 475 L'Enfant Plaza SW, Washington DC 20260-6300 telling the Committee you strongly support a Commemorative Stamp issue for the 22nd International Horticulture Congress in Davis, CA, August 11-20, 1986. Deadline for sending letters is September 8.

MISSING - Two projectors are missing from 415 Alderman. Did you borrow? If so, please return. Do you know where they are? If so, please let someone in the office know.

One day in New Mexico an Indian was transmitting smoke signals to other Indians on a distant hill. All at once there was a big explosion and he jumped between two rocks. It was the atomic bomb experiment. As he arose he saw a tower of smoke billow toward the sky. He watched in awe-stricken silence for a moment and then murmured, "I wish I had said that."

LABOR: One of the processes by which A acquires property for B.



THE DARK SIDE OF ANIMAL MAGNETISM

(C. G. ...)

TWIG-BENDER

Vol. 5, No. 44 - December 28, 1984
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Joan L. Darrell

THIS WEEK - DEC. 31 - JAN 4

MON - NEW YEAR'S EVE - University Holiday
TUE - HAPPY NEW YEAR - University Holiday
WED - Consultative Committee Meeting, 398
AlderH, 2 p.m.

LAST CALL - - - Your best refereed paper in print in 1984. The Awards Committee (DWD, JPM, PER) has received very few nominations. Aren't you proud of at least one paper that resulted from your project research this year? (We need 4 reprints or Xerox copies of each paper nominated).

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APPLICATION DEADLINE for the Superintendent, North Central Experiment Station, Grand Rapids, is January 11. Dr. Donald White is Chairperson of the Committee.

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EDUCATIONAL DEVELOPMENT PROGRAM, 1985 - Proposals should be submitted to the college office by Friday, February 8. The college has recieved an allocation of \$7,100 to fund projects that address one or both of the issues of active learning strategies & large class problems.

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YOUR HELP IS NEEDED!! The programs on Scientific Methods & Evolution are in need of evaluation. They must be returned by January 5. Please share your thoughts with us by way of the evaluation book next to the Apple IIE in the computer room. Thanks -- Bud

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TWIG WAS DERELICT in not congratulating Grad Brian Smith & his new wife, Heidi. The Smiths were married in November.

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GRAD STUDENT STUDY IN NORWAY - The 3rd competition for the Torske Klubben Fellowship for University of Minnesota graduate students to study or conduct research in Norway provides a stipend of \$500/mo for a minimum of 3 months & a maximum of 10 months. Application deadline is March 30, & application forms are available from the Graduate School Fellowship Office.

§ § § § §

FREE FISH - If anyone would like a couple of goldfish for a child's fishbowl or aquarium, see Cyndy Fellman in 452. (Editor's note: These are hot items, so get your bid in quickly!)

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WORD ASSOCIATIONS FROM NEW YEAR'S FAST

"Tavern: A place where madness is sold by the bottle" - Jonathan Swift

Liquor: Totter Sauce

§ § § § §

ANNUAL MEETING of the Minnesota Fruit & Vegetable Growers Association will be held at the Medina Ballroom on January 11 & 12, 2 p.m. Friday until 5 p.m. on Saturday.

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PLEASE extinguish your cigarettes before you come into the building. The sand in the entryway is to prevent human breakage in the Ice Age, & should not be used for disposing burning items. In addition, it is unsightly!

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WINTER QUARTER SPANISH CLASSES will begin Monday, January 14. Cost is \$30. Spanish 102 & 202 are the 2nd classes in the beginning & intermediate levels, respectively. For more information if you have not participated up to this point, call Jane Mialand or Audrey Engebretson at the Office of International Programs, 3-1498.

§ § § § §

IN CASE YOU WONDERED, street cleaning machines were used for the first time on December 15, 1854.

§ § § § §



TWIG-BENDER

Vol. 5, No. 45 - January 4, 1985
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci & Landscape Arch
Editor: Joan L. Darrell

THIS WEEK - JANUARY 7-11

- MON** - Monday Evening Discussion -
"Development of Histochemical
Methods for the Localization of Patatin
in Tubers of Solanum," by James
Szychala, 7 p.m., Fireplace Room,
McNeal Hall. After-session at
Mannings, 2200 Como Ave, SE
- TUE** - Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee, 2:30 p.m., 394
AlderH
- WED** - Departmental Seminar - "Control of
Shoot Morphogenesis in Relation to
Phase Changes in Hedera helix", by Dr.
Robert Cordero, 4 p.m., 415 AlderH.
Refreshments at 3:45 p.m.
- FRI** - Discussion in Plant Hardiness, "Effect
of Octoguanidine on Protoplast
Isolation," - by Dr. Ok Young
Stadelmann, 12-1 p.m., 398 AlderH

2nd summer session, 1984, who do not exercise
the residency option will be required to register
within the tuition system minus the residency
requirements & will not be able to avail
themselves of the half-rate tuition feature.

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GOOD LUCK, ORVILLE!! Orville Lindstrom, who
has been working with Bud Markhart the past
few months, has accepted a Research Associate
position in the Agronomy Department.

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PUBLICATIONS:

"A One-Step Enzymatic Assay for Sucrose with
Sucrose Phosphorylase", Paul Birnberg & Mark
Brenner. Analytical Biochemistry 142, 556-561
(1984).

§ § § § §

DEAR TWIG, "The hort department's bowling
team in the St. Paul campus faculty bowling
league finished the first half season in 1st Place!!
The team came on strong in the last few weeks
& moved from 3rd to 1st place on the last night.
Regular bowlers are Drs. Widmer & Markhart,
Roger Meissner & Kevin Grueber. Substitutes are
Kevin Niemi, Bob Geneve & Dr. Hertz". Yea,
Team!!

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GRADUATE STUDENT ORIENTATION is scheduled
for Wednesday, January 16, at 320 Coffman
Union. From 12-12:30 p.m., Dr. Dennis Clayton
will discuss graduation requirements for grad
students followed by a discussion by various
University student services representatives about
the various services available.

§ § § § §

WEDNESDAY MORNING COFFEE WITH FOOD
PROCESSOR FIELDMEN - There will be an
opportunity to visit with the field representatives
of the processors between 8:30 & 10:00 a.m., on
Wednesday, January 8, in the Headhouse
classroom area. Coffee & doughnuts will be
available. If you wish to come & bring eats, feel
free to do so, but it's not required. There should
be 65-80 company reps present.

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!! OVER - OVER - OVER !!

TO THE EDITOR- "I wish to thank all the staff &
students who participated in the Hort Christmas
Party at the Arboretum. The first thing I was told
after arriving back from out of town was the
fantastic job the Hort Department did on cleaning
up & getting things in even better order than
they were before the party. Our thanks to you
all & I hope we have many more successful
parties at the Arboretum". Peter Olin

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CONGRATULATIONS JOAN DARRELL!! Joan has
been appointed to the position: Assistant to the
Assistant Dean for International Programs. Her
new assignment represents a significant
promotion in both challenge & salary -- & will
begin January 16. During her 4 years as
Department Administrator Joan has developed a
reputation for competency, professionalism,
dedication, & wit. She is a friend of all in the
department. These qualities & abilities will be a
challenge to replace.

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GRADUATE SCHOOL RESIDENCY OPTION
deadline has been extended to March 1, 1985.
Those eligible, students first registering in the
Graduate School Fall, 1983, up to & including

TWIG-BENDER

Vol. 5, No. 46 January 11, 1985
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Joan L. Darrell

THIS WEEK - JANUARY 14-18

- MON - Monday Evening Discussion -
"Incongruity & the Crossing of Species"
- by R. Todd Perkins, 7 p.m., Fireplace
Room, McNeal Hall. After session at
W.P. Hackett's
- EXAM QUESTION - 8 a.m. to 4:30 p.m.,
394 AlderH
- WED - Departmental Seminar - "Inheritance of
the Esterase Enzyme Complex in
Solanum Hybrids" - by Barbara Liedl, 4
p.m., 415 AlderH. Refreshments at 3:45
p.m.
- FRI - Discussion in Plant Hardiness - "Genetic
Studies of Cold Acclimation in
Blueberry", presented by Dr. James J.
Luby, 12 noon to 1 p.m., 398 AlderH.

JOURNAL CLUB - STRESS PHYSIOLOGY - We
will meet again this quarter every Tuesday at
noon in room 208 at the student union. On
January 15, the papers for discussion will be,
"Phosphatidylinositol as a Component of the Ice
Nucleating Site of *Pseudomonas syringae* &
Erwinia herbicola", from *Science* 226:4676, Nov.,
1984, & "A Free Etch Study of the Effects of
Extracellular Freezing on Cellular Membranes of
Wheat", in *Planta*, 1984. See Bulletin Board
across from Hardiness Lab for copies of these 2
articles.

URGENT - If you have not turned in your
Progress Report (Experiment Station), requested
deadline 12/28, please do so on Monday, 1/14.

REMINDER - Reimbursement for automobile
mileage will be reduced to 20.5 cents effective
January 1, 1985.

ANOTHER REMINDER - You are cordially invited
to a 'Sundae' Tuesday Ice Cream Social for Joan
Darrell. It will be held on Tuesday, January 15, 2
p.m. in 310 AlderH (note room change). Ice
cream will be provided but please feel free to
bring any favorite toppings. Suggestion lists are
posted in the office & on grad bulletin board.
Any questions - see Ruth.

"ALARMING THOUGHT - The human brain, deep
in thought, consumes about 14 watts of power.
It gives some insight into world politics to
consider that when 3 heads of state meet at the
summit their combined brain power is that of a
40-watt light bulb, scarcely sufficient for reading
the lines, to say nothing of reading between
them". Horton A. Johnson, "Perspectives in
Biology & Medicine"

VOLUNTEER RECRUITMENT - Como Park
Conservatory is recruiting volunteers to assist
with greenhouse duties & upcoming seasonal
shows. Please see information posted on the
Jobs in Horticulture section of the bulletin board
in the 3rd floor lobby of AlderH.

HIC - JANUARY 28-31 - All faculty & staff - no
fee. However, please register in the office. Sign
up - pre-registration in the hort office beginning
Monday, January 14.

KERMIT OLSCN MEMORIAL LECTURE - 4 p.m.,
Wednesday, January 30, at the Earle Brown
Center. Lecturer: Dr. Carl A. Leopold, plant
physiologist, Boyce Thompson Institute, Cornell
University. Topic: "Longevity of Seeds: Theory
& Practice. Lecture followed by student awards
& reception.

PUBLICATIONS --

"A New American Chestnut: Breeding Strategy
for a Blight Resistant Tree". 1984. Bulletin of
the Woody Plant Society Vol. 1, No. 2: 2-9.
Mary A. Hosier, Charles R. Burnham & Paul E.
Read.

"Concentrations of Abscisic Acid & Indole--
3-Acetic Acid in Soybean Seeds During
Development". Mich B. Hein, Mark L. Brenner &
William A. Brun. *Plant Physiol.* 1984,
76:951-954.

Effects of Pod Removal on the Transport &
Accumulation of Abscisic Acid & Indole-3-Acetic
Acid in Soybean Leaves". Mich B. Hein, Mark L.
Brenner & William A. Brun. *Plant Physiol.* 1984.
76:955-958.

AWARDED - Mark L. Brenner has received a gift
of \$25,000 from Monsanto in support of
gibberellin research.

TWIG-BENDER

Vol. 5, No. 47 - January 18, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JAN. 21-25

MON -Monday Evening Discussion - Dr. D.C. Rasmusson: The Plant Breeding Program & Dr. T.K. Soulen: The Plant Physiology Program - 7 p.m., Fireplace Room, McNeal Hall

After session at W.P. Hackett's

TUE -Department Coffee - 9:30 a.m., 394 AlderH. Treaters for this week are C. Wylie & C. Alberty

WED -Departmental Seminar - "Physiology of Gibberellin Induced Flowering in Trees" - by Dr. Richard Pharis, University of Calgary. Refreshments at 3:45.

FRI -Discussions in Plant Hardiness - "Chloroplast Electron Transport Rates" - by Kevin Niemi. 12 noon 398 AlderH

INFORMATION CONCERNING 3 scholarships (John Carew Memorial Scholarship, Lloyd V. Veit Memorial Canadian Scholarship, & Carl F. Dietz Memorial Scholarship) awarded by Bedding Plants, Inc. is available from Laura. Application deadlines for all 3 scholarships is May 1, 1985.

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TWICE THE FUN - Jessie Lee & Jason Adam brightened the world of their parents Bob & Pat Dufault on 1/7/85. All 4 are happy, healthy, & eager to learn Texan!

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WITH A SONG IN YOUR HEART - Singers, even closet & shower singers, please note: We have discovered a director & would like to re-activate the Hort Singers group. Organizational meeting (& first try at a song) will be Thursday, January 24 at noon in room 310. If this time is suitable, we will meet every Thursday noon for winter quarter. Since there is safety in numbers, don't be bashful. Prior experience not required! P.S. - If you would like to try your hand(s) at accompanying a fledgling singing group (any instrument) in a low stress (really a stressless) environment, please see Pete Ascher.

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The sweetest music isn't in oratoriosm but in kind words.

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REMINDER - The College of Agriculture has been allocated \$7100 to fund projects that address one or both of the issues of active learning strategies & large class problems by the Educational Development Program for 1985-86. For more detailed information see Laura. Deadline for submission to the College Office is Friday, February 8.

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MORE TREATERS are needed to bring goodies to the weekly departmental coffee. The sign-up sheet is located by the coffee machine. Thanks.

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DRS. J.J. LUBY & D.W. DAVIS have been reelected to serve 3-year terms as Plant Breeding Steering Committee members representing faculty outside the Department of Agronomy & Plant Genetics. Congratulations.

§ § § § §

IN SHORT - IN HORT is a publication of HortScience & they need input from hort departments in the U.S. on information that would be applicable to the hort industry. If you have any newsworthy items that should go in In Short - In Hort, please forward to Dr. T.E. Crocker, Fruit Crops Department, 1143 Fifield hall, University of Florida Gainesville, FL 32611, or call at (904)392-1996.

§ § § § §

HAVE YOU GOT the Post-Christmas Blues? How about the Mid-Winter Blahs? We have an upcoming event that's bound to cheer anybody up! Announcing the first annual Valentine's Day Skit party! It will be held February 22 at 3 p.m. in room 310. This is an opportunity for fun, food, fun, jokes, fun, skits (talent optional) & lots of fun. The skit party committee will present a prize to their favorite skit. If you have any suggestions or would like to help please see: Mary Stuart, Nancy Olson or Pete Ascher. Watch the space for further details.

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Ever notice that when you dial a wrong number, you never get a busy signal?

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TWIG-BENDER

Vol. 5, No. 47 - January 25, 1985
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - JAN 28-FEB 1

- MON - Horticulture Industries Conference begins - Earle Brown Center. Registration at 7:30 a.m.
- Monday Evening Discussion - Exam Question. 7 p.m., Fireplace Room, McNeal Hall. Aftersession - Mannings
- TUE - HIC - Earle Brown Center - Registration at 7 a.m.
- Departmental Coffee - 9:30 a.m., 394 AlderH. Treaters for this week are Vonnie Kuyper & Mary Hunsperger
- Journal Club - Stress Physiology - 208 Student Center - 12 noon
- WED - HIC - Earle Brown Center - Registration at 7 a.m.
- Kermit Olson Memorial Lecture - "Longevity of Seeds - Theory & Practice" - by Dr. Carl A. Leopold, Boyce Thompson Institute, Cornell University - 4 p.m., 135 Earle Brown Center
- Student Awards
- Wine & Cheese Reception
- THUR - HIC - Earle Brown Center - Registration at 7 a.m.
- FRI - Hort 8062 - Discussions in Plant Hardiness - "Tissue Culture & Cytoplasmic Genetics" - by Dr. Burle Gengenbach, Agronomy & Plant Genetics, UofM

HORT INDUSTRIES CONFERENCE - Don't forget to attend the sessions being offered this year!! Highlights of the conference are the Kermit Olson Memorial Lecture, exhibitors displaying the latest hort products, top level experts from all over the U.S., & job information display (resumes & job openings posted). A more detailed agenda is posted by the grad p.o. boxes & in the front office.

RECOVERING - Dr. deVos is at home recovering from surgery. He is feeling well & in good spirits.

FACULTY - Please note that the February 12th staff meeting has been cancelled - however, a graduate faculty meeting has been scheduled for that time slot.

DR. PAUL READ has been allocated \$500 from Dr. Keith Wharton's teaching improvement funds to support a grading options study.

GAMMA SIGMA DELTA - Faculty are reminded to submit eligible grad student names for Gamma Sigma Delta to Shirley Munson. Qualifications were sent out 2 weeks ago.

January 31, 1892 marked the first time in history that a train was hijacked.

GRADUATE SCHOOL has awarded Dr. Emily Hoover a GS Faculty Research Fellowship for first summer session. Mr. Mark Bennett has been awarded a Doctoral Dissertation Special Grant. The competition for both of these awards is very keen, & having been selected is a tribute to their programs.

DR. JOE SOWOKINOS has accepted an appointment to the editorial board of the American Potato Journal.

VALENTINE SKIT PARTY UPDATE - Well folks, things are starting to shape up. We have 2 skits promised, 1 by Pete Ascher & 1 by Nancy Olson. Kathy Harter has graciously volunteered to help with the plans. The skit committee is giving serious consideration as to appropriate prizes (suggestions are welcome).

There is still plenty of space on our program for additional skits. Just think, this is your chance to discover your hidden acting talent, it's a chance to relive some of the previous year's happenings, in a humorous way & most of all it's a chance to give some deserving (unsuspecting) person a very special Valentine.

Remember - February 22 (Friday) at 3 p.m. in 310 AlderH.

Mary Stuart

WINTER QUARTER bag lunch seminar for faculty sponsored by the Office of International Programs - Tuesday, January 29, noon to 1:30, 351 Coffman Union. Topics: Making a career in international research & How to become a respected international scholar. Coffee will be provided.

DR. M.L. BRENNER has been asked to serve on the panel to review the tree fruits research program of the Washington & Oregon Ag Experiment Stations, at the Tree Fruit Research Center, Wenatchee, WA, April 22-26. This will be a joint review of both Experiment Station's tree fruits research programs with emphasis on future goals. Dr. Brenner will participate in all areas of the review, with primary responsibility for physiology.

FREE - 2 Gopher hockey tickets to tonight's game courtesy of Paul Read. See Cyndy Fellman.

SLEIGH RIDE & AFTERNOON OF FUN - Lynn Steiner has invited us to her home, Saturday, February 23, for sleigh rides pulled by Belgian work horses. Cross country skiing & perhaps even skating will be possible. Mark Saturday afternoon down for a little fun & relaxation. Anyone wishing to help out in any way get in touch with Chad.

An out-of-business sign in a bookstore: "Words failed us."

SPECIAL SEMINAR - Dr. Ron Lundquist, Plant Molecular Biologist from Molecular Genetics, Inc., will present a seminar "Agrobacterium tumefaciens - Past & Present", Thursday, February 14, 1985, at 10 a.m., 415 AlderH.

This seminar is sponsored by the Plant Genetics Discussion Group of the Department of Horticultural Science & Landscape Architecture. Dr. Lundquist will include the historical perspectives from discovery of the bacterial as the cause of crown gall disease to its present use as a vector in molecular biology.

MARGARET WISHES to caution users of walk-in coolers -- the safety handles on the inside do not always work. If you don't want to be found frozen in one, either prop it open when you enter or be prepared to disassemble the compressor. Many coolers only sound alarms when too cold, not too hot (you cannot trigger the alarm by warming the sensor).

THE FIRST MEETING of the Ericaceous Plants Discussion group will be Wednesday, January 30 at 1 p.m. in 152 AlderH. This will be a very informal meeting of those people interested in blueberry, azalea, etc. research. All interested parties are welcome.

BY CHARLES SCHULZ



TWIG-BENDER

Vol. 5, No. 48 - February 1, 1985
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - FEB 4-8

- MON - EXAM QUESTION - 8:00 a.m. to 4:30 p.m., 394 AlderH. Pick up your question from Laura Kalisch.
- Monday Evening Discussion - "Three Dimensional Plant Growth Simulation with a Micro-Computer" - by Mark DeBower. 7 p.m., Fireplace Room, McNeal Hall. After-session at Joan Nassauer's, 1022 Countz Road, Roseville
- TUE - Departmental Coffee - 9:30 a.m. Treaters for this week are Mark Bennett & Kevin Grueber
- WED - Departmental Seminar - "Rhizobium Specificity in the Genus Phaseolus" - by Silvio Zuluaga. Refreshments at 3:45
- FRI - Hort 8062 - Discussions in Plant Hardiness - "Farming System Research & Extension: Principles & Practices" - Delane Welsch, 398 AlderH

FEBRUARY zero is just as cold as zero in January, & February snow often is deeper than January snow. But the sight of the sun all through a steadily lengthening February day gives that day a dimension beyond mathematical calculation. You don't pay so much attention to the calendar or even the clock. You know the inner feeling of change, the sense of the seasons passing -- Hal Borland, from Twelve Moons of the Year

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NOTES FROM JB:

1. I'll be on vacation from 2/2 to 2/16. Laura has my number.
2. Organizationally, for several reasons, we have not yet posted the position for Joan's replacement. In the meanwhile Laura is serving as acting administrator. She has & is diligently working with the "system" to secure added word processing help for the office. Through Laura, Pat will provide procedural & budget assistance. Pat has been authorized to add to her very able part-time clerical crew to fill any gap.
3. Also organizationally, Jerry Ochocki's duties have been given to Peter Moe as a result of combining the Arb & HRC operations. Jerry has been offered a new position at Becker. With this change, Jerry is evaluating alternative opportunities & I'm sure would welcome all suggestions & contacts in his decision-making process.
4. If practice leads to perfection, I'm satisfied that this year's HIC, though not quite perfect, is rapidly approaching. The programs I sat in/looked in on were excellent! I have to believe that Kermit Olson would be pleased. The reception for hort, landscape architecture, grad students & faculty left a good taste. Challenges for next year include presence/participation of LA faculty -- among others that Shirley has promised to discuss with me!
5. The annual report will be out next week. It is a report of accomplishments, 1984, that are

impressive! And if but 20% of the 1985 plans & beyond come to fruition, the excitement will continue.

6. We have completely changed our mailing list, & are placing it on dBase. Included are categories of: 1) PhD graduates; 2) MS graduates; 3) clientele groups; 4) county agents, horticulture; 5) administration; 6) corporations; 7) department heads, horticulture; & 8) friends. A print-out will be circulated to ask your input on corrections & omissions.

7. Looking ahead, we have 3 departmental events of major significance. The grant writing workshop is scheduled for March 12. A departmental retreat & a program review with UMH are to be scheduled.

8. News from the arboretum is that the search committee has closed the search for a new director, January 30, & now has the tough assignment of choosing from among a good pool of candidates. In the meanwhile, Peter Olin has agreed to extend his assignment from April through June on a 40% time basis.

§ § § § §

HERB HCPEN has been named Department Chairman of the Horticulture Department at Wisconsin.

§ § § § §

EFFECTIVE FEBRUARY 1 Dr. Delane Welsch will be Director of International Programs for the Institute of Agriculture, Forestry & Home Economics & Assistant Dean of International Agriculture Programs, College of Agriculture.

§ § § § §

ARBORETUM EVENTS - Getting the Most from the Vegetable Garden - Bob Geneve, instructor. Saturday, February 2. Besides focusing on the very best vegetable varieties for Minnesota gardens, this class will examine gardening techniques that maximize production, such as crop rotation, interplanting, intercropping & succession planting. 10 a.m. to noon, \$3 for members, \$5 for non-members.

Fruits for the 1985 Garden - Sunday, February 3. the first in a series of Sunday programs, a knowledgeable horticulturist will discuss new & improved varieties of fruits suitable for Minnesota gardens & identify their sources. Gardeners' specific questions will be answered & expert advice given. 1-3 p.m., open to the public at no charge.

§ § § § §

EXEMPTION REGULATION: Employees presently claiming exemption from Federal &/or State Income tax, must file a new form W-4 with the Payroll Personnel Division on or before February 15, 1985, to continue exemption from Federal &/or State Income tax. For more information see Pat Hencir.

§ § § § §

!! OVER - OVER - OVER !!

APPLES THROUGH THE AGES - Zeus appoints Paris to judge a beauty contest between Aphrodite, Hera, & Athena. First Prize: the Apple of Discord, inscribed "To The Fairest". (Aphrodite wins, becoming Miss Greek Mythology)

§ § § § §

THE ERICACEOUS Plants Discussion Group will meet in 394 AlderH (note room change) at 4 p.m. on Thursday, February 7. Topics to be discussed include discussion of current research (continued from last meeting) & research problems. All are welcome.

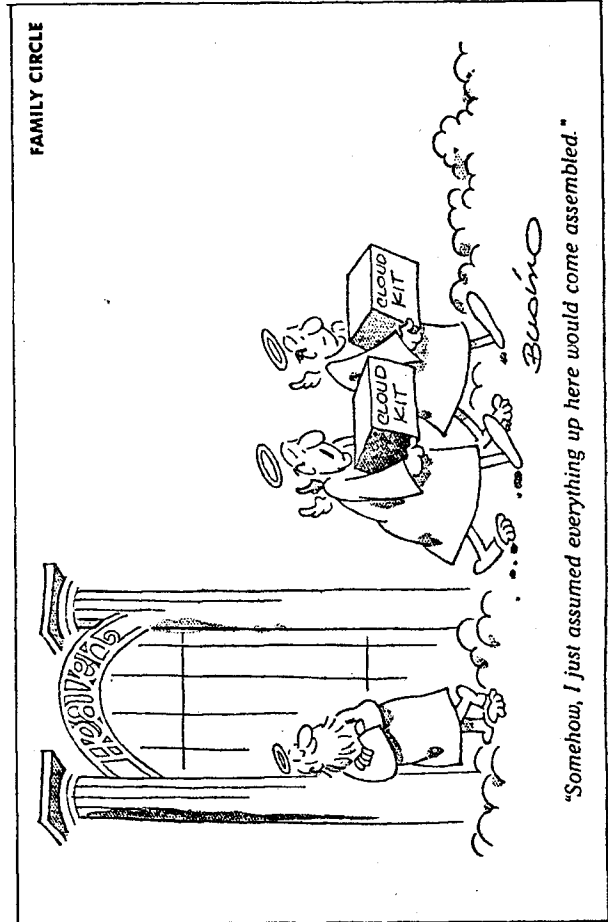
§ § § § §

NEW BALL RED BOOK - regular price \$18.95, group orders - \$17.95. Please place orders now (before February 11) through R.E. Widmer, 458 AlderH.

§ § § § §

SKIT PARTY UPDATE - The Hort Club has promised us a skit for the party. It is rumored that there are some excellent impersonators in the group. There will also be a song. The singers haven't decided yet if it will be a tasteful or humorous song. We understand that there will also be one or two special valentines presented to members of the department. We refuse to specify the recipients for fear that they will leave town on February 22. The skit committee is willing to consider all bribes for the best skit prizes. We still have plenty of room for more performances. Get your reservations to Mary Stuart, Nancy Olson or Pete Ascher. **DON'T FORGET** - February 22 (Friday) room 310 AlderH at 3 p.m.

§ § § § §



university
of
minnesota
memo

date Nov. 9, 19 84

to Faculty/Grad. Students

from Joan Darrell *rd*

CORRECTION for November 9, 1984 TWIG: Laura Best will be delivering the Monday night seminar on November 12, 1984. The name of her discussion is Tissue Culture of Evonymus europaeus.

After session will be at Paul Read's as indicated in TWIG.

Thanks -

TWIG-BENDER

Vol. 5, No. 49 - February 8, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - FEB 11-15

- MON - Monday Evening Discussion - Douglas Pratt: Graduate Training in Biology at the University of Minnesota. After-session at Dr. H.F. Wilkins', 2161 Doswell Avenue
- TUE - Graduate Faculty Meeting, 8 a.m., 394 AlderH
- Special Seminar - Potato Breeding with Haploid Species & Meiotic Mutants" - by Dr. S.J. Peloquin, University of Wisconsin, 12 noon, 408 Agronomy Building
- Departmental Coffee - 2:30 p.m. Treaters this week are Laura Kalisch & Karl Ruser, 394 AlderH
- WED - Departmental Seminar - "Response of ABA Levels to Chilling Temperatures in Root Systems of Glycine max" - by Kevin Edberg. 4 p.m., 415 AlderH. Refreshments at 3:45
- THUR - Special Seminar - "Agrobacterium tumefaciens - Past & Present" - by Dr. Ron Lundquist, Molecular Genetics. 10 a.m., 415 AlderH
- FRI - Discussion in Plant Hardiness, 12 noon, 398 AlderH - Factorial Affecting N-Fixation in Third World Countries" - by Dr. Peter Graham, University of Minnesota

WELCOME BACK!! As you may have noticed, Harriet Getter has returned to the department to help the office staff. She will be here until the end of September.

§ § § § §

SUNDAY AFTERNOON AT THE ARBORETUM - Vegetables & Herbs for the 1985 Garden. A Horticulturist will discuss new & improved varieties of vegetables & herbs suitable for Minnesota gardens & identify their sources. 1-3 p.m., open to the public at no charge.

§ § § § §

WANTED: A Place to Stay. A student from India will be coming to visit a friend who is completing her MA at the U. She is 24-25 years old, probably has completed her MS in botany &

would like to take a course at the arb & 1-2 on the St. Paul campus. She will be here spring quarter. Contact Mervin Eisel for more information.

§ § § § §

REPRESENTATIVES FROM THE INTERNATIONAL Study & Travel Center will be on the St. Paul Campus, Feb. 14 to discuss the various overseas study-travel opportunities that are available to COA students. The presentation will be from 2:15-3:00 p.m., in 202, 204 & 206 Student Center. You are welcome to attend.

§ § § § §

ATTENTION -- All users of dishwashers on 2nd floor. Every load of dishes should be recorded on the clipboard to the left of the dishwasher. This isn't only necessary as a means to monitor the amounts of deionized water used, but more importantly, each project is charged a fee for the loads. Please notify any workers that may not be aware of the policy. Thanks.

§ § § § §

GRADUATE SCHOOL GRANT-IN AID program information for 1985-86 has just arrived. Application deadline is 4:30 on March 4, 1985. See Laura for guidelines & applications.

§ § § § §

THE MACHINE SHOP & Auto Garage on the St. Paul campus is scheduled to be burned by the St. Paul fire department between the dates of April 1 thru April 12, 1985. M. Mitteness is requesting that departments keeping supplies, equipment or research materials in that building have it removed by March 27. The building will be accessible between 8 a.m. & 4 p.m. on work days. If you have questions call 3-1184.

§ § § § §

THE BROOKLYN BOTANIC GARDEN is once again sponsoring summer fellowships for college juniors or seniors interested in the field of public horticulture. Information about the fellowship is posted on the bulletin board in the 3rd floor lobby of AlderH.

§ § § § §

FYI - "The Great Race" from New York to Paris began on February 12, 1908 - & - The first cow was flown in an airplane on February 18, 1930.

§ § § § §

!! OVER - OVER - OVER !!

TWIG-BENDER

Vol. 5, No. 28, September 7, 1984
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - SEPTEMBER 10-14

- MON - Staff Meeting, 394 AlderH - 9:30 A.M. --
NOTE TIME CHANGE
- TUE - Morris Fall Day
- WED - Lamberton Fall Day
- THUR - Waseca Fall Day

OPEN ENROLLMENT period for health insurance is in progress until September 30. All University employees currently participating in the state health program are eligible. Application forms and a new information brochure will be in the department next week. See Laura for the brochure.

FIELD DAY at the HRC is Saturday, September 15 from 9-12. There will be wagon tours, Dial-U booth, apples, cider & cookies. Everyone is welcome!!

WALKING TOUR of the arboretum gardens will feature the new perennial garden, herb garden, Wilson rose garden & hosta glade. Special emphasis will be on fall-blooming flowers & on trees & shrubs with colorful foliage & fruit - 10:00-11:30 a.m., Tuesday, September 11.

APPLICATION DEADLINES for the Rhodes Scholarships for 2 (possibly 3) years of study at Oxford University; Marshall Scholarships for 2 (possibly 3) years of study at a British university of the student's choice; & Churchill Scholarships for 1 or 3 years of study in engineering, mathematics, or science at Cambridge University are approaching. Applications for the Rhodes & Marshall scholarships will be accepted on campus through October 4, & the Churchill deadline is November 15. For more information see Laura.

ANNOUNCEMENTS FROM UAC - A) Computer as a Classroom Tool Workshop at either Michigan State University or Iowa State University; B) Reinforcement Agri-media (RAM) from Waseca - audio visual materials available from UMW & UofM

Media Distribution Services; C) COA Planning Advisory Committee Report of '83-84 Committee Discussion; D) above items available for perusal by faculty from Evonne.

HOORAY for 2 new Masters of Science!! Betsy Zimmerman & Kathy Louis passed their MS exams Wednesday & Thursday, respectively. Heard there was a little celebration Thursday (What, levity on the 4th floor?!?!?) Congratulations, Betsy & Kathy!

THE INSTITUTE HAS been given \$5000 to be used in securing financial support for projects related to research training or public service. For more details see Laura.

BE CAREFUL about calling yourself an "expert". An "ex" is a "has-been" & a "spert" is a drip under pressure.

IF YOU HAVE an extra file cabinet you would like to get rid of, see Nouredine Cheikh, he is looking for one.

GEO. J. BALL, INC. has hired Jeanne Grout as assistant tissue culturist. She will start working in West Chicago on October 1.



The first image transmitted on experimental television in the 1920s was that of the cartoon character, Felix the Cat.

(OVER)

THERE HAVE BEEN some very heavy demands on the IBM-PCs lately. The situation would be considerably alleviated if users were careful to schedule no more time than they know they need & if they would show up for the times they have scheduled. The computer lab policy statement states: "Individuals may reserve blocks of time not to exceed 3 hours in 1 block, nor 5 hours in 1 day. If an individual does not log-in within 15 minutes of the reserved time, the computer may be used on a first come, first served basis."

§ § § § §

VALENTINE SKIT PARTY UPDATE - We have decided that Mary Stuart will be the master of ceremonies. Does anyone have a rubber chicken that she can borrow? In talking to people about potential skits I keep hearing the words bowling balls used. Could someone please explain to me what that means? We are asking that various members of the audience help us out by bring contributions to the munchies. There will also be a basket for contributions to help reimburse us of for the purch & decorations. Get our skit reservations in to Mary Stuart soon. Don't Forget! Friday, February 22 at 3 p.m. in 310 AlderH.

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ANOTHER DON'T FORGET - The sleigh party on Saturday, February 23 at Lynn Steiners. Any questions or suggetions check with Chad Finn.

§ § § § §

TWIG-BENDER

Vol. 5, No. 51 - February 22, 1985
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & Landscape
Architecture. Editor: Ruth Harter

THIS WEEK - FEB 25-MARCH 1

- MON** - Monday Evening Discussion - Membrane components in Phaseolus vulgaris & Phaseolus acutifolius related to heat tolerance. Presented by Tsai-Yun Lin. After-session at Mannings.
- TUE** - Departmental Coffee - 9:30 a.m., 394 AldH. Treeters for this week are Mary Hosier and Ruth Harter.
- WED** - Departmental Seminar - "Comparison of inorganic and organic fertilizer products on growth and yield of tomatoes" presented by Jennifer Shaller, 4 p.m., 415 AldH. Refreshments at 3:45.
- FRI** - Discussions in Plant Hardiness - "Agricultural Research Policy/System" presented by Professor Vernon Ruttan, 398 AldH, 12:00-1:00 p.m.
- Dr. Winston Brill from Agracetus will be presenting a talk entitled "Biotechnology and Agriculture" at 7:30 p.m. in the North Star Ballroom, St. Paul Student Center.

LOST YOUR KEYS? - Keys found by meters first floor entrance. See Harriet, Room 305.

EPSON PRINTER USERS - The printers in the Computer Room have worn-out ribbons. We can recycle your castoffs! Bring cartridges to Computer Room. (ed. note - computer ribbon cartridges can be recharged, see Ruth for information)

RESEARCH APPRENTICESHIP PROGRAM FOR HIGH SCHOOL STUDENTS - Further information regarding this program is available from Laura. Applications for this program are due at the Ag. Experiment Station no later than 12:00 noon, Thursday, March 12.

APPOINTMENT SIGN-UP SHEET for Roy A. Mecklenburg, candidate for Arboretum Director is on front counter, room 305. Interviews will be held Tuesday, February 26, 1985, in room 394, Alderman Hall.

NO SNOW - NO SLEIGH RIDE - Due to forces beyond our control (a week of Florida weather in Minnesota), we are postponing the sleigh ride. We're going to try March 9; hopefully we'll have some snow by then. Everything else will be the same. Any questions, talk with Chad.

ENVIRONMENTAL PHYSIOLOGY JOURNAL CLUB - paper for Tuesday noon meeting is involvement of calcium and calmodulin in membrane deterioration during senescence of pea foliage, by Y.Y. Leshem, et al. 1984. Plant Physiology 75:329-335.

REVENGE OF THE NERDS - Tired of being a yuppie or yuppie-in-training? Trade in your old image for a special night as a nerd. Neil Anderson and Deb Brown are throwing a nerd party at Deb's house, Friday night, March 1st, right after the 7:30 performance of "Revenge of the Nerds" at the St. Paul Student Center, which we'll see first to put us in the mood. We'll serve the oreos and weinies
(continued page two)

RUSSIAN PROVERB FOR TODAY - Patience does not always help. Impatience never does.

ANCIENT PROVERB FOR TODAY - Sometimes the best gain is to lose.

DISCRETION - Closing your eyes to a situation before someone closes them for you.

in cocktail sauce; you bring the beverages (Kool-Aid will be provided). Festivities begin about 9:30 p.m. next Friday at 2 Barton Ave. S.E., Minneapolis (Prospect Park). Please let Neil or Deb know if you're planning to attend.

TWIG-BENDER

Vol. 5, No. 52 - March 1, 1985
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - MARCH 4-8

- MON - Monday Evening Discussion - "Interspecific hybridization of Phaseolus vulgaris & P. acutifolius: Specificity to Rhizobium" - by Kobra Haghghi. 7 p.m., Fireplace Room, McNeal Hall. After-session at Dave Davis', 2264 Commonwealth Avenue, St. Paul
- TUE - Staff Meeting - 8:30 a.m., 394 AlderH
- Presentation/Questions with Dr. Shannon Smith, Candidate for the Arboretum Director position, 1:30-2:30 p.m., 415 AlderH
- Departmental Coffee, 2:30 p.m., 394 AlderH - This week's treaters are Martha Piechowski & Nouddine Cheikh
- WED - Departmental Seminar - "Use of reciprocal petiole grafts to study translocation of factors influencing adventitious root initiation in easy- & difficult-to-root forms of Hedera helix" - by Mimoun Mokhtari, 4 p.m., 4:15 AlderH. Refreshments at 3:45
- FRI - Discussions in Plant Hardiness - "Heat tolerance in the common & tepary beans" - by Ms. T.Y. Lin, 12 noon, 398 AlderH

CONGRATULATIONS to the students who passed final & prelim oral exams for their PhDs this week. Dr. Mahmoud Kasrawi passed his final oral on Thursday, February 28. Meng-Jiau Tseng & Brian Smith passed their prelim oral exams yesterday & today, respectively.

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ASK MR. FOSTER Selected as Preferred Travel Management Firm!! Extensive change within the travel industry has prompted the U to carefully review the process by which we purchase more than \$10,000,000 in travel & travel-related services each year. A request for proposals was sent out in August & Ask Mr. Foster was selected as the University's preferred travel management firm last month. For more information about this service, check the bulletin board in the main office.

§ § § § §

STUDENT EMPLOYMENT & INTERNSHIPS at Botanical Gardens & Arboreta for 1985. Over 110 summer & part-time/seasonal employment positions & 190 internship positions for 1985 at 76 botanical gardens, arboreta & other horticultural institutions are included in the "Student Employment & Internships at Botanical Gardens & Arboreta for 1985" directory. The directory is located at Evonne's desk in 305 AlderH.

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PLEASE RETURN - Will whoever took the overhead projector to the greenhouse please bring it back. We really don't need 2 of them at the greenhouse.

§ § § § §

GRADUATING SENIOR DINNER PARTY - Wednesday, March 13th at Dr. Wilkins' home - 2161 Doswell, St. Paul. All advisors of the graduating students welcome. RSVP to Evonne.

§ § § § §

THE UNIVERSITY OF WISCONSIN-Extension Service is in need of additional applicants with preparations in horticulture for their summer hort agent positions. The deadline for applications has been extended to March 15. Any student desiring an application form or further information can call collect (608)263-1945. The position description is posted on the bulletin board in the lobby of AlderH.

§ § § § §

GARDEN WRITERS ASSOCIATION OF AMERICA'S 1985 Annual Student Scholarship Award Competition application forms are available from Laura. The competition is open to all students, both undergrad & grad, interested in the art of growing plants & the art of garden communication. Deadline for application submission is Friday, May 31, 1985.

§ § § § §

NOMINEES for the College of Agriculture for the Horace T. Morse-Amoco Foundation Awards for 1984-85 will be selected by the College & University Honors Committee of the College of Ag. Nominations should be sent to Dr. H.A. Morris, 239 Food Science & Nutrition, by Friday, March 15.

§ § § § §

TWIG-BENDER

Vol 5, No. 50 - February 15, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - FEB 18-22

- MON - Welcome back JB!
- Monday Evening Discussion - Exam Question, 7 p.m., Fireplace Room, McNeal Hall. After-session at Mannings
- TUE - Departmental Coffee - 9:30 a.m., 394 AlderH. Treeters for this week are Leonard Hertz & Nancy Olson
- WED - Departmental Seminar - "Identification of Gibberellins by Examining ¹⁴CGA, ¹²Aldehyde Metabolism" - by Sonja Maki, 4 p.m., 415 AlderH. Refreshments at 3:45
- FRI - Discussions in Plant Hardiness - "Selection for Early Vigor in Maize" - by Dr. Jon Gadelmann, 12 noon, 398 AlderH.
- Skit Party - 3 p.m., 310 AlderH

SUNDAY AFTERNOON AT THE ARB - Flowers for the 1985 Garden - Continuing the arb Sunday series of programs designed for the eager gardener, a knowledgeable horticulturist will discuss new & improved varieties of flowers most suitable for Minnesota gardens & identify their sources. In addition, he will answer gardeners' specific questions & share his expertise. Sunday, February 17, 1-3 p.m., open to the public at no charge.

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THE GRADUATE SCHOOL has awarded our department \$18,000 to continue our departmental fellowships for graduate students. Application details for this fellowship will be announced soon.

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BRING THE SPICE of citrus into your home: toss dried orange peel in the woodburner or fireplace for a delicious aroma.

Δ Δ Δ Δ Δ

FIRST ANNUAL BEST REFEREED PAPER Award has been awarded to:

- 1) Jeffery R. Schussler, Mark L. Brenner & William A. Brun. Abscisic Acid & Its Relationship to Seed Filling in Soybeans. Plant Physiology 76:301-306.
- 2) William E. Healy & Harold F. Wilkins. Temperature Effects on 'Nellie White' Flower Bud Development. HortScience 19(6):843-844.

Δ Δ Δ Δ Δ

ARBORETUM SESSION - Understanding Winter Hardiness, by Harold Pellett. In this class at the arb, students will learn how plants harden to withstand severe winter conditions, how they are able to tolerate subzero temperatures & then de-harden in spring. Problems involved in importing plants from other parts of the world will also be discussed. Fee: members - \$3, non-members - \$5.

Δ Δ Δ Δ Δ

IF YOU HAVE any scalpel handles or long forceps that are part of the visual equipment for use in the ICL sterile hood, please return them immediately. Also the ICL lab is pleased to announce that its pH meter has been repaired. Thanks -- Margaret.

Δ Δ Δ Δ Δ

WANTED - An Elvis Presley record - 'Love Me Tender' - See Mary Stuart.

Δ Δ Δ Δ Δ

NEW PRICING & buyout information inserts for General & Chemical Storehouse stock book are now available from Ruth.

Δ Δ Δ Δ Δ

SOCRATES SAID - If all our misfortunes were laid in 1 common heap, where everyone must take an equal portion, most people would be content to take their own & depart.

Δ Δ Δ Δ Δ

ON CAMPUS INTERVIEWS with 2 companies are scheduled for this coming week. CHEMLAWN will be on campus to interview recent & upcoming graduates for "Chemlawn Specialist" positions on Tuesday, February 19. On Wednesday, February 20, Lied's Landscape Management will be here. Both position announcements are posted on the bulletin board in the main lobby of AlderH. Interested students should sign-up for interviews room 272 Coffey Hall.

Δ Δ Δ Δ Δ

VALENTINE SKIT PARTY UPDATE - Well here we are, only 1 week away from the big event. That's plenty of time to come up with an award winning skit! We have several skits signed up so far, but there is plenty of room on the program for more. Please let Mary Stuart know about your skit by Thursday morning (Feb. 21) so she can figure out scheduling & staging.

Also, 1 week is plenty of time to put together a munchie for the party. We are providing punch for this affair, but it's going to be pot luck for the snacks.

The skit committee is looking forward to what will surely be the social event of the season. If you need information or would like to offer assistance please see Mary Stuart, Nancy Olson or Pete Ascher.

Δ Δ Δ Δ Δ

IF YOU HAVE NOT turned in Dr. Betsinger's survey on biotechnology -- please do so! This department is one of the most tardy. If it is not applicable, they want it returned.

Δ Δ Δ Δ Δ

DR. PAUL E. READ is a candidate for the ASHS Education Division Vice President position in the 1985-86 elections of ASHS Officers. All voting members of ASHS are urged to exercise their privilege & responsibility to vote. The postmarked deadline for return of ballots is March 22, 1985.

§ § § § §

MS CYNDY FELLMAN passed her M.S. exam on Wednesday & deserves the plaudits of all. Therefore a small celebration after work today will take place. See note by the grad student p.o. boxes for more details. Nice going, Cyndy!

§ § § § §

DEFINITIONS: Nursery - The only known place where money grows on trees. Path - In most gardens, the shortest distance between 2 eyesores.

§ § § § §

DON'T FORGET - Tonight is Nerd Night. First, see 'Revenge of the Nerds', 7:30 p.m. at the Student Center (come early - this movie will have wide, WIDE appeal). Then party with Deb (Nerdette) Brown & Neil (the Nerd) Anderson at Deb's house, 2 Barton Avenue SE. Nerd food will be served, but feel free to bring your favorite drink or munchy. 2 Barton Avenue SE, 9:30 or so tonight. No designer jeans or 3 piece suits allowed.

§ § § § §

DUE TO THE GRANT WRITING WORKSHOP scheduled for March 12, the March Staff Meeting is scheduled for next Tuesday, March 5. See you there!

§ § § § §



"Do you think our tree would like a bird?"

TWIG-BENDER

Vol. 5, No. 53 - March 8, 1985
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - MARCH 11-15

- MON - Arboretum Director Candidate Seminar - by Dr. B.T. Swanson, 1:30 p.m., 415 AlderH
- Monday Evening Discussion - "Incongruity in the Genus Phaseolus" - by Linda Chesnut, 7 p.m., Fireplace Room, McNeal Hall. After-session at Paul Read's, 561 Rolls Road, New Brighton
- TUE - Grantsmanship Workshop - 8 a.m. - 4:30 p.m., Land O'Lakes, Inc., 4001 Lexington Avenue N
- Departmental Coffee - 9:30 a.m., 394 AlderH. Treeters for this week are Kathy Lloyd & Brian Corr ☞
- WED - Departmental Seminar - "Use of Clonal Testers to Evaluate the Transmission of Flowering Earliness in Chrysanthemum morifolium" - by Timothy Teynor, 4 p.m., 415 AlderH. Refreshments at 3:45
- Mini-Symposium on Rhizobium-Legume Symbiosis - "Stress Physiology of Bean" - by Dr. A.H. Markhart, 10-11 a.m., 394 AlderH
- FRI - Plant Hardiness Discussion - "The Physiology of Vesicular-Arbuscular Endomyconhiyla Symbioses" - by Chris Andersen, 12 noon, 398 AlderH

FINALLY ARRIVED - "Little" Kevin Lawrence was born on Thursday, March 7, at 12:03 p.m., weighing in at 10 lbs, 2 oz, he is 22 inches long. His parents are Colleen & Gary Krank.

§ § § § §

SENIOR GRADUATION PARTY - is scheduled for March 13, 5:30 p.m. at Harold Wilkins' house. Advisors, don't forget to encourage your student to attend the dinner & be sure to let Evonne know what you plan to bring for the potluck dinner.

§ § § § §

SPECIAL SEMINAR - "Plant Breeding & Pest Resistance", by Dr. A.L. Hooker, Tuesday, March 12, 12 noon, 408 Agronomy. Dr. Hooker is a plant pathologist/breeder who has done much work in developing pest-resistant corn & other crop cultivars using both conventional & novel approaches.

§ § § § §

NOTICE & WARNING - March is proclaimed Department Clean-Up Month. This proclamation will be followed by inspection. (Inspection teams to be announced later!!)

§ § § § §

SILENCE squeaky floors by sprinkling talcum powder into the cracks between the floorboards.

§ § § § §

HELP!! The examples of graft incompatibility used for teaching in the greenhouse have disappeared. Anyone knowing their whereabouts, please return them to the greenhouse classroom for use next Wednesday.

§ § § § §

FINAL NOTICE: Friday, March 15 is the last day the Wang will be in operation. Sincerely yours, Ruth.

§ § § § §

DEPARTMENT RETREAT- Dinner, June 10; all day - June 11. Please mark your calendars.

§ § § § §

RESERVE MONDAY, March 25 to hear an outstanding presentation on English gardening by Alfred Evans, Curator of the Royal Botanic Garden, Edinburgh, Scotland. He will be speaking at 8 p.m. in the Penthouse of the Science Museum of Minnesota, 30 East 10th Street, St. Paul. There will be a reception for Mr. Evans following the slide-lecture presentation. Admission is \$3 payable in advance or at the door. Since seating is limited it is recommended that you make reservations by sending your check to the MN State Hort Society by March 20.

§ § § § §

PLEASE ADDRESS ALL CORRESPONDENCE & requests regarding the Ag Experiment Station, whether projects, personnel, or funding to Dear C.E. Allen. During the past few months numerous requests for funding, changes in representatives to projects, & concerns about paper work have been erroneously sent to Dr. Sauer. Thank you.

§ § § § §

!! OVER - OVER - OVER !!

CONGRATULATIONS to the hort volleyball team. They bowed out in the 3rd round of the playoffs after a terrific season. The team consisted of: Nordine the Moroccan Machine Cheikh, Barb Fick, Sonja Maki, Teresa Novack, the Perkins, Todd & Chipper, & of course "J.R." Schussler. Good job.

§ § § § §

SLEIGH RIDE UPDATE - The gods seem to be against us. Lynn & consultants don't think there will be any snow left by tomorrow afternoon. We'll have to cancel the sleigh ride, but we may be able to pull off a hay ride come spring-time. Keep your eye peeled for this & other activities planned by your social committee. If you have any suggestions for spring/summer activities, see Chad.

§ § § § §

KEEP SUEDE shoes looking new through this snow & slush: rub them with a piece of stale rye bread or a rubber sponge.

§ § § § §

NEWLY ELECTED Hort Club officers for 1985-86: Georgiana (George) Smith, president; Brooks Whitton, vice president; Ken Yliniemi, treasurer; Jackie Thiebe, secretary; Scott Aker & Nancy Hinrichs, greenhouse chairpersons; & Dennis Orfei, social chair. These new officers will assume responsibilities after MACHS. Congratulations.

§ § § § §

FACULTY POSITIONS - Minnesota Studies in International Development (MSID) seeks faculty mentors for student interns going to Senegal (French required), Kenya & Colombia (Spanish required) winter quarter 1986. Mentors are responsible for instruction in predeparture orientation, on-site guidance during internships, & administrative follow-up. Position availability depends upon student enrollment. Interested faculty should call MSID at 6-5394 or 3-3793, or write 201 Nolte-West. Application deadline is March 15 & selected mentors will be announced on April 1.

§ § § § §

THE NEXT TARGET date for doctoral dissertation proposals submitted for consideration by the Division of Biotic Systems & Resources, NSF, is May 1, 1985. For more information check with the Director of Graduate Studies or Laura.

§ § § § §

TWIG-BENDER

Vol. 5, No. 54 - March 15, 1985
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch
Editor: Laura M. Kalisch

THIS WEEK - MARCH 18-22

- MON - Finals Week
- Open House - Potato Research Laboratory, 9 a.m. to 9 p.m., Red River Valley Potato Research Lab, East Grand Forks
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. This week's treaters are Ruth Harter & Joan Nassauer
- WED - Mini-Symposium on Rhizobium - Legume Symbiosis - "Measurement of Nitrogen Fixation Under Field Condition" by Dr. Gary Heichel, 10-11 a.m., 394 AlderH.
- FRI - End of Winter Quarter, 1985
- Special Preview - "English Country Gardens", 6-8 p.m., Dayton's Minneapolis

CLOSING FOR INVENTORY - Chemical & General Storehouses will be closed for inventory March 25-29, & will reopen for business on April 1. Orders must be received by Storehouse no later than noon, March 19.

§ § § § §

SPECIAL ARBORETUM BENEFIT - A special preview of "English Country Gardens," Dayton's-Bachman's annual flower show, will be held from 6-8 p.m., Friday, March 22, at Dayton's Minneapolis store's 8th floor auditorium. Experience the delicate pleasures of an English garden, along with entertainment & buffet in the best of British tradition. Proceeds from the event will be directed to the Minnesota Landscape Arboretum's children's garden program. For further information please call the arboretum, 443-2460.

§ § § § §

A GENTLE REMINDER - Grades are due in the College Office 72 hours after an exam. Please be sure to give Evonne enough lead time to get signatures on grade reports to get them turned in on time. Thanks.

§ § § § §

RUBBER BANDS slipped over spools of thread keep the ends from unwinding & cluttering up your sewing box.

§ § § § §

CONGRATULATIONS to Georgina Ricci, Jan Stokesbary, Kraig Stohlhammer, Brenda Wickenhausen & David Wolff. These 5 young scholars are our graduating seniors this winter quarter 1985.

§ § § § §

BIRTH ANNOUNCEMENTS:

Cory Jeff, son of Jewel & Pete Engstrom, arrived on February 21, at 11:55 p.m, weighing in at 9 lbs, 1 oz, & 22 inches in length.

The department also has several new grandparents:

Jessica Lea White was born on March 13, tipping the scales at 8 lbs, 7 oz, 20 inches tall. Laura Beth Schmidt, granddaughter of Jim & Bernice Bartz, arrived on February 27. And the stork delivered Megan Laura Hard on February 20.

All the babies, parents & grandparents are fine & happy.

§ § § § §

HORT GARDEN PLOTS, INC. - Jim Luby, Chief Executive Officer, & Chad Finn, Chief Managing Officer, are taking over responsibility for the garden plots this summer. Jim will be looking for field space, if you have any please talk to him. Chad will be getting sign-up lists up soon so keep an eye open for them. Any comments or suggestions see Chad or Jim.

§ § § § §

TO KEEP PLASTER from chipping, stick a piece of Scotch tape over the spot where you're pounding in a nail.

§ § § § §

BOB CORDERO will be returning to Minnesota toward the end of March & will be needing a place to live. If anyone knows of a room to rent, preferably with convenient access to the St. Paul campus, please slip a note into his p.c. box.

§ § § § §

!! OVER - OVER - OVER !!

§ § § § §

SLINGCYCLOMETER for humidity measurement. Do we have one in the department? If so - contact H.F. Wilkins or J. Dole.

§ § § § §

§ § § § §

OFFICE EQUIPMENT REMINDER: The office equipment, i.e., IBMs, printer, typewriters, etc., are for office personnel only. Please do not come in after hours or on the weekends to use the equipment. Thanks for your cooperation.

§ § § § §



TWIG-BENDER

Vol. 5, No. 55 - March 22, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MARCH 25-29

- MON - University Holiday - Enjoy the Spring!!
THUR - MACHS/PI Alpha Xi Mixer - 5-6 p.m.,
North Star Ballroom, St. Paul Student
Center.
FRI - MACHS/PI Alpha Xi

BIRTHDAY GREETINGS - A birthday card for Professor Alderman is available to sign to help celebrate his 100th birthday (4/6). Stop by Laura's desk by the 29th if you care to add your name.

§ § § § §

FACULTY REMINDER - If you haven't yet made your appointment with Dr. Bartz for your annual visit, please do so now.

§ § § § §

FOR THE PURPOSES of advising undergrads, Ag & Applied Econ is attempting to put together a collection of course outlines from departments of the College of Ag. It would be helpful if all instructors would send a recent copy of course outlines to: Ag & Applied Econ, 231 COB, St. Paul Campus.

§ § § § §

HORT CHORUS has been cancelled until April 4. We'll get a fresh start this spring.

§ § § § §

MACHS '85 is almost here! Hort clubs from Michigan, Illinois, Wisconsin, Iowa, Kansas, Nebraska & Missouri will be arriving Wednesday night. Don't forget the MACHS/PI Alpha Xi mixer is scheduled for 5-6 p.m., Thursday, March 28, North Star Ballroom, St. Paul Student Center. We'd like as much faculty representation as possible. Programs for the 3 days' events will be distributed to faculty next week. You are welcome (even encouraged) to join in any of the activities which interest you. Deb Brown, 1985 MACHS Advisor

§ § § § §

BEDDING PLANTS INC., is accepting applications for the James K. Rathmell, Jr. Memorial Scholarship designed to assist students who wish

to work/study abroad in the field of floriculture or horticulture. Application, letters, & documents must be completed & mailed to BPI postmarked no later than May 1, 1985. For further information &/or application forms, see Laura.

§ § § § §

DEAN ALLEN & ROY WILCOXSON would like to meet with all advisors of Moroccan students to answer questions you may have & to request your continued support. The meeting will be April 16 at 10-11:30 a.m., in 120 Coffey Hall.

§ § § § §

WORDS FOR QUITE MOMENTS - There is a point with me in matters of any size when I must absolutely have encouragement, as much as crops rain: afterwards I am independent.

§ § § § §

OUR LATEST MASTER of Horticultural Science is Ms. Jenni Shaller. She passed her final oral examination Thursday, March 21. Congratulations!!

§ § § § §

MS. CAROL A. HARTLEY has been awarded a Partial Graduate School Tuition Scholarship for Spring Quarter, 1985.

§ § § § §

HOLIDAY SCHEDULE AT THE ARBORETUM - Monday - arb grounds will be open & scheduled classes will be held. The Snyder Building will be closed. Easter Sunday (4/7) - fully open. Memorial Day (5/27) - fully open. July 4 - fully open.

§ § § § §

WEDDING BELLS chimed on the 1st day of spring for Carl Rosen & Joann Barbour. Best wishes for a wonderful & happy life together.

§ § § § §

MAN o' WAR, perhaps this country's most famous racer, was born on March 29, 1917. He died 30 years later.

§ § § § §

INTERVIEW OF CANDIDATE for Extension Food Technologist (Fruit & Vegetable Processing) - On April 9, Dr. H.W. Schafer will be interviewed for the above position. This position is a new position in the Department of Food Science & Nutrition & represents another significant connection between food sci & hort. The seminar will be presented at 9 a.m., April 9, in room 23, food sci building with 30 minutes following for interaction with faculty. The title of the seminar is "Extension Opportunities In Fruit & Vegetable Processing - An Industry Viewpoint". More details on the interview schedule will be available later.

§ § § § §

NOW THAT THE P.O. BOXES are in the back hallway, it's even more important to keep the hall clear of the delivery boxes. Please be sure to check the boxes daily & take yours away immediately. Also remember that the door must be shut & locked evenings & weekends. Thanks.

§ § § § §

ADDITIONAL VISITORS to our department this week are the Pi Alpha Xi Flower Judging Teams. Let's make all our visitors feel welcome!

§ § § § §

POSITION AVAILABLE - Assistant Tuesday Morning Coffee Preparer & Cleaner-Upper. Stop by Evonne's desk in 305 for more info & application forms.

§ § § § §

HAPPY ANNIVERSARY - Harold & Shelby Pellett have been married for the past 25 years. Congratulations & may you have at least 25 more!

§ § § § §

TWIG-BENDER

Vol. 5, No. 56 - March 29, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - APRIL 3-5

- MON - Spring Quarter 1985 Begins
- TUES - Departmental Coffee, 9:30 a.m., 394 AlderH. Treaters this week are - Martha Piechowski & Tim Teynor
- WED - Mini-Symposium on Rhizobium - Legume Symbiosis - "Nitrogen transfer & root exudates from inoculated forage legume" - by Laura Brophy. 10-11 a.m., 394 AlderH
- Departmental Seminar - "Manipulation of Castanea for in vitro propagation" - by Yang Qiguang. 4 p.m., 415 AlderH. Refreshments at 3:45

INTERVIEW OF CANDIDATE for Extension Food Technologist (Fruit & Vegetable Processing) - April 9, Dr. H.W. Schafer will be interviewed for the above position. This position is a new one in the Food Science & Nutrition Department & represents another significant connection between food sci & hort. The seminar will be presented from 9-10 a.m., 23 Food Science Building, with 30 minutes following for interaction with faculty. The title of the seminar is "Extension Opportunities in Fruit & Vegetable Processing - An Industry Viewpoint". More details on the interview schedule coming soon.

§ § § § §

MATRIX PROGRAM ON MOROCCO - Sunday morning (3/31) MATRIX will present the 2nd half of a filmed program on the U's project in Morocco. This session is listed in the program as "Specialists share their expertise in a key area of the global economy - agriculture". The MATRIX program is on Channel 5, KSTP-TV, at 11:30 a.m.

§ § § § §

WILL THE BORROWER of the alcohol book please return it immediately to Pat. Thanks.

§ § § § §

CARGILL, INC., will be on campus Wednesday, April 10 to interview current juniors in the College of Ag for Commodity Merchandising Internship positions (PEP). Interested students may sign-up for these interviews in 272 Coffey Hall.

§ § § § §

NEW PHONE SYSTEM will be installed at the U in 1986. Several general sessions have been scheduled for next week to provide information on the new features these phones will provide. Everyone should be sure to attend one of these sessions. A copy of the schedule is posted in the main office.

§ § § § §

The internal combustion engine was patented on April 2, 1826.

§ § § § §

HEAR YE - HEAR YE! Announcing the Yang Qiguang International Pot-Luck!! To bid Mr. Yang a fond adieu, a pot-luck party will be held at 561 Rolls Road, New Brighton, Friday, April 5, 7 p.m. Bring your favorite ethnic food to share (American counts) & be prepared to enjoy lots of food, conviviality (& maybe sit on the floor) -- we'll miss Qiguang's good humor & ready smile, so we'll have one more pot-luck in his honor.

§ § § § §

STADLER GENETICS SYMPOSIUM TRIP TIDBITS - Chad F., driving the slow car, managed to avoid being stopped by the police. Perhaps Peter V. needs lessons from him on how to drive slow. Bridget's Wesson Oil unfortunately was not used. Barb L. & Linda C. have ice fetishes, as well as an unusual affinity for water. The kids, Neil A. & Barb L. were rotten. Pete A. kindled his intellect with late night martial arts movies. Next trip you are going on make sure Linda C. brings the refreshments. Tell me how 3 lowly MS students & 1 PhD student can navigate the roads of Iowa with no problem & 2 professors & 2 PhD students can end up 20 miles off course, heading for Nebraska on a supposed "Rock Garden Tour" -- way to go Jim L., Pete A., Pete V. & Bridgett R.

§ § § § §



!! OVER - OVER - OVER !!

§ § § § §

"The important thing is not to stop questioning".
--Albert Einstein, from Peter's Quotations.

§ § § § §

GARDEN PLOTS UPDATE - Time is running out so make sure you have signed up. Also, anyone who signed up on the list by the faculty p.o. boxes -- that list seems to have disappeared, please re-sign-up on the list by the grad p.o. boxes. Questions? See Chad.

§ § § § §

THE ICL LAB has some new expectations for use of hood & washing glassware. If this involves you, please see the new positings in the lab the 1st of April. Also our box of weighing paper has disappeared -- please return it if you have it. Thanks.

§ § § § §

§ § § § §

THERE ARE LOTS of unclaimed reprints posted on the reprint bulletin board. Please check it, if you have requested a reprint & it hasn't arrived, it may be there. Also, there are still several unclaimed deliveries in the hallway that need to be removed. Thanks.

§ § § § §

Have a good week!



TWIG-BENDER

Vol. 5, No. 57, - April 5, 1985
305 Alderman Hall, St. Paul, MN 55108

THIS WEEK - April 8-12

- MON - Exam Question - 8 a.m. - 4 p.m., 394 AlderH
- Monday Evening Discussion - "Selling Your News to a Newspaper" - by Sam Brungardt, Communication Specialist, Communication Resources. 7 p.m., Fireplace Room, NcNeal Hall. Aftersession -
- TUE - Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee - 2:30 p.m., 394 AlderH. Treaters this week are Leonard Hertz & ?
- WED - Mini-Symposium on Rhizobium-Legume Symbiosis, 10-11 a.m., 394 AlderH. "Asparagine Metabolism; Alfalfa Nodules (N₂ Assimilation)" - by Sieglinda Snapp.
- Floriculture Seminar - 10-10:45 a.m., 398 AlderH. "Branching" - by H.F. Wilkins
- Departmental Seminar, 4 p.m., 415 AlderH. "Environmental Control of Floral Initiation & Development in Euphorbia pulcherrima" by Kevin Gueber. Refreshments at 3:45

THE COLLEGE OF AGRICULTURE Civil Service Advisory Council is holding a meeting April 10 in 110 Student Center from 12 noon to 1 p.m. to discuss salary & promotion issues. John Erickson from Personnel & Georgia Reay from the University Civil Service Committee will be on hand to answer any questions you may have pertaining to University policy towards compensation. Here's your chance to find out how it works!

§ § § § §

THE LONGEST CYCLE tour on record, by Mishreelal Jaiswal of India, ended in San Francisco on April 5, 1964. He traveled through 107 countries from 1950 to 1964 & wore out 5 machines in the process.

§ § § § §

SURVIVOR'S PARTY & Celebration of Puff's 15th birthday will be held Saturday evening, from 7 p.m. to ? at H.F. Wilkins home, 2161

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

Doswell. BYOB, food & etc. to eat. Bring dancing records. Mike Evans, new grad student from VPI will be there to meet.

§ § § § §

ORA HAS OBTAINED a copy of Federal Biotechnology Funding Sources. The purpose of this resource book is to assist researchers & administrators in securing federal funding in biotechnology by identifying programs & activities which fund extramural research & development & key individuals to contact regarding a particular program. The book is available for faculty use in the ORA library.

§ § § § §

There is no art & no science of greater importance than that which teaches seeing, which builds a sensitivity & respect for the natural world. A natural world, thus cherished, will always bring mornings when men are new born" -- David Brower, "In Wilderness Is the Preservation of the World"

§ § § § §

A REMINDER: You are invited to view a series of 10 hour-long tapes on Grantsmanship by Davis Bauer. This week is the 2nd in the series. Bring your lunch, coffee is provided. Presentation starts promptly at noon in room 202 of the Student Center. This series is sponsored by the Ag Experiment Station & the Department of Rhetoric.

§ § § § §

JULY 1, 1985 is the deadline for the following NSF Grant Proposals: Cell Biology, Cellular Physiology, Developmental Biology & Eukaryotic Genetics.

§ § § § §

IF EGGS BREAK as they're boiled, repair the damage with vinegar. Just add a little vinegar to the cooking water & the egg-shells will reseal themselves.

§ § § § §

A PSYCHOLOGIST is a person who watches everybody else when a beautiful woman comes into the room. -- From "Jokes from the Pubs of Ireland" (& TMT)

§ § § § §

!! OVER - OVER - OVER !!

A VERY SPECIAL THANK YOU to the Hort Club for improving the working environment of the main office & lobby & for the beautiful spring plants that you brought in this week. We in the office appreciate your thoughtfulness & the beauty these plants provide.

§ § § § §

HORT SINGERS will meet spring quarter at noon on Wednesdays. All voices are encouraged to join in the fun.

§ § § § §

IF YOU HAVE a news flash for the Twig please have it in to the editor by Thursday of the week you want it announced. Thanks.

§ § § § §

LOST & NOT YET FOUND -

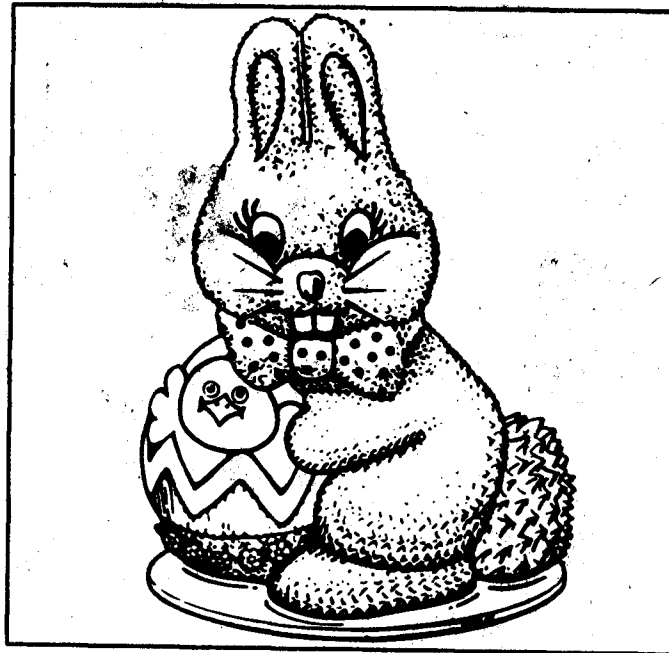
I lent the Victory Garden Landscaping Book by Tom Wirth to one of my close personal friends in the department. But I forgot which one! I need the book to take to Crookston on Monday. May I have it back. Thanks, J. McKinnon

Has anyone seen a 4x6 lined file card with a recipe for 'strawberry bread'? Please return to K. Lloyd.

Thanks

§ § § § §

Have a Good Week!



TWIG-BENDER

Vol. 5, No. 58 - April 12, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - APRIL 15-19

- MON - Monday Evening Discussion -
"Permeability Changes &
Lipid-protein Interactions in the
Plasmalemma" - by InSun Chung. 7
p.m., Fireplace Room, McNeal Hall.
After-session at James Spychalla's,
1355 Albany, St. Paul
- TUE - Departmental Coffee, 9:30 a.m., 394
AlderH. Treaters this week are
Angie Klidzejs & Dave Davis
- WED - Mini-Symposium on Rhizobium--
Legume Symbiosis, 10 a.m., 394
AlderH. "Rhizobium Specificity of
interspecific Hybrids of Phaseolus
vulgaris - Phaseolus actifolius" - by
Kobra Haghighi
- Floriculture Seminar - "Branching" -
Kevin Grueber & John Dole. 10
a.m., 398 AlderH
- Winning Grants - Grantsmanship
Brown Bag Lunch Seminar - 12
noon, 207 Student Center
- No Departmental Seminar
- FRI - Hardiness Discussion - "An Up-Date
Report on Mefluidide Effects on Corn
Chilling Stress" - by Paul Li. 12
noon, 398 AlderH

DEPARTMENTAL VISITORS - Dr. Noud van
Swaaij from the Netherlands, will be here for a
month working with Paul Li. Mr. Arnaud De
Mortain, a graduate student from Versailles
Hort School in France, is a 2 week guest in the
department & of Dr. Wilkins.

§ § § § §

JOBS AVAILABLE: 1 Sr. Plot Technician, BS
or more in hort with experience (or training) in
vegetables & would like some nursery crop
familiarity. Probably a 2-year appointment.

3 Summer Staff

Location: NE Minnesota.

Contact: Tom Levar (218)726-6138 (Natural
Resources Research Institute)

§ § § § §

TERMINATION OF REGENTS' Policy on Creative
Retirement - President Keller is recommending
termination of the Regents' Policy on Creative
Retirement -- to be effective 6/30/86.

§ § § § §

LOST or MISPLACED - A 5 ml Chempette #7857
was lost in the greenhouse. It is gray & green in
color with an adjustable volume. If found please
return to Carl Rosen, 33 Soils. Thanks.

§ § § § §

DISCUSSION IN PLANT HARDINESS - 12 noon
today, 398 AlderH. Dr. Noud van Swaaij will
present a discussion entitled: "Selection of Frost
Hardiness in Potato Cell Cultures".

§ § § § §

GRADUATE STUDENTS who have been awarded
grants for computer use -- BE SURE you use the
ACCSTAT command to check on your balance.
When your allotments have been expended, all
further usage will be billed to you. To get the
documentation for ACCSTAT, use the control
statement WRITEUP,ACCSTAT.

§ § § § §

HORT SINGERS will not be meeting this
Wednesday (4/17) but will meet the following
Wednesday.

§ § § § §

THE OL' RED MAN proudly announces the birth
of Melinda Beth Murrey. Parents, Carol
Robacker & Alex Murrey, & Melinda are all doing
fine.

§ § § § §

TOGETHERNESS - "When one tugs at a single
thing in nature, he finds it attached to the rest of
the world." -- John Muir

§ § § § §

ASHS ELECTION RESULTS have been recieved &
Dr. Paul E. Read has been elected to the
Education Division Vice President-Elect office.
As a newly elected Vice President-Elect for
1985-86, Paul will become Vice President for
1986-87; & will, during 1986-87, serve on the
Board of Directors, the Program Committee, &
the Science Priorities Committee, & during
1986-88, will serve a 2-year term on the
Symposia & Workshops Committee.
Congratulations.

§ § § § §

MEETINGS TO DISCUSS Rollover Option for Faculty Retirement Funds have been scheduled to provide an opportunity for faculty in the Twin Cities to obtain info & to ask questions about the option of transferring the proceeds of their faculty retirement program into an individual retirement account of their own choosing. Dr. Kenneth O. Doyle, Research Associate, ORA, will present info about the various alternatives available. The St. Paul Campus meeting is scheduled for Wednesday, 4/17, 2:30-4:30 p.m., 110 Peters Hall.

§ § § § §

THE OFFICE IS NOT in the position to accept COD deliveries. If you are expecting CODs please bring your cash/check to the office BEFORE delivery is made. Thanks

§ § § § §

ANNUAL RETIREMENT LUNCHEON honoring those retiring from positions on the St. Paul Campus will be held in the Earle Brown Center on Tuesday, May 14 at 12 noon. Tickets are \$2.75 & must be paid for when obtained, before noon on Wednesday, May 8. Please have your money & reservations in to Laura no later than Tuesday, May 7. Thanks.

§ § § § §



"Flowers are the sweetest things God ever made & forgot to put a soul into." -- Henry Ward Beecher

§ § § § §

THE DIRECTORY OF Financial Aids for International Activities & New Directions for Biosciences Research in Agriculture are now available for your reading pleasure. See Laura if interested.

§ § § § §

ATTENTION ASHS PARTICIPANTS: If you are interested in going with the department to the ASHS meetings July 28 to August 2, please sign up on the sheet by the grad mailboxes. We need to know how many people plan to go. Travel options, similar to those of previous years, will be announced soon & the group will then vote on the preferred means of transportation. Any questions, see Neil Anderson.

§ § § § §

HORT BOWLERS WIN!! The department's campus bowling team placed first for the first half of the season. The Woodpickers placed first for the second half. A run-off took place for the championship & horticulture won 4-0. The Woodpickers are a strong, competitive team & hort won games 2 & 3 by 1 & 3 pins respectively. Team members are Kevin Grueber, Bud Markhart, Roger Meissner & Dick Widmer. Top notch subs are Bob Geneve, Len Hertz & Kevin Niemi.

§ § § § §

Have A Good Week!

TWIG-BENDER

Vol. 5, No. 59 - April 19, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - APRIL 22-26

- MON - Monday Evening Discussion -
CANCELLED
- TUE - Departmental Coffee - 9:30 a.m., 394
AlderH. Treaters this week are Mark
Bennett & Rhoda Burrows
- WED - Mini-Symposium on Rhizobium--
Legume Symbiosis. Speaker this
week is Dr. D. Barnes. 10 a.m., 394
AlderH
- Floriculture Discussion - "Breeding
Ornamental Plants Future" - T.
Teynor & Panel. 10 a.m., 398 AlderH
- Winning Grants - Grantsmanship Bag
Lunch Seminar - by David Bauer.
202 Student Center. Bring your lunch
- coffee provided
- Departmental Seminar - "The Master
Gardener Program in Minnesota:
Creating an Awareness Campaign" -
by Lynn Steiner. 4:00 p.m., 415
AlderH. Refreshments at 3:45
- FRI - Hardiness Seminar - "Some
Considerations of Plant Growth in
Extreme Daylength in Norway" - by
Sigurd M. Assev. 12 noon, 398
AlderH

PLANT MYSTERY - 3 plants have been moved in
the greenhouse & we need to find them right
away. Missing are 2 Mugo pines, & 1 Techney
Arborvitae. If you know the whereabouts of
these plants, please see Bert Swanson or Jim
Lewis. Thanks.

§ § § § §

A U OF IOWA woman undergrad student will be
working here this summer & wants a
room/apartment from May 15-Aug 15, share
expenses. Anyone in the department interested?
Contact H.F. Wilkins.

§ § § § §

WE MISS OUR stapler! Please return it to 358
AlderH. Thanks!

§ § § § §

SEMESTER WORKING GROUP report is in the
office. Anyone interested in reading it see
Laura.

§ § § § §

ON APRIL 21, 1823, the first steamboat started
up the Mississippi River from New Orleans. Mark
Twain, who would write about steamboats on the
Mississippi, had not yet been born.

§ § § § §

MR. KIRK W. POMPER has been awarded UROP
funding for the project - "Presence of Polytene
Chromosomes in Apple Suspensers". He will be
working with Emily Hoover.

§ § § § §

MARK YOUR CALENDARS NOW for the Hort Club
Spring 85 Bedding Plant Sale - May 15, 16 & 17,
in front of the Student Center.

§ § § § §

CONGRATULATIONS to Nancy Olson who just
passed her final Master's exam this morning.

§ § § § §

IF YOU ARE CONSIDERING ordering an IBM
Microcomputer through the University
Microcomputer Discount Program during this
fiscal year, U Bookstores requests that you place
your order with them before May 25. If you
need advice about what microcomputer
hardware & software is appropriate for your
needs, want to try machines before you
purchase, or need current price info, call or visit
the UCC Microcomputer HelpLine (6-4376, 125
Shepherd labs). To order microcomputer
hardware or software, visit the Electronics Desk
in the Minnesota BookCenter (in Williamson Hall).

§ § § § §

SOMETIME ON 4/12/85, someone reset the
thermostat on cooler room 198C, in the
greenhouse. This was done without adjusting
the alarm thermostats thereby causing it to
indicate an equipment malfunction. In response
to this alarm a refrigeration mechanic was
dispatched, on overtime, to correct the problem.
To avoid this type of unnecessary expense, only
qualified personnel should reset the thermostats
or make any other equipment adjustments.
Thanks.

§ § § § §

TO THE SALT SHAKER BANDIT - Please return
the salt shaker to the coffee room - FULL.
Thanks for your consideration.

§ § § § §

Have A Good Week!

TWIG-BENDER

Vol. 5, No. 60 - April 26, 1985
305 Alderman Hall, St. Paul, MN 55108

THIS WEEK - APRIL 29 - May 3

- MON - Monday Evening Discussion - "Inheritance of Ear Length in Zea mays var. rugosa" - by Max Martin. 7 p.m., Fireplace Room, McNeal Hall. After-session at Dave Davis's, 2264 Commonwealth, St. Anthony Park
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. Treaters this week are Jim Bartz & Evonne Kuyper
- WED - Mini-Symposium on Rhizobium-Legume Symbiosis - "Associative Nitrogen Fixation in Wetlands" - by Jim Lorenz. 10 a.m., 394 AlderH
- Floriculture Seminar - "Roots & Temperature" - by Barb Fick & Panel. 10 a.m., 398 AlderH
- Winning Grants - Grantsmanship Bag Lunch Seminar - 202 Student Center. Bring your lunch - coffee provided
- Departmental Seminar - "Interspecific Hybridization of Phaseolus vulgaris & P. acutifolius: Crossability & Fertility" - by Kobra Haghighi, 4 p.m., 415 AlderH. Refreshments at 3:45
- THUR - Joint Plant Physiology & Horticulture Seminar - "Studies on Cold Hardiness of Vitis in Michigan" - by Dr. G. Stan Howell. 3 p.m., 310 AlderH, refreshments at 2:45
- FRI - Hardiness Seminar - "Observations on Morocco" - by Bud Markhart, 12 noon, 398 AlderH

BE SURE TO check out the back page of your latest HortScience. Dr. Widmer provided all the information for this article to help celebrate Prof's 100th birthday.

§ § § § §

CONGRATULATIONS to Dr. Silvio Zuluaga. He passed his final PhD oral examination yesterday (4/25/85) and will be leaving for Honduras next week.

§ § § § §

WOULD THE PERSON who borrowed my copy of Hartman & Kester's "Plant Propagation" please return it to me? Thank you, Kevin Edberg.

§ § § § §

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

DON'T FORGET the St. Paul Campus Retirement Recognition Luncheon. Make your ticket reservations with Laura no later than May 7.

§ § § § §

ON APRIL 29, 1934, Bonnie Parker & Clyde Barrow stole a brand-new Ford V8 from a roofing contractor in Topeka, Kansas. The couple drove the car 7500 miles in 23 days before they were ambushed by the Texas Rangers in Louisiana.

§ § § § §

HILL VISITING PROFESSOR PROGRAM - Applications for regular (for 1986-87) & preliminary (for 1987-88 & 88-89) Hill Visiting Professorships will be accepted on or before October 7, 1985 at the Graduate School. For application procedures & more information see Laura.

§ § § § §

SPECIAL JOINT plant physiology & horticulture seminar on Thursday, May 2, at 3 p.m. in 310 AlderH. The speaker will be Dr. G. Stan Howell from the Department of Horticulture, Michigan State University. Refreshments are at 2:45 p.m., mark your calendars & plan to attend.

§ § § § §

If life is less than your wildest dreams -- you're being short-changed!

§ § § § §

HORRORS . . . An Update! Despite 2 close losses (16-13 & 8-4) this season, the Hort Horrors Co-Rec softball team has had some tremendous moments. In the 1st game, shortstop Paul Read & 1st baseman Todd Perkins teamed up for fast put-outs. Roger "Already Stretched" Meissner & John "Newly Stretched" Pignato did likewise in the 2nd game. Carol Wylie held the corner on the 3rd base for both games. "Dashing" outfielding was performed by Chad Finn, George Smith, Roger, John Paul Birnberg, Doug Sawyer, Mary Hosier & Vonnie Kuyper. Power sluggers included Carol, Doug, Roger, Todd, Theresa Nowak, Kevin Niemi, Barb Fick, George, John, Paul B., Paul R., & Kathy Ward.

§ § § § §

!! OVER - OVER - OVER !!

ANNUAL FLOWERS IN THE LANDSCAPE - A carefree carnival of color will be the summer scene for participants in this class who will learn about the culture, use & best varieties of appealing annuals. Thursday, May 2, 1-3 p.m. & repeated from 7:30-9:30 p.m. Glenn Ray, instructor. \$4 members, \$6 non-members.

§ § § § §

UNDERGRAD ADVISORS - Word has just been received that the Federated Garden Clubs now have funds for 3 \$200 scholarships that they would like to award to promising horticulture students. Time is short & they would like names before May 1; therefore, applications are not involved. Please inform Dr. Widmer of any worthy candidates immediately.

§ § § § §

WOODLAND WILDFLOWERS: Where They Grow. In 4 field classes students will observe & learn to identify different varieties of wildflowers as they appear during the month of May. Participants will also learn about cultural techniques & requirements of Minnesota wildflowers. 1-3 p.m., May 2, 9, 16 & 23. Mervin Eisel & Shirley Mah Kooyman, instructors. \$16 members, \$20 non-members.

§ § § § §

ROOMMATE NEEDED - Mike Evans will be joining the department as a graduate student next fall & is looking for an apartment/roommate. If you are interested, or know on anyone who is looking for same, please contact H. Wilkins.

§ § § § §

Have a Good Week!



A P-N-E 4 U.

TWIG-BENDER

Vol. 5, No. 61 - May 3, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MAY 6-10

- MON - Monday Evening Discussion - "Gamet Competition in Zea mays" - by David Rubino. 7 p.m., Fireplace Room, McNeal Hall. After-session at the Luby-Hoover's, 1416 N Pascal Ave., St. Paul
- TUE - Departmental Coffee - 9:30 a.m., 394 AlderH. This week's treats provided by B. Zimmermann & S. Munson
- WED - Mini Symposium on Rhizobium-Legume Symbiosis - "Breeding for Increased Nitrogen Fixation in Alfalfa" - by Dr. D. Barnes. 10 a.m., 394 AlderH
- Floriculture Seminar - "Roots & Temperature" - Barb Fick & Panel. 10 a.m., 398 AlderH
 - Winning Grants - Grantsmanship Bag Lunch Seminar - 202 Student Center. Bring your lunch - coffee provided
 - Departmental Seminar - "The Planning Process: Is it Outmoded in the Reality of Opportunism" - Jim Bartz
 - "The Land Grant System: How Appropriate to the Current Environment" - by John Carter
 - This seminar session is in preparation for the departmental review & is scheduled to begin at 3:30 & run until 4:45

CONGRATULATIONS - The Honor Society of Agriculture, Gamma Sigma Delta, initiated the following into the Society: Undergraduates (Seniors) - Alex R. Ellram, Patricia L. Fishel, Paul W. Gehrke, Gregory A. Koob & David D. Wolff; Landscape Architecture - Theodore E. Lee; Graduate Students - Neil Anderson, Barbara Fick, Janis M. Kieft (Hort/VoAg), Sonja L. Maki, Nancy L. Olson & Lynn M. Steiner. It should also be noted that Shirley Munson did an excellent job organizing the awards banquet once again.

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SOMEONE HAS borrowed the radio from the incompatibility lab. Please return it immediately. No ransom will be paid. Thanks.

§ § § § §

STUNNING MAY SCENE at the Arboretum - Spring's pleasures & treasures, long anticipated, are abundantly available in May at the arb. Following shaded trails, visitors can see thousands of wild flowers, some native & barely visible & others massed by variety creating a unique landscape effect. Be sure to stop by & enjoy the daffodils, iris, lilacs & azaleas!!

§ § § § §

ROOMMATE STILL NEEDED - Mike Evans will be joining the department next fall & is looking for a roommate/apartment. If interested see H.F. Wilkins.

§ § § § §

PLEASE USE COURTESY when signing out projectors, cars & other equipment. Your colleagues will appreciate it & so will the office staff.

§ § § § §

FORSYTHIA FOLDER MISSING - if you borrowed it, please return it to H.F. Wilkins.

§ § § § §

DON'T FORGET that the Hort Club's Spring '85 Bedding Plant Sale is coming soon. May 15 is just around the corner.

§ § § § §

ENVIRONMENTAL PHYSIOLOGY JOURNAL CLUB will meet on Tuesday, May 7, at noon in room 108 of the Student Center. Article to be discussed - "Phosphatidylglycerol & Chilling Sensitivity in Plants". Plant Physiol. 77:740-746.

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"Regret", the first filly to win the Kentucky Derby, ran for the roses on May 8, 1915.

§ § § § §

ASHS ATTENDEES: For those of you who signed up for more information on going as a departmental group, please voice your opinion on the travel options to Neil today! To any other interested persons, I do have flight reservations (leave here July 27) for \$188 round trip. Let me know by May 10 if you're interested.

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!!OVER - OVER - OVER!!

FRIDAY 4 O'CLOCK SEMINAR - Be prepared!
Seminar topic for May 3 is: Why do leaves
change colors in the fall?

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NEITHER RAIN NOR COLD NOR WIND the 1st 6
innings could uproot the hardy Hort Horrors
softball team Tuesday. After cultivating a 2-0
lead, the team "voted" to continue their victory
conquest, rather than taking the offer to
reschedule. Jeff Schussler, George Smith, Carol
Wylie, & Sue Stombaugh performed with finesse
out in the field. Roger Meissner, Bob Geneve,
Paul Birnberg, & Todd Perkins combined to weed
out base runners. Kathy Ward guarded home
plate, while Bridget Ruemmele pitched into the
effort. Unfortunately, the Horrors were plowed
under 13-5. All players braving the
environmental stresses any of the past 3 outings
are to be commended (committed?) -- especially
Carol, Roger & Bridget who have survived all 3
sessions.

Since the Hort Horrors seem destined to attract
adversity, a weather advisory is hereby issued for
next Tuesday at 5:40 p.m. on golf course field 1.
Spectators are encouragd, but warned to bring
mittens, 3 sweaters, a raincoat, hip waders & a
lightning rod. Tornado sirens are provided &
sunglasses are definitely optional.

§ § § § §

SPRING PICNIC - Yes, that propaganda
group billed as the "Social Committee" is
about to bombard you with sign-up lists &
info sheets again. We thought it would be
nice to head down to Hidden Falls Park (on
the Mssissippi, just of the Ford Parkway) on
either of the Fridays of May 31 or June 7,
depending on the weather. The "Social
Committee" will take care of the grills &
beverages. We'd like everyone to bring their
own meat for grilling & a pot luck dish to
share. Any suggestions speak to Chad Finn
or Kathy Lloyd. Keep your eyes peeled for
more info!

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Have a Good Week!



"Aren't you
planting your corn too deep?"

TWIG-BENDER

Vol. 5, No. 62 - May 10, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MAY 13-17

- MON - Monday Night Discussion - "Home Economics: Excursion into the Near Environment" - by Keith McFarland, Dean, College of Home Economics. 6 p.m., Jane McKinnon's
- TUE - Departmental Coffee - 9:30 a.m., 394 AlderH. Treeters this week are Ed Stadelmann & Carol Wylie
- WED - Floriculture Seminar - "Ericaceous Plants & Dormancy" - B. Corr & Panel. 10 a.m., 398 AlderH
- Winning Grants - Grantsmanship Bag Lunch Seminar - 207 Student Center. Bring your lunch - coffee provided
- Departmental Seminar - "The Role of Ethylene in Adventitious Root Initiation in Juvenile & Mature Phases of Hedera helix L." - by Bob Geneve. 4 p.m., 415 AlderH. Refreshments at 3:45
- Hort Club Bedding Plant Sale, 9 a.m. to 5 p.m., in front of the Student Center
- THUR - Hort Club Bedding Plant Sale, 10 a.m. - 6 p.m.
- FRI - Hort Club Bedding Plant Sale, 9 a.m. - 2 p.m.

MONDAY NIGHT DISCUSSION will be at Jane McKinnon's home, 644 N Birch Lane, Shoreview. Maps are available from Ed Stadelmann. There will be a snack before Dean McFarland's presentation. You should be there at 6 p.m. for socializing & snacks. The seminar starts as usual at 7 p.m. Please sign up on the sheet on the bulletin board behind the grad p.o. boxes - no later than TODAY!

& & & &

GRADUATE SCHOOL has announced the continuation of its Tuition Scholarship program for 1985-86. These 1-quarter partial or full tuition waivers are 1 of a number of financial resources available through the Graduate School to help students offset the cost of graduate education. For more information see the green announcement on the grad student bulletin board.

& & & &

HORT CLUB is having a pre-sale for the department today from 3:30-5:30 p.m. in front of the plastic greenhouse. Plants for sale will include student-grown geraniums, vegetables, annuals & mums. We'll also have perennials from Pete Ascher. And, please don't forget to tell your friends our sale begins May 15th, in front of the Student Center.

& & & &

NEEDED: Names of members & chapter name for all PAX affiliate members (i.e., if you belong to PAX via a different university). Drop a note in my mailbox. Thanks. K. Louis

& & & &

COMMUNICATION is a skill, in which we should qualify ourselves constantly. It is a precious skill, which easily fades away if not fostered. Indifference is the great enemy. J.C. Kersten, SUD

& & & &

STILL MISSING - A complete literature file on Forsythia. Return to H.F. Wilkins

& & & &

CONGRATULATIONS to Bridget Ruummele who has been selected to receive an Alexander P. & Lydia Anderson Fellowship. The Fellowship is awarded in recognition of her well-defined proposal as well as her excellent academic record.

& & & &

AUGUST 11-20, 1986 have been selected for the 22nd International Horticultural Congress, University of California, Davis. The technical program will include concurrent sessions for oral & poster presentations, symposia, workshops & business meetings of ISHS sections, commission & working groups. Submission form due by 9/1/85 must include the title & a brief description of the contributed paper. Abstract deadline is 2/1/86. More details are available from: Carolyn Norlyn, XXIInd International Hort Congress, Campus Events & Information Office, University of California, Davis, CA 95616.

& & & &

SMALL TREES FOR MINNESOTA GARDENS, Mervin Eisel, instructor. Sources of unusual beauty & interest, small trees can be prized gems in the home landscape. Participants in this field class at the arb will see some trees featured for their attractive flowers, showy fruits or branching habits or bark texture. Wednesday, May 15, 1-3 p.m., \$4 members, \$6 non-members.

\$\$\$ \$ \$

IF YOU BELIEVE in horseshoes as a good luck omen, be sure to hang them prongs up, otherwise, the good luck spills out.

& & & &

A YELLOW notebook containing the minutes of the IAFHE Civil Service Consultative Committee meetings has been established & is located in 305 AlderH. Anyone interested in reading these minutes is welcome to.

& & & &

A CONTEST will be held for the "Best Design" in repainting the 3 new pick-up trucks. The best 3 entries will be selected. Please specify materials as well as design, such as 1) bristle brush, 2) spray can, 3) roller, 4) palm, etc. For authenticity all entries must be received by U.S. mail at the department & postmarked not later than June 1, 1985.

& & & &

DR. PHILLIP COFFMAN, Dean, College of Fine Arts, Duluth, wants to meet with anyone interested in knowing more about the Glensheen Mansion. He'll be here at 2 p.m. on Wednesday, the 15, in 394 AlderH. Plan to attend.

& & & &

VICTORY AT LAST! The Hort Horrors triumphed 17-10 in their final regular season softball game. The Horrors leaped out to an early lead & held their opponents with 5 strike-outs (we won't mention the 7th inning bowling efforts by pitcher Bridget Ruummele). Super fielding & strong

!! OVER - OVER - OVER !!

defense was provided by infielders Todd Perkins, Paul Read, Carol Wylie, Paul Birnberg, Roger Meissner, & Jeff Schussler. Chipper Quisling, Sue Stombaugh & John Pignato covered the outfield. Everyone contributed well to the offense. The 1st playoff game is next Tuesday.

& & & &

HEAR YE -- HEAR YE!! Spring Picnic - no comments have been directed toward Kathy Lloyd, John Carter or Chad Finn about the picnic which means only 1 thing: It's a great idea & every single person will be there. Great!! Sign up lists should be up Monday. Any comments, complaints or suggestions -- see one of the above.

& & & &

THANKS to most of you for handing in your schedules. It sure makes the phone work easier & more efficient. Kathy Lloyd. P.S. It really helps to tell me when you've had a change in your schedule.

& & & &



L-C S N X-T-C.

AN INVITATION - Have you ever been curious about visiting an artist's studio? Well, here's your chance. Angie Klidzejs has been invited to open her studio to the public on Saturday, May 18th, as part of the Walker Art Center's Open Studio Day tour. The studio's location is: DADA, 528 Rossmor Building, 10th & Robert (entrance on 10th Street), St. Paul. Feel free to drop in anytime between 11 a.m. & 4 p.m. on the 18th. If you would also like to visit the other 13 artists' studios in downtown St. Paul & Minneapolis which are part of the tour, you should register through the Walker; shuttle busses, brochures, & a reception will be provided (\$5 fee). For further information contact the Walker Art Center at 375-7600

& & & &

Sang one organic gardener to another on an early spring morning, "This is the Dawning of the Age of Asparagus".

& & & &

FRIDAY 4 P.M. SEMINAR - (Today) - Discussion Topic: Pollen & Allergies (bring your kleenexes).

& & & &

HAVE A GOOD WEEK!!

TWIG-BENDER

Vol. 5, No. 63 - May 17, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MAY 20-24

- MON - Monday Evening Discussion - "Compatibility/Incompatibility in Poa sp." - by Bridget Ruemmele. 7 p.m., Fireplace Room, McNeal Hall. After-session at Peter Veiguth's, 2072 Como Avenue, St. Paul
- TUE - Departmental Coffee - 9:30 a.m., 394 AlderH. Treats this week prepared by Max Martin & Ruth Harter
- WED - Floriculture Seminar - Ericaceous Plants & Dormancy - B. Corr & Panel. 10 a.m., 398 AlderH
- Winning Grants - Grantsmanship Bag Lunch Seminar - 108 Student Center. Bring your lunch, coffee provided
 - Departmental Seminar - "Flower Bud Development & Cold Hardiness of Strawberry Cultivars" - by Brona Harrison. 415 AlderH, 4 p.m. Refreshments at 3:45
- FRI - Plant Hardiness Discussion - Water Relations of Cold Acclimating Spinach" - by Anne Fennell. 12 noon, 398 AlderH

AZALEAS & OTHER FLOWERING SHRUBS - Mervin Eisel, instructor. In this field class at the arb, students will learn about site selection for & culture of both common & unusual flowering shrubs, including many varieties of lilacs, magnolias, azaleas, abelophyllum & potentillas. Several shrubs discussed will be in full bloom at this time. 1-3 p.m., Wednesday, May 22 \$4 members - \$6 non-members

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HELP!! Industrious, hard-working, capable college freshman (Patricia White) seeking summer employment in order to become a college sophomore. Please contact Don White if you have work for Tricia. Thanks.

§ § § § §

PUBLICATIONS: G.R. Kepner & Ed. J. Stadelmann 1984: Osmotic Investigations -

Studies on Cell Mechanics. Translation of "Osmotische Untersuchungen - Studien zur Zellmechanik" by W. Pfeffer, Leipzig 1877. Reihnold & VanNostrand. 267 p.

§ § § § §

CONGRATULATIONS are in order for the following undergrads who are on the Winter Quarter 1985 Dean's List:

Horticulture - Scott M. Aker, Peter M. Bierman, Alex R. Ellram, Gregory A. Koob, David J. Larson, John M. McCarthy, Annette L. Odren, Kirk W. Pomper, Dennis R. Thompson, Mary J. Wolff & Brian R. Zimmerman.

Landscape Architecture - Randall L. Goertzen, Margaret L. Margosian & Paul W. Miller.

§ § § § §

TAPE DISPENSER - If you see the large tape dispenser that belongs to the ICL lab (277 AlderH), please return it. It can be recognized by having 1 roll of brightly colored tape (orange, yellow or green). Thanks.

§ § § § §

FACULTY & STAFF are invited to a Welcome Reception for Ken Keller & Bonita Sindellr, our new President & President's Spouse, Wednesday, May 29, McNeal Hall Lobby. If you would like to attend, please RSVP to Annette at 3-0924 by May 20.

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SURPLUS ONIONS from harvest 1984, good & firm, are free for the taking, room 218. Bags are provided. Please come & serve yourself!

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"We have not inherited the earth from our parents, we have borrowed it from our children." -- World Conservation Strategy

§ § § § §

MINNESOTA FOOTBALL - First pool season ticket applications are due May 30/31. If you're interested in going in as a group, see Chad Finn or Cyndy Fellman. It's going to be a great home season - Ohio State, Wichita State, Michigan, Montana, Wisconsin & most importantly Purdue!! 6 games - \$35.

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!! OVER - OVER - OVER !!

CONGRATULATIONS to Ben Bergman who is 1 of 20 applicants (out of lots throughout the U.S.) accepted for the Summer 1985 Tropical Agricultural Ecology Program in Costa Rica. Ben will be leaving July 1 & returning September 1, he has promised a seminar September 2.

§ § § § §

DECENT WEATHER & FORTUNE (skill, actually) strike again!! The "gnat-ily" attired Hort Horrors softball team whipped the batter(s) off the Baker's Dozen while rolling to an 11-3 playoff victory. The total team effort included Carol Wylie's completion of a double play by herself; Jeff Schussler & Chipper Perkins' dazzling outfield snatches; superior infielding by Roger Meissner, John Pignato, & Todd Perkins; & effortless pitching by ace Kevin Niemi. Bridget Ruemmele & Sue Stombaugh guarded relatively quiet home plate & right field, respectively. Everyone contributed to the smashing offense. Kevin backed up his pitching with 2 home runs, while Roger scorched the 3rd base line with searing drives. John, Todd & Jeff kept the outfielders puffing with long pokes. The strong hitting of all the women showed the Baker's Dozen that the Hort Horrors definitely have no cream puffs. The next play-off game is Tuesday. Watch for details soon!!

§ § § § §

THE GREENHOUSE is once again beginning to appear neglected. Please be sure to clean up your messes as soon as you make them. Thanks a lot.

§ § § § §

SHARED HOUSING - Available August 1 or before if needed. Male/female, non-smoker. Rent is \$237.50 & deposit of \$75. Utilities paid, electric not. Air conditioned, balcony, security building. Contact: Theresa Gruber, 642-1330 (home) or 373-0815 (office, agonomy).

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DON'T FORGET about your invitation to visit Angie's studio tomorrow. Her studio is part of the Walker Art Center's Open Studio Day tour. Feel free to drop in anytime from 11 a.m. to 4 p.m.

§ § § § §

MR. PAUL LASAKA from Zambia, Africa, will be presenting a seminar, "The Role of American Educated People in the Development of Their Countries," on Friday, May 24, at 10 a.m. in 110 Student Center. Mr. Lusaka is here to receive the Regent's Citation for Distinguished Service, & will be spending Friday morning on the St. Paul campus. Laura has a copy of Mr. Lusaka's curriculum vitae if you wish to see it before you attend the seminar. All faculty, staff & students are invited to attend.

§ § § § §

PICNIC UPDATE - The departmental picnic is planned for May 31, weather permitting, Hidden Falls, East River Road. Good food, RELAXED colleagues, nice kids, good weather, good wine, beer, & maybe some pop, some mild exercise, & the beautiful Mississippi - what could be better for a hort picnic?!?!

Handmade ice cream & good home cookin', a grill with brats & such, what can we say?!? Please come, bring your kids & spouse/friend, associate(s)/friend(s), & lets all have a relaxin' time on the old muddy. (Anyone got a banjo?)

Sign-up sheet is on the grad bulletin board for you to sign & let everyone know what you are bringing for the picnic. If you can't bring something or help let Chad know, we really want everyone to attend, after all - this is the last departmental affair that this year's social committee is planning. Let's make it a grand time & a fun picnic. Thanks!

Does anyone have a pontoon boat for use on the river, how about canoe races, inner tubes??

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HAVE A GOOD WEEK!

TWIG-BENDER

Vol. 5, No. 64 - May 24, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MAY 27-31

- MON - Memorial Holiday Observed - Enjoy!!
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. Treaters this week are Kathy Lloyd, Mary Hunsperger & Martha Piechowski
- WED - Floriculture Seminar - Plants & Pigments" - Neil Anderson & Panel. 10 a.m., 398 AlderH
- Winning Grants - Grantsmanship Bag Lunch Seminar - 202 Student Center, 12 noon. Bring your lunch, coffee provided
 - Departmental Seminar - "An analysis of techniques for studying flower color inheritance in Chrysanthemum morifolium Ramat" - Neil O. Anderson. 4 p.m., 415 AlderH, refreshments at 3:45
- FRI - Departmental Seminar - Free-form discussion to establish objectives for the departmental retreat - Hamilton McCubbin, facilitator. 3:00-4:45 p.m., 415 AlderH.
- Departmental Picnic, Hidden Falls Park. 5:00 p.m.

SPRING QUARTER 1985 GRADUATING SENIORS include: Peter Bierman, Patricia Fishel, Paul Gehrke, James Herzon, Mary Jackson, Craig Morris, Randall Pfarr, Denise Raeker, Marc Schumacher, Debra Schwarze & Steve Smith -- Congratulations. The dinner honoring these students is planned for Tuesday, May 28 at 6 p.m. All graduating seniors & their advisors are invited to attend. The dinner will be at Emily Hoover's & Jim Luby's home at 1416 Pascal Avenue.

§ § § § §

ONLY 1 WEEK left before the application (postmarked May 31) deadline for the Garden Writers Association of America Annual Student Scholarship Award. If you are interested, see Laura.

§ § § § §

PLAN TO ATTEND the Friday departmental seminar. This is in preparation for our departmental retreat scheduled for June 10 & 11. The seminar will be a free-form discussion to establish objectives for the retreat.

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CONGRATULATIONS to Dr. Wesley Hackett who has recently been elected chair of the departmental grievance committee.

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UNDERGRADUATE AFFAIRS committee meeting will begin at 8:00 a.m. this Wednesday (5/29) instead of the usual 8:30.

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On May 28, 1959, Able & Baker, the monkeys sent into space - returned from their flight.

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WORK-STUDY NEWS - This is a reminder that University regulations prohibit work-study students from working on University holidays; these students should, therefore, rest & relax on Memorial Day (May 27). Also, current work-study awards to students will terminate on June 15. This funding does not carry over into the new academic year. Students who have applied for summer work-study funding should let Angie know about their awards as soon as possible.

§ § § § §

FOOTBALL TICKETS - The deadline for football season tickets is Friday, May 31. If you're interested in tickets get your money to me by Thursday, the 30th. The tickets are \$35 for 7 games. Thanks, Chad.

§ § § § §

THE COLLEGE OF AGRICULTURE Faculty Assembly on 5/23 featured 1 member from the department's faculty. Is this your statement on the priority placed on faculty governance?
JFB

§ § § § §

!! OVER - OVER - OVER !!

THE BOARD OF REGENTS invites applications for the position of Secretary of the Board of Regents which includes the responsibilities of the corporate secretary of the Regents of the University of Minnesota. Application deadline is June 12, 1985. A brief description of the duties of the position is available from D. Wilson, 220 Morrill Hall.

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The Golden Gate Bridge in San Francisco was officially opened to traffic on May 28, 1937.

§ § § § §

A PLEA FROM THE BOOKKEEPER - Please turn in students' time cards on their respective due dates. If you're not sure when these are, there's a chart posted in the main lobby; or, you can obtain a list of your very own from Angie.

§ § § § §

PICNIC TIME - Fire up for the departmental picnic 1 week from today on Friday, May 31. We hope everyone can make it to this pleasant setting on the banks of the Mississippi. Maps to Hidden Falls Park will be up this week. It's off River Road, about a mile past Ford Parkway. Please sign-up as soon as you can so Kathy & I can make plans for purchasing supplies. Make sure you bring any toys you want to play with (i.e., frisbees, bucci balls, soccer balls, etc.). Any questions or comments see Chad. SIGN UP NOW!!

§ § § § §

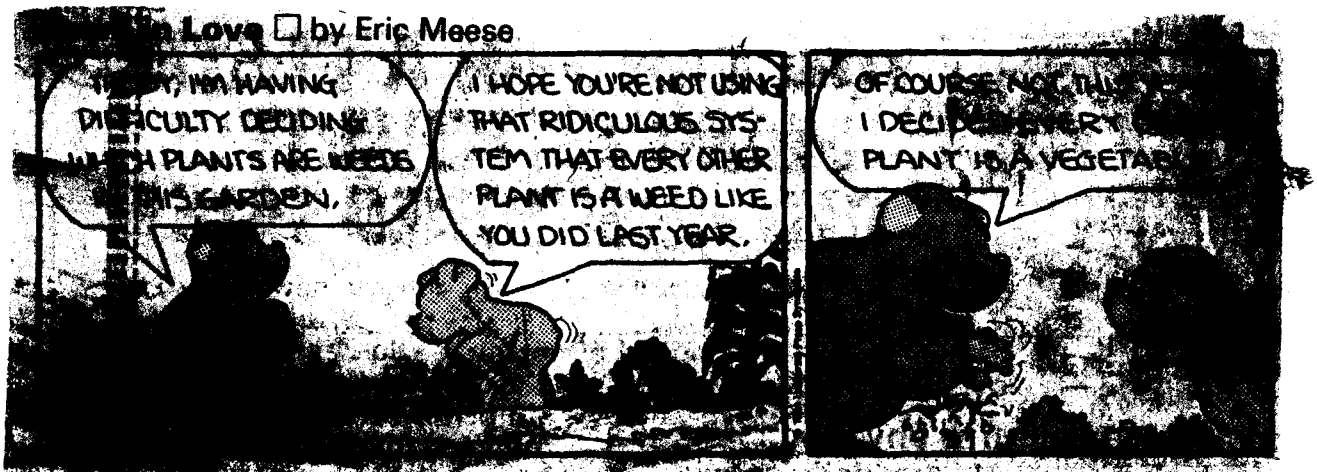
3 IN A ROW!!! Nearly errorless softball allowed the Hort Horrors to triumph 9-4 over their fancy-stepping 2nd playoff opponents (Danny Terio fans -- of "Dance Fever" fame). Kevin Niemi's pitching prevented most batters from hitting long drives. Jeff Schussler, Chipper Perkins, Roger Meissner, Sue Stombaugh, & Paul Birnberg kept all outfield shots from slipping past them. Todd Perkins, Bridget Ruummele, John Pignato, Theresa Kowak, & Barb Fick maintained a tight infield through which few hits escaped. After the team scored 1 or 2 runs in each of the first few innings, Roger & Todd contributed homeruns in the top of the 7th inning to extend a 5-2 lead by 4 additional runs. The Horrors defense allowed only 2 runs in the bottom of the same inning before catching the final out. For the latest in designer fashions, which also repel gnats, check with Barb, Chipper or Theresa. The Hort Horrors vie for the Tuesday night class C-4 championship next week on Bierman Field at 8 p.m., Tuesday.

§ § § § §

A HOLIDAY REMINDER - The first automobile accident occurred on May 30, 1896, when one of the new-fangled motorcars hit a bicyclist. Be sure to drive carefully this holiday weekend!!

§ § § § §

Have a Good Week!!



TWIG-BENDER

Vol 5, No. 65 - May 31, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 3-7

- MON - Monday Night Discussion - "Passive Solute Permeability Measured with Radiotracers" - by Al Ducommun. 7 p.m., Fireplace Room, McNeal Hall. After-Session at J.F. Bartz's, 1975 Autumn, Falcon Heights
- TUE - Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Ice Cream Social - 1:30 p.m., 394 AlderH.
- WED - Floriculture Seminar - Plants & Pigments - N. Anderson & Panel. 10 a.m., 398 AlderH
- Winning Grants - Grantsmanship Bag Lunch Seminar 12 noon, 202 Student Center. Bring your lunch - coffee provided
- Departmental Seminar - "Inheritance of & Relationships Between Bloom Date, Ripening Date, Fruit Filling Period & Fruit Weight in Vaccinium Species" - by Chad Finn, 4 p.m., 415 AlderH. Refreshments at 3:45

COLLEAGUE TO RETIRE - Dr. Rouse Farnham, a member of the Department of Soil Science (DSS) since 1950, will retire on June 30, 1985. Dr. Farnham's colleagues in DSS cordially invite you to a reception honoring him on the occasion of his retirement. The reception will be Tuesday, June 4, in the Cherrywood Room (Dining Center), St. Paul campus, between 3 & 5 p.m.

§ § § § §

AWARDED to Emily Hoover & Peter Ascher \$50,000, for the 2-year research project "Regulation of Interspecific Seed Failure in Phaseolus", by the USDA Competitive Grants Program.

§ § § § §

GRADUATE STUDENTS are reminded that Monday is the deadline for the Outstanding Graduate Student Awards.

§ § § § §

On June 6, 1927, the 1st airmail was delivered across the Atlantic Ocean, from New York to Eisleben, Germany. While the 2-man crew was

refueling the plane in Germany, they were mistaken for members of a band of kidnappers & arrested.

§ § § § §

FACULTY - Because the end of the fiscal year is rapidly approaching, it is necessary to stop spending on all 0302 accounts. Please inform your students & employees that these budgets are no longer available. If for some reason you need to use an 0302 account (such as no other source of funds), please see Pat to make special arrangements.

§ § § § §

CONGRATULATIONS to Joan Nassauer for receiving the American Society for Landscape Architects National Merit Award for Research for the article which was published in the Journal of Environmental Management entitled "Visual Preference for a Coastal Landscape Including Oil & Gas Development".

§ § § § §

Twig has just learned that John Dole has leaf edge burn. Way to go John!!!

§ § § § §

WHAT A DEAL!! 1971 Dodge Dart (root beer color) for sale - \$200. This car will not only be transportation, but is very friendly & full of character. The slant 6 engine doesn't want to be retired. See M. Hosier, 435 AlderH.

§ § § § §

WHAT SITS at the bottom of the ocean & quakes?
-- A nervous wreck, of course!

§ § § § §

IF ANYONE receives the advanced job listings from ASHS, please contact Bob Geneve or Kevin Grueber. Thanks

§ § § § §

OUR NEWEST Master of Science is Lynn Steiner. Lynn passed her exam on Wednesday, May 29 - Congratulations.

§ § § § §

BERRY GROWERS TOUR on Saturday, June 1, 9:30-11:30 a.m. Interested people should check with Emily Hoover.

§ § § § §

!! OVER - OVER - OVER !!

CONGRATULATIONS to Kevin Fdberg who was elected to his 3rd 3-year term on the White Bear Lake School Board. He beat his next closest opponent by a whopping 476 votes. Good job Kevin!!

§ § § § §

PICNIC - Someone doesn't like us upstairs. Ice for the Christmas party & no snow for the sleigh ride!! The weather report for today is up in the air. We'll have notes up around 3 if there are any problems.

If it's a go, remember to bring some meat on out to Lake Johanna (maps on the bulletin board). Some of us will be there about 3 to reserve some tables. If you'd like to help us get set up come out early, otherwise we'll see you after the meeting. Any questions see K. Lloyd or me (C. Finn), or refer to the newsletter we sent out earlier this week. Everyone is also required to say 1 prayer for dry weather. Thanks.

§ § § § §

CLASS C-4 TUESDAY CHAMPIONS!! A fast-paced offense offset defensive miscalculations (a.k.a. errors) as the Hort Horrors softball team triumphed 13-11 in their 3rd playoff contest. Kevin Niemi supplemented his superb pitching with 2 home runs in the same inning. Fancy footwork enabled Paul Birnberg to score from 2nd base in a style described as "camouflage" running. Leadoff batters Chipper Perkins & Theresa Nowak put themselves in good scoring position with solid hitting. Roger Meissner, Sue Stombaugh, Jeff Schussler, Paul Read, Todd Perkins, John Pignato, Barb Fick & Bridget Ruemmele also contributed toward the scoring efforts. On defense, Theresa at 3rd teamed with Paul R. at 1st to prevent 2 powerful grounders in a row from becoming base hits. Roger, Jeff & Paul B. snagged spectacular catches to curb the opponents' batting performance. The Horrors now head into the All-University playoffs. Information will be posted on the main entrances to Alderman. Cheering sections are welcome.

§ § § § §

The U.S.S. Ranger was delivered to the U.S. Navy on June 4, 1934. It was the 1st aircraft carrier that was wholly designed & built to carry fighter planes.

§ § § § §

A FEW WEEKS ago an old centrifuge was brought into room 218 to be picked up by Inventory. Will the project leader from the lab the centrifuge came contact Ed Stadelmann -- He needs a budget number! Thanks.

§ § § § §

WILL THE OWNER(S) of the the journals in the hall by the p.o. boxes please let Laura know if we can donate them all to the Moroccan project? Thanks.

§ § § § §

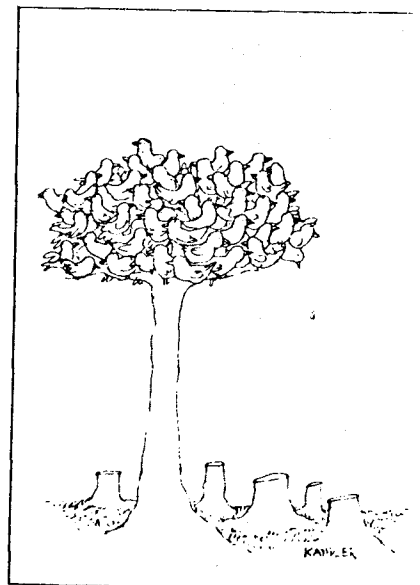
PARTY - For those of you who know my roommate Kenny Pagano, or even if you don't, we're celebrating his: graduation, finished thesis, leaving Minnesota, & wedding tonight after the picnic, at about 9-9:30, come on by (2415 Carter Avenue) to send Kenny off with a bang. Chad Finn.

§ § § § §

INSTEAD OF THE usual Tuesday departmental coffee, this week we will be having an ice cream social. Plan on joining us at 1:30 in 394 on Tuesday. Strawberries & raspberries will be provided, if you would like another kind of topping feel free to bring it.

§ § § § §

Have A Good Week!!



TWIG-BENDER

Vol. 5, No. 66 - June 7, 1985
305 AldH, St. Paul, MN 55108

Department of Horticultural Science &
Landscape Architecture
Editor: Ruth Harter

THIS WEEK - JUNE 10-14

MON - Dept. Retreat begins at
4:00 p.m. at the Wilder Forest
Retreat.

7:00 p.m. - The Minneapolis
Chamber Symphony will open the
summer season at the Arboretum.
Bring a picnic lunch and enjoy!
No charge for Arboretum members.

TUE - Dept. Retreat continues
till approximately 4:30 p.m.

WED - Movie [see note] at 11:30
a.m. in Rm. 398, AldH.

DEPARTMENTAL RETREAT - If any-
one needs to obtain a map to the
Wilder Forest Retreat Martha has
them on her desk. For those who
haven't paid, please see Martha
ASAP! You will then be issued
your bear and mosquito repellent.
Hope the weather is sunny!

FLOWER SEMINAR - Many thanks to
all the participants who aided in
the Floriculture Discussion Group -
K. Grueber, J. Dole, T. Teynor,
P. Ascher, B. Fick, B. Markhart,
B. Corr, I. Wallerstein, Sung Lee,
J. Murray, K. Lewis & N. Anderson.

JOB SOUGHT - Experienced green-
house worker seeking summer employ-

ment. Hardworker w/flexible
hrs. Call between 8 a.m. &
9 p.m. and ask for Karen Flaten.

PICNIC THANKS - Last week's picnic
was great! The weather even coop-
erated and with the help of several
people I think it went very well.
I'd like to thank: Kathy Lloyd
(she's so SUPER about these things,
I think she walks on water), Bud
Markhart, Marna Ericson, Wes Hack-
ett for their sail boards & boats.
Everyone who set up and cleaned up.
And, of course, the Murray's,
Geneve's and Ericson's for the fun
time at the after-picnic-party.
The picnic turned out to be quite a
family affair. I hope the social
committee folks are as lucky next
year. Make sure you thank those
who helped out - especially Kathy
Lloyd for all she did. Thanks, Chad

MOVIE-MOVIE-MOVIE - On Wednesday,
June 12, at 11:30 a.m. in Rm. 398
AldH, the film "Organelles in Living
Plant Cells" will be shown for Plant
Pathology Class 5167. Anyone inter-
ested in the movements and changes
occurring during the normal life in
a plant cell is welcome to attend.

CURRENT PUBLICATION - Ok Young Lee-
Stadelmann, Insun Chung and Eduard
J. Stadelmann. 1985. Plasmolysis
of Glycine max mesophyll cells: The

use of octylguanidine and its implications in protoplast isolation. Plant Science 38, 1-7.

ALDERMAN - HALL OF CHAMPIONS!

Two stunning victories this week enabled the Hort Horrors to triumph as Overall Champions of Division C-4. The Horrors trampled the EWOKS [Wed. champs] 8-2 on Tuesday and overcame a 9-0 deficit on Wednesday 13-12 victory over the Thursday champs, the Highballers. Keen pitching by Kevin [Cool Hand/Head] Niemi, as well as heads-up plays were the keys to Tuesday's victory. Jeff Schussler nailed a runner at home w/ a perfect throw from the outfield to Kevin. Theresa Nowak tagged out a runner on a turnaround toss by Kevin. Chipper Perkins and Roger Meissner snagged pivotal catches to stop the gremlin invasion. Solid drives by Sue, Theresa, Chipper, Kevin, Roger and Jeff led the offensive attack. Filling out team efforts were Barb Fick, Todd Perkins, John Pignato, and Bridget Ruemmele. Wednesday's thriller kept everyone [even the spectators] on their toes throughout the game. After falling behind 9-0 in the 1st half of the 1st inning, the Horror's determination kept them driving toward their goal: the C-4 championship and T-shirts. Paul Read snatched a certain base hit to thwart one attack. Chipper made out-fielding look easy as she completed one catch lying down. Roger's fast tracks prevented a few flys from dropping in [we had offered him insect repellent]. John, Jeff, and Sue also covered the outfield well, considering the opponent's hitting power. Todd kept tight reign over 1st base, while George Smith, Theresa, and Barb guarded 2nd, 3rd, and home, respectively. Kevin's pitching [including 3 strikeouts] shut down the Highballers' offense. The Horrors'

offensive attack was methodical, adding 1 to 3 runs [including a home run by Kevin] in 4 of the first 6 innings to trail 12-9 going into the bottom of the 7th inning. Chipper led off with a single, reaching 2nd on an overthrow. Jeff ["The Intimidator"] captured his 2nd walk of the game. Theresa slugged another single to bring in Chipper, while Roger doubled to drive in Jeff and Theresa. After intentionally walking Kevin, George also took an intentional walk [a little known ASA rule] to load the bases. "Casey" Perkins stepped up, but unlike his predecessor, belted a sacrifice fly, permitting Roger to score the winning run and bring on pandemonium. CONGRATULATIONS Again!

STRAWBERRY PANEL - Shirley Munson needs 2 more people to be on a fresh strawberry panel starting the end of next week. Will probably last about 2 weeks. Sign up in Rm. 369. Thanks!

THESIS PROJECTS PRESENTATION - On June 12 and 13 the Senior Landscape Architecture students will present the results of their quarter-long efforts with a thesis project. The faculty and students cordially invite you to the North Hall Theatre to view exhibition.

THE HEALING GARDEN - However torn by tragedy, Or near to breaking it may be, My heart can never harden As long as I have eyes to see -- And windows toward the garden.



TWIG-BENDER

Vol. 5, No. 67 - June 14, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 17-21

MON- Strawberry Picking - after work at the HRC.

!!URGENT!! The electricity will be "interrupted" on Tuesday & Wednesday (6/17 & 18) because physical plant will be changing the transformers in our building. We will have power from a generator, but using a computer may be risky. Please stop by Laura's desk IMMEDIATELY with your concerns.

CONGRATULATIONS to Cyndy Fellman & Joan Conrod who were each awarded \$1000 fellowships by the American Society for Enology & Viticulture - Eastern Section.

REPORT OF THE AD HOC RETREAT Committee on Horticultural Philosophy -

Proposals -- Be it Resolved that:

1. Department retreats (subsequently to be called "Advances") will be held more frequently: -- next "Advance" to be held June 17 & 18, 1985, at Wilder Forest. Facilitator* possibilities [in lieu of Ham McCubbin] -- Khomeini - "The politics of conflict in today's horticultural world"; Chad Finn - "Social Welfare in HortSci & LA"; Dave Davis - "The Greasy Fulcrum Forum"

2. All PhD oral prelim, MS final & PhD final exams shall be celebrated widely - preferably by a champagne party at the AMFAC Hotel, the advisor's home, or failing that a beer bust at Mannings, or the Bartz/Helleman Valley of Green Sprouts.

3. Fines be levied on any faculty member failing to attend coffee breaks at least 3 times per week (2 excused absences per year for being "out of the country on business" [e.g., symposia in Bangladesh, guest conducting the Vienna Boys Choir or planting 'Erik' in the RRV]. Mandated by the authority vested in this Ad hoc Committee by the Wilder Forest Society of Druid Fluids.

*The chief administrative officer of the Department of Liquid Green Giants should provide copious quantities of "Export" quality, Green Deficiency Correction Fluid in order to sustain the thirst [oops -- we mean thirst].

Charles Goodyear patented vulcanized rubber on June 15, 1844.

THE WASECA FIELD DAY is scheduled for June 25. JFB will be going & would be pleased to fill the car with other faculty or grad students. Stop by his office if interested.

GRANTED - 'Use of Rejuvenation Techniques to Increase the Rootability of Developmentally Mature Clones of Tree Species' cooperative research project has been approved by BARD. Principal Investigator from this department is Dr. Wesley Hackett, he will be working with Professor A. Halevy from the Hebrew University, Jerusalem. Congratulations.

DEMONSTRATION - After a successful movie show on "Organelles in the Living Cell" [with large student attendance], it was suggested that we should look at the living cell & its organelles as it can be seen in an onion epidermis. This will be demonstrated on Wednesday, June 19, at 2p.m. in 220 AlderH. Everyone is welcome.

OUTSTANDING GRADUATE STUDENT AWARDS - The following students have been recognized as 'Very Outstanding' -- Peter Velguth, Mark Bennett & Bridget Ruemmele. The following students have been identified as 'Outstanding' - Barbara Liedl, Bob Geneve, Neil Anderson, Lawford Baxter, Chad Finn & Cyndy Fellman. Congratulations to all of you.

ANNOUNCING - Bob Geneve has passed his prelim orals & a critique with beer & pop, etc., will be held tonight at 5 p.m. at 984 Lydia Drive in Roseville. A map is posted on the grad student bulletin board.

!! OVER - OVER - OVER !!

IF YOU SHOULD RUN into Mark Brenner, Dick Widmer or Bob Mullin on Wednesday, June 19, be sure to wish them happy birthday.

THOUGHT FOR THE WEEK - An apology is a good way to have the last word.

ELECTION RESULTS - Director of Graduate Studies - M.L. Brenner; Policy & Review Council Representative - A.H. Markhart; & Graduate Studies Committee Member - H.F. Wilkins.

IF YOU HAPPEN to find a brown camera case with a Nikon camera & accessories, please return it to Mark Brenner. Thanks.

HOLIDAY SCHEDULE for FY 1985-86 - The following University holiday schedule has been approved for civil service staff: Independence Day - July 4; Labor Day - September 2; Thanksgiving Day - November 28 + floating holiday (FH) November 29; FH December 24, Christmas Day, December 25 + FH December 26; New Years Day, January 1; Martin Luther King's Birthday (FH) January 20; & Memorial Day, May 26, 1986.

STRAWBERRY PICKING SEASON is once again with us. The first picking session will be Monday after work. If you are interested in going along with the group, sign-up on the sheet that is posted on the projector cupboard in the main office.

!! Have a Good Week !!



'What do you mean I don't communicate? Didn't you get my memo?'

TWIG-BENDER

Vol. 5, No. 68 - June 21, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 24-28

- TUE - Crops & Soils Field Day, Southern Experiment Station, Waseca - 8:30 a.m. - 3:30 p.m.
- WED - Summer Crops & Soils Field Day - Southwest Experiment Station, Lamberton, 9 a.m. - 2 p.m.
- Nurserymen's Arboretum Day Conference, 9 a.m. - 4 p.m., Arboretum

WEDDING BELLS will be ringing tomorrow for Don White's daughter Lori & John Moriarty. Congratulations & best wishes for a long & happy marriage.

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ANONYMOUS CONTRIBUTION - Let us be the first to give a friendly sign, to nod first, smile first, speak first, and if such a thing is necessary, forgive first.

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THERE IS A new 'Mr. Coffee' pot, extra large in room 459. Is it yours?

§ § § § §

ONIONS - ONIONS - ONIONS -- A new shipment of good 1984 harvest onions arrived! They are free & will be ready for distribution after 3 p.m. today in room 220. Bags will be provided.

§ § § § §

TOE - A part of the foot used to find furniture in the dark.

§ § § § §

THE CURRENT EXTENSION BUDGET situation will affect vacant positions as follows: All searches started prior to June 10, 1985, will continue as planned; the search process for all other vacant positions will be delayed until 9/1/85, & considered for filling at that time. This will affect county, area & campus based academic positions, & all civil service & student positions as well.

§ § § § §

THOUGHT FOR THE WEEK -- Be yourself if you ever hope to be somebody.

§ § § § §

BAD NEWS, it is said, comes in 2s. Pain & suffering. Hungar & thirst. Fear & trembling. Parts & labor.

§ § § § §

PLEASE REMEMBER BUILDING SECURITY - We have had a rash of camera thefts recently. The items have been taken directly out of offices so be sure to lock your offices -- even if you are just across the hall, in the coffee room, lab, or just out for a sec.

§ § § § §

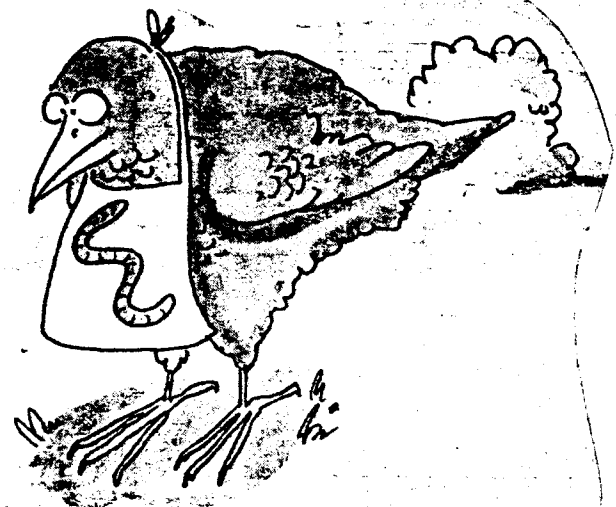
ON MAY 10, 1985 the Board of Regents approved the promotions of Dr. Bert T. Swanson to Full Professor & Dr. Albert H. Markhart to Associate Professor. Congratulations.

§ § § § §

STRAWBERRY & CHERRY PICKERS NEEDED for Monday, June 24 at the research center. Picking starts at 4:45 p.m. Sign up in the main office.

§ § § § §

! Have a Good Week !



11/1/85
Geo Allen

TWIG-BENDER

Vol. 5, No. 69 - June 28, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JULY 1-5

THU - Independence Day - University Holiday
FRI - Back to Work!!

FUNDED - "Selection criteria in germplasm improvement for heat tolerance in Phaseolus beans", for 3 years, by BARD/Israel. Principal investigators are Drs. D.W. Davis & P.H. Li. Congratulations.

* * * * *

PUBLICATION: Mary A. Hosier, Gro Flatebo, & Paul E. Read. 1985. "In vitro propagation of lingonberry". HortScience 20(3):364-365.

* * * * *

TO EASE THE PAIN of theft, a reminder: Be sure to have up-to-date records of serial numbers for all your project equipment. This is essential information for retrieval of stolen goods.

* * * * *

POSITION AVAILABLE: Postdoctoral position, genetics studies of aluminum resistance. Department of Viticulture & Enology, UC-Davis. PhD in genetics, plant breeding, plant physiology, botany or related field. Training & experience in plant genetics & mineral nutrition essential. Plant cell culture experience desired. See position announcement in the Job Book for more info.

* * * * *

THOUGHT FOR THE WEEK - Life is a grindstone, whether it grinds you down or polishes you up depends upon the kind of stuff you are made of.

* * * * *

FOUND - Slides on Kathy Lloyd's desk. If you are missing any, stop by her desk & check them out.

* * * * *

MEDICAL UPDATE - Surgery was performed on Jane McKinnon this past week & we are happy to report that she is up & around & doing "really well". She is at United Hospitals, 333 Smith Avenue N, St. Paul, 55102.

* * * * *

HORT SPORT REPORT - The sweet smell of success!! Despite a physiological deficiency (1/2 the team at plant phys meetings), 8 valiant HortHorrors launched a base-ic assault on the Son of Sulphide 10. The Horrors emerged victoriously 8-7 in their first summer league game. There were no mum bats as the team rose to the occasion to cyclamen (& women) around the horn plenty of times in point-settling sprees (we wouldn't teas-el or-chid yew, ether-el). Roger Meissner, George Smith, Chipper & Todd Perkins contributed crucial hits. On defense, Chipper, Paul Read, John Pignato & Barb Fick fox(ily) glove(d) key catches to cool down the Sulphide activity. Bridget Ruummele, the pitching lady, slipp(er)ed in a couple strike-outs along the way.

* * * * *

IN A RECENT survey by Ward Howell Int'l. Inc., 65% of surveyed executives said their companies "discovered" instances of resume inflation after hiring employees last year. There were misrepresentations of job qualifications (17%), salary history (9%) & educational credentials (7%).

* * * * *

ANOTHER ANONYMOUS CONTRIBUTOR SAYS - "Don't say it unless it improves on silence"

* * * * *

IF YOU ARE traveling about on Thursday be sure to drive carefully -- & enjoy your 4th of July holiday!

* * * * *

!! Have a Good Week !!



TWIG-BENDER

Vol 5, No. 71 - July 12, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JULY 15-19

WED - Crops & Soils Day - Crookston,
7:45-12:00.

THU - Visitors Day - Grand Rapids, 9 a.m. - 3
p.m.

ARBORETUM EVENTS - On Tuesday, the 16th,
the Stoney Lonesome Bluegrass Band will perform
an outdoor concert. Stoney Lonesome appears
regularly on "A Prairie Home Companion" & is
known across the country for its fine traditional
bluegrass sound. Picnicing will be allowed at the
concert site.

Also on the 16th Dr. Snyder will be conducting a
class on 'Ferns in the Garden.' 10 a.m. to noon,
\$5 for members, \$7.50 non-members.

§ § § § § § §

EFFECTIVE AUGUST 12, Dr. Dan Panshin will
assume his duties as Associate Director, Human
Resource Development. Dr. Panshin is a
nationally recognized leader in natural resources
& extension activities; was the nation's first
extension specialist in oceanography; has
designed & presented over 50 extension
workshops, conferences & courses; & has
published more than 30 extension & natural
resources articles.

§ § § § § § §

Everything has been thought of before -- the
difficulty is to think of it again!

§ § § § § § §

FOR THOSE WHO SIGNED-UP for the class B
written test on Monday, the car will be leaving
the greenhouse at 8 a.m.

§ § § § § § §

On July 20, 1969, U.S. astronaut Neil Armstrong
became the 1st person to walk on the moon.

§ § § § § § §

BAYOU ANOTHER TICKET & IDA GO ANY-
TIME . . . Could you have guessed who was the
very 1st on the dance floor at Queen Ida's
concert Monday night? As the sweat
commenced to roll, the spotlight shifted from the
agin' Cajun, stompin' Mississippi mud on the

Northrup rug, eg. Chad, Linda, Barb, Barbara,
Tim, Neil & Ruth, to center row 28, where 2
closet Creole cuties crunched crawfish. Alas,
Deb & Angie adhered firmly to the "glow
principle," based on which of the following Latin
anions: 1) Agricola puellam amat; 2) Vitam
nostram numquam mutarimus; 3) Sapientia et
veritas in stultis hominibus non muventur; or
4) Romani ipsi te non servavertunt? The correct
translations will possibly appear in the July 19
issue of the Twig.

§ § § § § § §

A PLEA FOR CONSIDERATION - After you have
used a vehicle, PLEASE return the keys to the
office. If you find that you need it for longer than
you originally planned, be sure you check the
calendar before just keeping it -- someone else
may be depending on you to bring it back.
Thanks.

§ § § § § § §

ANNUAL HORTICULTURE CLEAN 'EM UP SALE --
Due to excessive clutter & the arrival of a new
piece of equipment, changes are being made in
storage arrangements in room 201. The first part
of the cleanup has already occurred, this being
the removal, to the hallway, of equipment that:
1) has been stored for a period, or 2)
dysfunctional equipment. During the next week
please make a point to stop past the 2nd floor
hall & check for any equipment that may belong
to your project. If you wish to save these items I
will help you move it to your lab area. It is not
return to room 201. Any equipment left in the
hall by week after next will be scrapped after
property numbers are checked with Laura.
Thanks -- Dave Olson

§ § § § § § §

COMPUTER CENTER USERS -- As you walk past
all those boxes of computer paper in the hallway,
please pick one up & take it the lab. Thanks.

§ § § § § § §

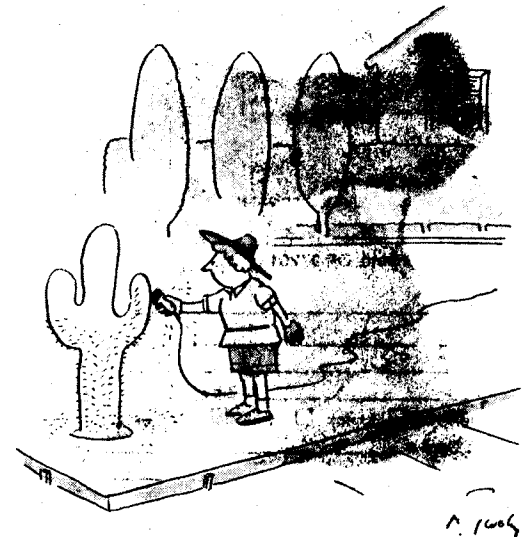
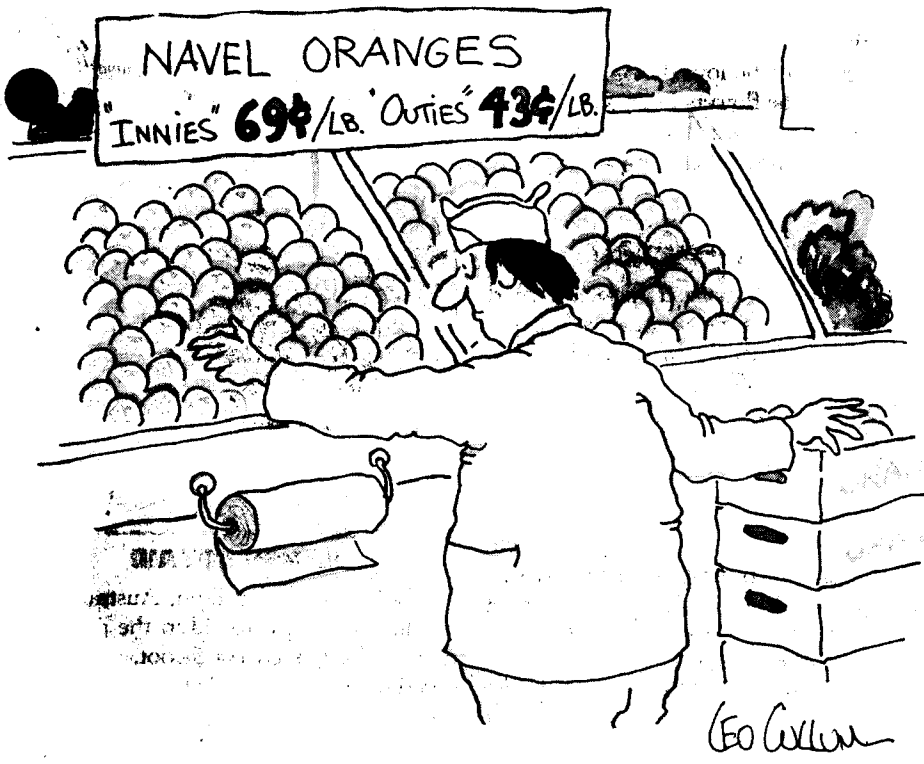
Have A Good Week



at 10 lbs./2 oz.! He joins sisters Ann and Rachel, and will undoubtedly be a horticulturist (or a wrestler, his dad says).

HOUSING NEEDED - Do you know of a small furnished home (2 or 3 bdrms.) to rent between 8/20/85 and 12/31/86? Should be convenient to the St. Paul Campus. If you know of something please call Sue in PolSci at 3-2651 between 8:00-4:30. Thanks.

BLUEBERRY PICKING - Blueberry picking next week July 13, at 9:00 a.m. in Becker, Minnesota. Look for sign-up lists. Need directions? Ask Chad, Jim, Max, Mary, Dave, etc.



TWIG-BENDER

Vol. 5, No. 72 - July 19, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JULY 22-26

MON - Dr. Pierre Galet, world authority on viticulture from France, & Ms Lucille Morten, viticulture consultant from West Virginia, will present a special seminar at 3 p.m. in 415 AlderH

REMINDER TO CIVIL SERVICE staff - please return your ballots for departmental committees. To date, only 2 have been returned & I know that we have more civil service employees than that. Thanks.

§ § § § §

CAR FOR SALE - 1976 Malibu, only in Minnesota for 1 year. Call I. Wallerstein at 376-2533.

§ § § § §

POLICY ON MATCHING GIFTS - The University has approved a policy for designating unrestricted corporate matching gifts. Effective 7/1/85, unrestricted matching gifts flowing to the U will be allocated on the same basis as the gifts initiating the match. Some corporate guidelines require that the matching gifts follow the donor's gift designation while others designate the matching gift to the institution on an unrestricted basis regardless of the restriction on the donor's gift. The U has adopted the policy to allocate unrestricted corporate matching gifts. If you have questions regarding this, call Steve Roszell, Assoc. VP, Alumni Relations & Development at 3-9934.

§ § § § §

DOES ANYONE have equipment for paper electrophoresis that the ICL lab can borrow temporarily? We have the power source but need the rectangular part of the apparatus that the paper is placed on & which holds the buffer. Please see Margaret Hibberd or leave a note in her p.o. box. thanks.

§ § § § §

ENVIRONMENTAL PHYSIOLOGY Journal Club - Tuesday, noon, room 108 Student Center. Paper for discussion: Low, et al. 1984. Search for an endotherm in chloroplast lamellar membranes associated with chilling-inhibition of photosynthesis. The paper is on display in the hardiness lab. If you have any questions -- see Bud Markhart.

§ § § § §

ARBORETUM COURSE - Judging Flowers & Vegetables, Orrin Turnquist, instructor -- Tuesday, July 23. This class is intended for 4-H leaders & beginners interested in showing vegetables, fruits & flowers. Participants will learn how to exhibit horticultural specimens & floral arrangements. Morning session will deal with cut flowers & arrangements; afternoon session, vegetables & fruit. At the end of each session participants will judge flower & vegetable exhibits. 9:30 a.m. to noon & 1-3. No charge, but advance registration required. Call the arb to register.

§ § § § §

RESEARCH PROPOSALS on Pesticide Impact Assessment for FY 1986 guidelines are now at the Experiment Station. Research priorities are: 1) Pesticide Application Technology; 2) Environmental Fate/Impact of Pesticides; 3) Factors Involving Reduced Efficacy of Pesticides; 4) Benefits from Pesticide Use; 5) Exposure; & 6) Other topics of PIAP scope & interest covered vital to MN. The deadline is October 1, 1985. If you are interested, let Laura Kalisch know.

§ § § § §

RIVERFEST TICKETS - If anyone is interested in buying discount tickets to RiverFest, I have 3 to sell. The circus is wonderful! See Martha in 305 AlderH.

§ § § § §

WHAT DO Sonja Maki & Chad Finn have in common? Well, both of them passed their Master's exams this week & both are pursuing their PhD degrees in this department. Congratulations & keep up the good work.

§ § § § §

The world record for consecutive rides on a roller coaster is 303 -- set by Paul O. Anderson of Omaha, Neb., from 9:30 a.m. on July 28, 1962 to 2:15 a.m. the next day. The record was set at Playland Park, Council Bluffs, Iowa.

§ § § § §

!! OVER - OVER - OVER !!

THIS IS IT -- THE TIME HAS COME!! As well founded rumors of Bob Geneve's leaving here (yes, he finally passed his orals) have started, Patty Geneve decided it was time to celebrate. As we all know that despite Bob, Patty doesn't do things in a low key manner. With this in mind, it's time to announce "Geneve's Kentucky Bluegrass Party". We are all invited to the Geneve's Saturday, August 24, at 3 p.m. I know it's a bit early to start final plans, but with everyone's helter skelter schedule we want you to put this on your calendar now. There will be live music, beer, dancing, etc. All that we ask is that you bring a pot luch dish & beverage & RSVP to Patty or Bob. Mark your calendar now & watch for further info.

§ § § § §

FOR SONJA & CHAD

SNATCHED FROM THE JAWS OF VICTORY-- The Hort Horrors suffered 2 defeats in a row: 20-12 & 15-11. In the former, Roger Meissner, Theresa Nowak, Chipper & Todd Perkins, John Pignato, Paul Read, Bridget Ruummele, George Smith, Susan Stombaugh & Carol Wylie attempted to stave off being fried by the barreling Beer Batters, who poured ahead with well-placed hits. All the afore mentioned players, as well as Paul Birnberg, Barb Fick, Seung-Woo Lee, Kevin Niemi, & Jeff Schussler, performed in the latter game in a continuously rotational rotation. Unfortunately, the Wet Strippers twirled faster to dry up the Horror's lead with a late-inning 9-run (un)dressing. On the positive side, everyone contributed solid hitting, including key swipes from Theresa, Roger & Susan. Discerning eyes enabled the collection of several walks, including 3 by Bridget. Defensive highlights were provided by keen pitching from Kevin & Roger, cornering put-outs by Theresa on 3rd & Todd on 1st, & high-speed outfielding by George, Seung-Woo, Jeff & John. Next game is Thursday, 7/25, 5:20 on West Bank #2.

§ § § § §

!! HAVE A GOOD WEEK !!



Leo Cullum

"Thanks for waiting for me, Jocko, but I still can't play. I've decided to go for a Ph.D."

TWIG-BENDER

Vol. 5, No. 73 - July 26, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JULY 29-AUG 2

MON - ASHS Meetings all week - Blacksburg, VA

WELCOME TO THE DEPARTMENT - Dr. Vincent A. Fritz arrived last week to start working as the new horticulturist at the Waseca Experiment Station. Vince will be working in the vegetable crops area.

§ § § § §

CONGRATULATIONS to Mary H. Hunsperger who passed her PhD final orals on Wednesday.

§ § § § §

PRINTING & GRAPHIC DESIGN services were merged as of July 1. Design work will still be done by Graphic Design & camera-ready copy will go directly to Printing as it has in the past. However, printing orders that are not ready for production will be coordinated through Graphic Design. Under this procedure, work &/or decisions that previously may have been handled by someone in typesetting or the prep department, will now be handled by an art production person. This change will be cost effective & will enhance the effectiveness of the printed piece. No design cost will be added unless you specifically contract for those services. If you need more information see Laura or call 3-3592.

§ § § § §

ON JULY 30, 1947, Thor Heyerdahl & his raft, Kon-Tiki, reached Puka Puka Island in Polynesia after sailing from South America.

§ § § § §

WANTED: Baby food jars for Walali, a graduate student doing his thesis research in Morocco. Such jars are not available in Morocco but are ideal for his research needs. Ali Lasheen will be in the department August 15 to pick up & transport to Morocco. Deposit said jars with Mary Hosier or Wes Hackett. Thanks.

§ § § § §

STATE FAIR BOOTH volunteers are again needed for this year's fair. If you are willing to spend 4 hours at the fair, stop by Laura's desk & fill out

the application form. Volunteers will receive free admission to the fair on the day they work & a chance to help make this project successful. This year's title is "Working for you - the University".

§ § § § §

IKEBANA FOR AMERICANS - Learn to master the basic techniques of Ikebana (Japanese flower arranging) & improve your skills in any type of flower arranging. Students will create different designs each week. Bring the following materials to class: clippers; 2 1/2-inch pin holder; low vase or container; 4-5 branches, 3 times the length of the container; 3-5 flowers with sturdy stems. Class meets in the Learning Center at the arb. 1-3 p.m., July 31, August 7, 14 & 21. Virginia Borg, instructor. \$20 members; \$30 non-members. To register call 443-2460.

§ § § § §

THE FIRST AUTOMOBILE advertisement, asking readers to "dispense with the horse," was published in Scientific American Magazine on July 30, 1898.

§ § § § §

THE LAST BLUEBERRY PICKING session for the season will be tomorrow at Becker. Be there by 9 a.m. to start picking. Sign-up in the main office.

§ § § § §

SEVERAL PURSES have been snatched around campus so everyone is reminded not to leave valuables left unattended.

§ § § § §

DON'T FORGET about the August 24th pot-luck bluegrass festival at the Geneve home from 3 p.m. till dawn (or whenever everyone leaves, which ever comes first). Bob & Patty would like an RSVP ASAP.

§ § § § §

Ants are allergic to chalk. At a picnic, draw a heavy chalk line around the edge of the picnic table to protect the food.

§ § § § §

!! OVER - OVER - OVER !!

GLADIOLUS SHOW ANNOUNCED - The Arboretum & the MN Gladiolus Society will sponsor a glad show on Saturday & Sunday, August 10 & 11 at the arb. All glad growers are invited to enter. The show is being held in honor of Carl Fischer, well-known MN glad grower, & includes divisions for spikes, interpretive arrangements, & decorative arrangements. All entries will be classified & shown in accordance with the North American Gladiolus Council Classification. Brochures describing the show's rules & divisions are available by calling the arb.

§ § § § §

WEEDS IN THE GARDENS - The garden plots are too weedy to belong to this department. Please clean up your garden.

§ § § § §

SPEAKING OF baby food jars, any time anyone has baby food jars around the house, please don't throw them away -- colleagues in the department can always use them.

§ § § § §

FAREWELL & GOODLUCK - the Wallersteins will be leaving for home this week & wish to thank everyone here for making their stay so pleasant -- they had a good year. An invitation to visit them in their homeland was extended to everyone!

§ § § § §

LAST CALL FOR SCAVENGERS -- Equipment in the hallway outside room 201 is "up for grabs" to anyone interested. The items should be used for University related projects & must not be returned to room 201. Thanks -- the Treasure Seeker's Friend.

§ § § § §

EPIDEMICS OVERCOME - The Hort Horrors flirted with disaster, but emerged victorious with a 17-12 win in Thursday's softball confrontation with the Epidemics. To keep the game interesting, the Horrors "allowed" a 9-2 lead to vaporize into 9-9 & 11-11 ties before recuperating the lead permanently. Included among the quarantine efforts were all-around all-star fielding & hitting by Theresa Nowak; Kevin Niemi's grand slam; sacrifice drives by Jeff Schussler & Susan Stombaugh; & alert defense by Chipper & Todd Perkins, John Pignato & Carol Wylie. An unwavering optimism from the rest of the team persuaded Bridget Ruemmele out of a temporary pitching slump midway through the game. The last regular season game is Thursday, 8/1, at 5:30 p.m. at the GC fields.

§ § § § §

Have a Good Week!!

TWIG-BENDER

Vol. 5, No. 74 - August 2, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - AUGUST 5-9

THUR -Crops & Irrigation Field Day, Staples -
10 a.m. to 3 p.m.

COA DEAN'S LIST for spring quarter, 1985:

Horticulture - Susan J. Hammar, Gregory A. Koob, Kirk W. Pomper, Dennis R. Thompson & Brian R. Zimmerman

Landscape Architecture - John R. Kippley, Carol E. Pelton, Elizabeth A. Walton & Michael G. Wasser

§ § § § §

CALHOUN-ISLES BAND to top off arb concert series. The final concert in the arb's summer concert series will be held Tuesday (August 6) at 7 p.m. at the arb. The Calhoun-Isles Community Band, under the baton of Manny Laureano, will give an outdoor performance featuring marches, medleys & other popular favorites from the concert band tradition. Laureano is principal trumpet with the Minnesota Orchestra. Picnicking is permitted at the concert site. Arb admission is \$2 adults, \$1 for group of children under 13 in 1 car. Arb members admitted free. In case of rain the concert will be August 13.

§ § § § §

Tell me, I'll forget. Show me, I may remember. But involve me & I'll understand. -- Chinese Proverb

§ § § § §

CORSAW UPDATE - As most everyone knows, Ken suffered a heart attack last week-end. I spoke with him yesterday (Thursday) and he sounds great -- he is in good spirits & is looking forward to going home perhaps as soon as Sunday. According to Ken, the slight damage to his heart will be corrected with rest & a proper diet -- no surgery. Anyone thinking of visiting should call the hospital (Midway) first, just in case he is already at home.

§ § § § §

The U.S. government received its first airplane on August 2, 1909. It was purchased from the Wright Brothers for \$25,000.

§ § § § §

APPLE SALES - As in the past the HRC will be harvesting apples in about 2 weeks. University employees receive a 20% discount off retail price. To find out the varieties available & the price call 474-9440. They won't be taking advance orders this year & will not be making deliveries. Cider pressing demos & educational workshops can be arranged by calling Linda Neumann (443-2460, ext 53).

§ § § § §

TO GAS CYLINDER USERS: The 1st floor loading area is not large enough to be used as a cylinder storage area. Please check the area & retrieve your cylinders. Thanks -- The Departmental Safety Informer

§ § § § §

The greatest train robbery occurred on August 8, 1963, when a mail train from Scotland was ambushed in England. The gang got 120 mail bags containing \$7,268,794 in bank notes. The money was on the way to London to be destroyed.

§ § § § §

EMPLOYMENT OPPORTUNITY -- Northrup King is now recruiting a Customer Information Representative. The duties include answering lawn & garden consumer complaints & inquiries over the phone & by letter; keeping information current by writing new fact sheets & updating materials; pointing out trends in complaints & communicating quality problems that may existing to marking & production. General office experience is helpful & samples of writing are required. Qualifications include a BS in horticulture with strong background in urban horticulture, strong organizational skills & ability to work independently. If interested call Betsy Oday at 781-5402.

§ § § § §

Rub a damp paper towel over corn-on-the-cob to remove corn silk.

§ § § § §

Have a Good Week!

TWIG-BENDER

Vol. 5, No. 75 - August 9, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - AUGUST 12-16

TUE - STAFF MEETING - 8:00 a.m., 394 AlderH

APPLICATION DEADLINE FOR GRANTS supporting international activities that begin in October, November & December is August 15. Funds in this matching grants program may be used for international travel costs, international per diem allowances, conferences or registration fees for meetings held outside the US & honoraria for visitors. For more information see the purple file folder on Laura's desk. This is the only copy of guidelines we have available so if you are interested xerox a copy for yourself. Please do not remove the folder (or its contents) from the main office. Thanks.

§ § § § §

EARLY WARNING - On Wednesday, August 28, our fire alarms will be tested. If the alarms go off before or after that date, be sure to evacuate the building..

§ § § § §

FOR THE PAST 2 years, the U has supported a grants program for providing centrally administered computing services for grad thesis work & faculty research not supported by granting agencies. The program will be continued in FY 85-86. The charging schedule will be in the purple file folder on Laura's desk if you would like more info.

§ § § § §

NARRATED TRAM tours of the arb started August 1. Tours are on Thursdays at 10:30 a.m., 12:30 p.m. & 2:00 p.m., and Sundays at 2 p.m. Tours continue through October 31. Tickets for the 45 minute-long tour may be purchased on the day of the tour in the gift shop/lobby for \$1.50/adults, \$1/sr. citizens 62 & over, & free for children when accompanied by an adult. The arb is seeking volunteers to help narrate the tours. The volunteer must be willing to help out with the tours on Thursdays & Sundays. Training will be provided, call the arb if you're interested.

§ § § § §

It's nice to work with friendly people -- be one.

§ § § § §

A TASTE OF WILLIAMSBURG - Sightseeing opportunities at the Williamsburg Pottery Factory, as suggested by Margaret Hibberd, seemed like a great idea to Kirk Pomper. Alas, the acres of post-WWII-gone-commercial buildings, linked together with a common bond of K-Mart-type shoppes & ceramic Mexican figurines, seemed to overwhelm the pre-ASHS Minnesota tourists who had envisioned the nostalgic whir of pottery wheels & sales of world-renowned pottery. One could not conclude, however, that all was lost, since the events later that evening afforded a taste of the Atlantic, which Kirk affirms is better than the worst of Minnesota wines!

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People are a lot like teabags; they don't know their own strength until they get into hot water.

§ § § § §

ARB CLASS: Landscape Construction Details - Thursday, August 15, 9:30-11:00 a.m., Peter Boyer, instructor. Learn landscape construction techniques that will work in your own backyard. Participants will tour the grounds to learn about techniques & materials used in landscape construction at the arb. The class will include info on walkways, edging, trellises, walls, pools & construction materials. \$5/arb members - \$7.50/non members.

§ § § § §

SPEAKING OF THE ARB - The annuals, perennials, lilies & restored prairie are in full bloom throughout the month of August. Plant collections & grounds may be viewed daily & free guided walking tours are available Tuesdays at 10 a.m. And don't forget the gladiolus show this Saturday & Sunday (August 10 & 11).

§ § § § §

Robert Fulton's pioneering steamboat, the Clermont, made its maiden voyage up the Hudson River on August 17, 1807.

§ § § § §

PLAYOFF VICTORS: The Hort Horrors finished their regular season last week with a close victory over the Residents-24 Hour Study. The Horrors 3-2 record put them into the class B bracket. In the first of a twilight doubleheader

!! OVER - OVER - OVER !!

sweep, the Horrors floored Bernie's Linolium 12-11. No-walk Niemi paced the Horror effort with both strong pitching & hitting. Stiff defense was contributed by infielders Carol Wylie, Paul Read, Theresa Nowak, John Pignato, Paul Birnberg & Bridget Ruemmele & outfielders Jeff Schussler, Roger Meissner, George Smith, Susan Stombaugh, Paul B. & John. The Horrors then cleaned up the Dirtballs 6-5 in another gritty contest. The same Horrors line-up was as awesome as in the first game. Theresa's key defensive plays & Kevin's pitching led the attack. Paul R. & Jeff stretched to the limit to rob sure hits. All the Horrors assisted well in the hitting department, including Kevin's home runs & long smashes by Roger, Paul R. & Jeff. All 5 of the Horror's women pierced the closed infield with decisive drives. Paul B.'s & Roger's fancy footwork on the basepaths left the Dirtballs in clouds of dust!!!

§ § § § §

KENNY SEEMS TO like the nurses &/or the hospital food these days. He went back into the hospital after over-exerting himself earlier this week. He didn't have another heart attack but

the doctors felt it would be wise to have him stay for a couple of more days. Next week he will be going to United Hospitals for more tests. He says he is feeling pretty good & he has promised that this time he will take it easy.

§ § § § §

ANOTHER FRIENDLY REMINDER about the garden plots. Someone tossed their garbage against the fence belonging to Mando Photo. Needless to say, the Mando people were less than thrilled with that addition to the landscape. One poor soul who just happened to be in the garden at the time, cleaned up the mess & requested that each gardener properly dispose of their own dead plants & weeds. Thanks.

§ § § § §

TUESDAY NOON DISCUSSION: Woods, C.M., V.S. Polito, & M.S. Reid. 1984. Response to chilling stress in plant cells II. Redistribution of intracellular calcium. Protoplasma 121:17-24.

§ § § § §

!! Have A Good Week !!

Frank & Ernest by Bob Thaves



TWIG-BENDER

Vol. 5, No. 76 - August 16, 1985
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Sci. & Land. Arch.
Editor: Ruth A. Harter

THIS WEEK - AUGUST 19-23

TUES. - Sweet corn taste panelists are needed. Harvest will begin about Aug. 20th. Please sign-up in Mrs. Munson's lab, room 369.

Thank-You Folks. I wish to thank all my friends in Horticulture for their thoughtful cards and the very lovely flower arrangement. I really appreciated it. Thank you, Kenny Corsaw.

Party-Time - Come help Bob Geneve get ready for his Ph.D. defense on Monday the 26th by relaxing him Saturday afternoon the 24th. The big event of the summer, perhaps the century, designed to wish the Geneve's good luck in Kentucky, takes place one week from tomorrow at Bob & Patty Geneve's. The Bluegrass Festival, hosted by the Geneve's, will be drawing folks from across the Northern hemisphere, and we'd like to see you there. Also Hill-billy Jim & Uncle Elmer ask that you RSVP to Patty or Bob ASAP so they can plan. Remember to bring a potluck dish. Fire up, put your dancing shoes on and get ready for some fine live Bluegrass.

Note - Note - Note - "Getting the lead out doesn't mean taking my pencils."
The Office Elf.

Computer Fire Extinguisher - Our secretaries may burn out, but not our computers, thanks to a Halon Gas fire extinguisher recently installed next to the projector cabinet in Room 305. Just beware the 'side effects' of halon. It removes oxygen from immediate surroundings (your lungs).

State Fair - Our department agreed to person the College of Ag. booth in the Horticulture building. The selected day is Sun., Sept. 1. Volunteers needed.

Non-Posted Position - Assistant professor with teaching and research in ornamental horticulture w/greenhouse experience. Call Samuel Dunn at (919) 379-7543 or write N.C. A & T State University, Greensboro, NC 27411.

Gas Cylinder Users - The first floor loading area is not large enough to be used as a cylinder storage area. Please check the area & retrieve your cylinders. Dept. Safety Informer.

Address Change - The Department of Agronomy and Plant Genetics has moved their administrative offices to 411 Borlaug Hall. Please take note.

* * * * *

Arboretum Director Interviews - Interviews have been scheduled on August 22, 23, 26 and 27 with Peter Olin and Darrell Aaps, candidates for the position of Director, University of Minnesota Landscape Arboretum. If you would like a copy of the interview schedule, please see Laura.

* * * * *

Campus Access During State Fair - The Minnesota State Fair dates are August 22 thru September 2, 1985. Access to campus during off-hours is via Boyd & Commonwealth. A U of M police officer will be at this intersection to allow staff and students access to our campus during the hours that the other entrances are closed. A staff or student I.D. will be acceptable to gain entrance to the campus. PLEASE NOTE: Folwell & Cleveland entrance will be opened Saturday at 7:00 a.m. to noon. This is a change from previous years.

* * * * *

Navigational Aids. The ASHS navigators report they are now grateful to Margaret and Kirk for providing them with such an easily recognizable landmark as the Williamsburg Pottery, since it was one of the rare times they knew where they were. How fortunate it was that the rental cars came with unlimited mileage when the navigators looked for seafood restaurants in the Newport News shipyards, before being rescued by

and returned to Williamsburg, by Dr. Bartz. (Rock gardens are more interesting than shipyards.) Also Kirk was lucky to taste the ocean since it was such a small target that the navigators almost missed it. Contrary to Kirk's taste of the ocean, one of the navigators required many bottles of replacement navigational wine after the ordeal.

* * * * *

Another One Bites The Dust! The HORT HORRORS romped over the watermelon-laden WE ARE NOT ALCOHOLICS in their latest playoff outing. After jumping out to a 3-0 lead on Kevin Niemi's home run, the HORRORS never trailed in the 19-10 victory. As usual, it was a tremendous total team trek. Paul "Person" Birnberg leads the team in most successful slides. Paul B. also teamed with Paul Read to complete a double play "just like in the big leagues." Spectacular catches by Carol Wylie, Jeff Schussler, George Smith and John Pignato prevented several runs, while Roger Meissner nailed a runner at home to stop another score. Barb Fick, Teresa Nowak, Bridget Ruummele, and Susan Stombaugh also contributed to the win.

* * * * *

TWIG-BENDER

Vol. 5, No. 77 - August 23, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - AUGUST 26-30

TUE - HS&LA faculty meet with Dr. Darrell Apps, Candidate for the Arb Director Position - 9-11:30 a.m.

- Apps presentation/questions - 1 p.m., 415 AlderH

WED - Horticulture Night, NC Experiment Station, Grand Rapids, 4:30 to dusk

SEMINAR for final defense of Bob Geneve's thesis will be presented at 9 a.m. on Monday, August 26 in 394 AlderH. Title of presentation: The Role of Ethylene in Adventitious Root Initiation in Hedera helix.

§ § § § §

SIGN-UP to visit with Dr. Darrell Apps in room 394 AlderH on Tuesday, August 27. Dr. Apps is a candidate for the Director of the Minnesota Landscape Arboretum position. Sign-up sheet is on the front counter. Be sure to plan on attending the presentation/question session at 1 p.m. also.

§ § § § §

REMEMBER that on Wednesday morning the fire alarm system will be tested.

§ § § § §

HELP IS REQUESTED to pack a truck with the Geneve family belongings. Packing will commence about 10 a.m. on Tuesday, August 27. We will need at least 10 able bodied movers & another 10 spectators & coaches to make it appear to be a real moving "party". Thanks.

§ § § § §

VOLUNTEERS NEEDED to staff the booth at the State Fair representing the College of Agriculture, in the Horticulture Building on Sunday, September 1. Tickets provided. See Dr. Bartz.

§ § § § §

LAST CALL - We hope you all can come to Geneve's Saturday the 24th for "Geneve's Kentucky Bluegrass Party". There will be beer, live music, dancing, games, volleyball -- what more could you ask for? All Pat & Bob ask is that you bring 1 dish & beverage, & chairs & blankets to sit on as there aren't enough to go around. We'll kick off the festivities at 3 p.m. Directions & pot luck

sign-up are on the bulletin boards. Please RSVP to Pat or Bob & we hope to see you there!! P.S. If anyone has volleyball poles please bring them along.

§ § § § §

THURSDAY CLASS B CHAMPS!! The Hort Horrors empire struck down Jabba's Hutts 12-11 in their last playoff confrontation. Highlights of the team victory included Kevin Niemi's 2 home runs, a leaping catch by Teresa Nowak, key drives by Chad Finn & Todd Perkins during a late inning rally, & a diving stab by John Pignato to prevent a grand slam home run. After a seesaw battle in the early innings, the Hutts surged ahead to a 10-4 lead in the 2nd half of the game. Undaunted, the Horrors launched a return volley to retain the lead 11-10 in the bottom of the 6th inning. A Hutt home run tied the score in the top of the 7th, but Kevin's home run in the bottom of the inning sealed the win. Paul Birnberg, Barb Fick, Roger Meissner, Chipper Perkins, Paul Read, Bridget Ruummele, George Smith, & Susan Stombaugh also contributed to the win. The Horrors need to win a doubleheader tonight starting at 8:20 on Bierman 7 to become overall summer league Class B Champs!

§ § § § §

CONGRATULATIONS to Brian Smith!! He captured 1st prize in the biggest pumpkin contest at the State Fair -- his entry weighs 197 big ones (lbs that is!).

§ § § § §

FISHING ANYONE? Anyone interested in fishing on Monday (8/26), the fisherpersons will be leaving the greenhouse for Green Lake at 8:00 a.m. & returning by 4:30. Drivers & riders are welcome. Bring a lunch.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5, No. 78 - August 30, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - SEPT 2-6

MON - Labor Day - University Holiday

CONCERN WAS recently expressed to the graduate student council representatives about department policy regarding the time a thesis reader may have to get a thesis read. If there are any other grad students also concerned about this issue, please contact any of your grad student representatives & register that concern.

§ § § § §

On September 4, 1929, the dirigible Graf Zeppelin completed its around-the-world trip & landed in Germany.

§ § § § §

DR. BETSINGER has offered to "shop" for funding on her next trip to Washington, DC. If you are interested in having her do this, please forward a 1-page summary which includes the title of the research, the purpose of the research, how long the project will be, approximately how much it will cost to complete the project & your name, address & phone number. Dr. Betsinger will need this information by 11:30 a.m. on September 6.

§ § § § §

CIVIL SERVICE personnel are reminded to regularly check the bulletin board in the back hallway for civil service meeting agendas, announcements & minutes.

§ § § § §

The first Pullman Sleeping Car went into service on September 1, 1859.

§ § § § §

GRANTED:

Dr. R.E. Widmer, "Development of New, Improved & Superior Sexually Propagated Garden Chrysanthemums - Flower Color Sub-project" by Bedding Plants Foundation, Inc.

Drs. W.P. Hackett & P.E. Read, "Selection of Somaclonal Variants for Resistance to Septoria musiva in Populus" by Competitive Grants Program for Forest & Rangeland Renewable Resources.

Congratulations.

§ § § § §

THESIS PRINTING CHEAP!! You can get your thesis printed straight from a disc by a laser printer for only 8¢ a page!! Room 167 Social Sciences Building on the West Bank Campus (WB Microcomputer Center). I also got well over an hour of free help making sure all my files, dot commands, etc. were right. Any question see Chad or Kirk!!! P.S. You must buy a laser printer card (\$4/50 copies) from the WB Bursars office.

§ § § § §

Ford Motor Company introduced the ill-fated Edsel on September 4, 1958.

§ § § § §

HORT SOCIETY LIBRARY BOOK is missing. We have been searching our library for a very special copy of the Minnesota State Horticultural Society bound volume #54 for the year 1926. The Society report was printed each year in book form & the copy missing is very important to us. If anyone in the department knows where it is, we would very much appreciate getting this copy back into the library immediately. Thanks -- Glenn Ray.

§ § § § §

ARBORETUM LIBRARIAN CANDIDATES will be in AlderH in September. Ms. Mary Lou Stursa will be here September 4, Dr. Gunther Buchheim, September 6 & Mr. Richard Isaacson, September 19. They will be in room 398 & available for interview.

§ § § § §

PUBLISHED:

L.E. Marsh, D.W. Davis, & P.H. Li. 1985. Selection & Inheritance of Heat Tolerance in the Common Bean by Use of Conductivity. J. Amer. Soc. Hort. Sci. 110(5):680-683.

H.B. Pemberton & H.F. Wilkins. 1985. Seasonal Variation on the Influence of Low Temperature, Photoperiod, Light Source, & GA in Floral Development of the Evergreen Azalea. J. Amer. Soc. Hort. Sci. 110(5):730-737.

H.B. Pemberton, M.L. Brenner & H.F. Wilkins. 1985. Endogenous ABA Levels in Floral Bud Parts of the Evergreen Azalea During Floral Development. J. Amer. Soc. Hort. Sci. 110(5):737-742.

§ § § § §

!! OVER - OVER - OVER !!

WAY TO GO ROGER!! A miracle occurred on the recent hort department fishing expedition. Roger, sitting on the bow of his boat, decided we needed more to fish for than Bluegills & Bass, so he tossed his keys overboard into the murky depths of Green Lake. Roger's heart sank as he realized his extra set of car keys were an hour away, his landlord was out of town & the only 2 keys to his safe went overboard. Nine feet of murky water, a couple feet of muck & a moving boat added to the excitement of the recovery operation. Chad confidently lashed the fish net to the end of the

oar using Brian's belt. As Barb cheered Roger on he began dipping for the keys & he kept dipping, & dipping, & dipping. Finally after 45 minutes he gave up. Barb confidently took over, but after 3 dips determined it was a useless, hopeless, waste of time. Chad said a prayer to good ol' St. Anthony & took over with \$20 on the line. Two dips later a shiny set of keys was rescued from the deep. Roger, Barb & Chad went wild, meanwhile, Brian fished to no avail.

§ § § § §

If you're going to be traveling around the state this week-end -- drive carefully.

§ § § §

Have a Good Week

TWIG-BENDER

Vol. 5, No. 79 - September 6, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - SEPTEMBER 9-13

- TUE - Staff Meeting - 8 a.m., 394 AlderH
- Fall Crops & Soils Field Day, West Central Experiment Station, Morris - 9 a.m. to 2:30 p.m.
- WED - Fall Corn & Soybean Day - Southwest Experiment Station, Lamberton - 9 a.m. to 2 p.m.
- THU - Corn & Soybean Day - Southern Experiment Station, Waseca - 9 a.m. to 3 p.m.

NEW GRAD STUDENTS & any other current student not pictured in the grad student gallery should check page 30, appendix 2, of the grad student handbook. We need to update our gallery & need your photos by October 1. If you didn't receive a copy of the bluebook stop by Laura's desk. Thanks.

§ § § § §

RESERVE SOME TIME on September 27th (4-9 p.m.) to drop in on the Minn vitro open house at 1520 Albany (1 block east of Snelling & 1 block north of Como). More details will follow.

§ § § § §

The first coast-to-coast, paved road, U.S. Highway 30, or "The Lincoln Highway", was opened on September 10, 1913.

§ § § § §

PLEASE RETURN the SuperCalc instruction booklet to the 2nd floor PC room!!! It has been missing all week. Thanks.

§ § § § §

PARTICIPANTS IN THE STATE HEALTH INSURANCE PLAN - All employees currently participating in the State health & dental programs are eligible to participate in open enrollment which will be in progress until September 30. There are also significant changes in Blue Cross/Blue Shield of Minnesota coverage. If you have questions see Laura.

§ § § § §

Drop several of the kids' marbles in the kettle when you're making jelly or anything else that requires constant stirring. The marbles will roll across the bottom & prevent sticking.

§ § § § §

BORROWED, LOST, FORGOTTEN, sidetracked, etc? We are seeking 3 Belfort recording thermographs (serial #s I1228, I1465, & B2070). Any information or leads as to their present home would be appreciated. Please contact R.E. Widmer, 458 AlderH. Thanks.

§ § § § §

SEPTEMBER 28th, the College of Ag Alumni Society & the Associates 1000 program will be teaming up to sponsor AGFEST '85. Our department has been asked to participate by encouraging alumni from our department to attend AGFEST '85 & be on hand at AGFEST to provide info on activities of our department & in general, greet returning alumni. The society will be making space available at the Earle Brown Center for department displays, exhibits or perhaps a table of current events. Please stop by my desk to let me know how you will help. Thanks -- Laura.

§ § § § §

3 WORDSTAR PC DISKS have disappeared from the PC room. Please help them find their way home.

§ § § § §

LOST: Will Healy's PhD thesis from HFW's office. Anyone seen it?

§ § § § §

JUDY D. LINDER, from the Department of Extension classes is interested in offering an Elderhostel program in summer 1986, on the St. Paul Campus. Her plan is to focus on research, for example, the kinds of research carried out, research technique, how priorities are met, & research budgets. She is asking for help in identifying research faculty who would be interested in teaching in the program. If you are interested in teaching in the one-week project, please see Laura on Monday. Thanks.

§ § § § §

Have A Good Week!!

TWIG-BENDER

Vol. 5, No. 80 - September 13, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - SEPTEMBER 16-21

SAT - American Chestnut Foundation Annual Meeting - 9:30 a.m., Arboretum Auditorium (9/21/85)

GARDEN PLOT REMINDER: If you have any interesting vegetable cultivars & can spare a few specimens for Dr. Davis' class this fall, contact Dave Rubino. Thanks

§ § § § §

WELCOME to Dr. Ruth Shillo, professor from University of Jerusalem, Department of Ornamental Horticulture, Rehovot campus. Her office is 162, she will be here for 9 months working with Dr. Wilkins. Her special research area is floriculture physiology. Copies of her publications will be posted by the grad student p.o. boxes. This will give all an opportunity to relate to her research background & foster discussions & cooperation.

§ § § § §

SATURDAY the 21st of September is the date for the American Chestnut Foundation Annual Meeting. Speakers will be Norman Borlaug, David French, Phil Rutter & Mary Hosier. The meeting begins at 9:30 in the Arboretum Auditorium & anyone interested is welcome to attend.

§ § § § §

Murphy's Law: Gardening tools stored carefully in the fall will be underfoot until March, when they'll disappear until you no longer need them.

§ § § § §

TO THE PERSON(S) who unpacked & took supplies: Please do not remove any supplies addressed to Ruth from the back hallway until she has had a chance to reconcile against the packing slip. Thanks

§ § § § §

SCHOLARSHIPS/FELLOWSHIPS:

1. Rhodes Scholarships - Elections to Rhodes Scholarships will be held in December. Scholars-elect will enter Oxford University in October, 1986. Eligible applicants must: a) be a citizen of the U.S. & unmarried; b) have passed the 18th & have not passed the 24th birthday by October 1, 1985; & c) have achieved academic standing sufficiently advanced to assure completion of the BS degree before October 1, 1986. Prospective

applicants may obtain more information from Jeanne Mclean, 422 Walter Library, at 3-5819.

2. Marshall Scholarships at British Universities 1986-1988. The Marshall Scholarships were established in Britain in 1953 for young American citizens as a national gesture of thanks to the U.S. for Marshall Aid. Up to 30 college grads, men & women under 26, are selected annually to work as Marshall Scholars for 2 years for further degrees at British Universities in wide range of subject. For further information contact Jeanne Mclean.

3. Philip C. Hamm Memorial - Nominations for Grad Student Scholarship in the Plant Science/Related Disciplines - The Philip C. Hamm Memorial Scholarship for a grad student will be awarded on November 4, 1985, at the time of delivery of the 5th P.C. Hamm Memorial Lecture. Faculty are requested to nominate a promising grad student for this \$1000 award. Application deadline: October 15, 1985. This scholarship is based entirely on merit & is meant to give recognition to a grad student who shows exceptional promise as a research scientist. Eligibility consists of completion of at least 1 year in a grad school with good academic standing; registration in, or admission to the Graduate School of the UofM; & demonstrated promise as a research scientist.

More information about all of these scholarships is posted in the "Announcements" section on the bulletin board in the back hallway.

§ § § § §

EXHIBIT/DISPLAY ideas are still being accepted by Laura for AGFEST '85. Here is an excellent opportunity for us to communicate with our alumni on what is happening in the department & the college.

§ § § § §

WANTED: Two tickets to the Minnesota vs Oklahoma football game, September 28. See Greg Kerr

§ § § § §

!! OVER - OVER - OVER !!

AS AGREED at the September staff meeting, please submit all comments on the guidelines document to JFB. He will distill them with the consultative committee & present the revised document for faculty discussion & adoption at a special department meeting to be called in late October.

§ § § § §

Bad new, it is said, comes in twos. Pain & suffering. Hunger & thirst. Fear & trembling. Parts & labor.

Changing Times

§ § § § §

FALL QUARTER Spanish (101, 201 & 301) classes will begin on Monday, October 7. The cost is \$30. For more info &/or registration call 6-9458 or 3-1498. Course outline is posted in the back hallway.

§ § § § §

ARBORETUM FALL OFFERINGS:

The Prairie in the Fall - Tuesday, September 17, 8:30 a.m. to noon. Peter Moe, instructor. Learn about tall grasses & fall blooming prairie plants on this tour of Minnesota prairies. Class will visit the arb's reestablished prairie & the native Schaefer Prairie near Glencoe. Fee is \$9 for members & \$14 for nonmembers. Participants should meet at the arb in the parking lot west of the Snyder Education & Research building. Students should provide their own transportation to the Glencoe location. To register call the arb.

Spring bulb planting sessions will be held on Saturday the 21st. Learn to select, plant, & care for tulips, peonies, daffodils, iris, lilies & other bulb plants. Participants choose from 8, 1½ hour sessions offered between 9 a.m. & 3:30 p.m. Instructors will introduce students to different varieties & cultivars & will recommend best plants for this area. Fee is \$14/members, \$20/nonmembers. Fee includes box lunch.

§ § § § §

DOES ANYONE have an address or catalog for Edmund Scientific? If so, please see Ruth. Thanks

§ § § § §

DON'T FORGET - Mr. Richard Isaacson, final candidate for the Andersen Horticultural Library position, will be in the department on Thursday, September 19. Department members are encouraged to spend some time with Mr. Isaacson in room 398 from 8:30 to 9:30.

§ § § § §

FACULTY MAY BE INTERESTED in knowing that the first item of business for Dean Allen, every day, is to review travel reports. The Dean is interested in knowing what was accomplished & who was visited. Follow-up meetings are often scheduled after he sees such reports.

§ § § § §

DATES TO REMEMBER:

Wednesday, October 30 - Meeting with the Dean, 12:30 to 2 p.m. Discussion meeting in 335 Borlaug Hall.

December 4 - College of Agriculture Assembly Meeting. 33 McNeal Hall, 3:30 to 5 p.m.

More information will follow - mark your calendars now.

§ § § § §

Have a Good Week!

TWIG-BENDER

Vol. 5, No. 81 - September 20, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - SEPTEMBER 23-27

- MON - Final Seminar - "Control of Lateral Branching & Reproductive Development in Poinsettia" - by Kevin Grueber - 9 a.m., 394 AlderH
- Final Seminar - "Cold Acclimation & Water Relations of Spinacia oleracea" - by Anne Fennell, 2 p.m., 394 AlderH
- TUE - Special Lecture - "Agriculture & Food Problems in the Third World" - by Dr. Norman Borlaug, 11 a.m., 135 Earle Brown Center
- New Graduate Student Orientation - 1 p.m., 394 AlderH
- THU - Fall Quarter Classes Begin!!

THE NEW PERSON in the office is Jay Hopkins who joined the department on Monday (9/16). Jay comes to the department from Coffman Union. If you haven't met him yet be sure to stop by & introduce yourself.

§ § § § §

ARBORETUM CLASS - Apple Varieties & Their Uses, Dave Bedford, instructor. Learn about apple varieties grown in Minnesota -- Regent, Honeygold, Red Barron, Fireside & others. Learn which are good for eating, making cider, baking & other culinary uses. There will be samples for tasting. Fee is \$5 for members, \$7.50 for nonmembers. Class meets in classroom II. Wednesday, September 25, 1-3 p.m. Call the arb to register.

§ § § § §

FOR SALE - Bunkbeds with ladder, mattresses & springs. Excellent Condition - \$100. See Martha in 305.

§ § § § §

For fall color reports, call the Minnesota Leaf Line - 296-5029.

§ § § § §

DEPARTMENTAL ORIENTATION for incoming grad students will be held a 1 p.m. on Tuesday, September 24, in 394 AlderH. All grad students & faculty are invited to come & get acquainted with our new members over cider & cookies at 3 p.m.

§ § § § §

POSITION AVAILABLE - Greenhouse position with Department of Biology, West Illinois University. Raise indoor/outdoor plants, large plant collection. 12 month Civil Service appointment. \$1611 monthly. For more info call Ben Stidd at (309)298-2408.

§ § § § §

REMINDER - AGRICULTURE SPECIALISTS - The Telecommunications Center proposals for funding of new telecommunications projects are to be routed through Dr. Miller's office before they are submitted to the Center staff for review. If you are interested in the possibility of obtaining funding for a project, preliminary proposals are due to Dr. Miller by 4:30 p.m., Wednesday, September 25.

§ § § § §

STUDENT EXCHANGE & FELLOWSHIP PROGRAMS -

1) International Reciprocal Student Exchange Program in Norway, College of Arts & Science, University of Trondheim, September 1986-June 1987. This scholarship finances for 1 academic year: tuition, fees, room & board, minimal health insurance, a book allowance & a monthly incidental stipend. Transportation to, from & within Norway are the responsibility of the student. For further information see Dr. Hard &/or the pink announcement on the grad student bulletin board.

2) Graduate Study/Research in Germany - Deutscher Akademischer Austauschdienst, 1986-87 - Applicants must be U.S. citizens, 18-32 years of age, who are registered in the UofM Graduate School at the time of application. Campus application deadline is November 8, 1985. For more information see the green flyer on the grad student bulletin board.

3) Ford Foundation Doctoral Fellowships for Minorities - Announcements for 2 of these fellowships are posted on the grad student bulletin board

§ § § § §

CIVIL SERVICE STAFF - The 1985-86 Compensation Plan for Civil Service Employees is posted in the Announcements section of the back hallway bulletin board for your information.

§ § § § §

OVER - OVER -OVER

STILL LOST - Liatrias file from HFW's office. Whoever borrowed it -- please return it. Thanks.

§ § § § §

COMING EVENT AT THE ARB - The Minnesota Landscape Arboretum's annual fall festival will be held on Saturday, September 28, 10 a.m. - 3 p.m., when fall colors should be at their peak. Arb staff members, horticulturalists, & area artists will demonstrate & explain skills such as cider-pressing, food preservation, flower-pressing, spinning, & bread-making. Dr. Snyder will be there to answer questions & autograph his book "How Does Your Garden Grow?" from 11 a.m. - 1 p.m. A full day of activities are scheduled, so mark your calendars now & plan to attend. No fee for members, others pay the gate fee (\$2 for each adult & \$1 for all children under 12 in a car).

§ § § § §

IT'S THAT TIME OF YEAR AGAIN - If you are interested in the Plant Genetics Discussion Group for fall quarter, drop a schedule in Barbara Liedl's p.o. box. We also would appreciate any suggestions for papers or topics to cover. If you have questions see Barbara.

§ § § § §

REMINDER TO TEACHING FACULTY - Classes begin on Thursday, the 26th & the office is still waiting for class materials to prepare.

§ § § § §

Have a Good Week!

Anne Fennell & Dr. Kevin Grueber.

§ § § § §

NEW DEPARTMENTAL MEMBERS should know about the Tuesday morning coffee break that the entire department stops for. Each Tuesday at 9:30, with the exception of staff meeting Tuesday which is at 2:30 p.m., department members gather for 1/2 hour of social exchange. Everyone is welcome & everyone is encouraged to stop by.

§ § § § §

JOURNAL CLUB: Paper for discussion on Tuesday, October 1: Roomger, C.H., Wilson, J.M. & Kerr, M.W. 1984. Changes in the Soluble Protein & Free Amino Acid Content of Chill-Sensitive & Chill-Resistant Plants During Chilling & Hardening Treatments". J. Exp. Bot. 35(159):1460-1471. We will start at noon in room 108 Student Center.

§ § § § §

VISITING SCIENTISTS, GRAD STUDENTS & SPOUSES - Open house buffet dinner, October 4 at 6 p.m. at Jim & Bernice Bartz's, 1975 Autumn Street.

§ § § § §

Sign in an optometrist's office: If you don't see what you're looking for, you've come to the right place.

§ § § § §

PLANT GENETICS DISCUSSION GROUP will meet at noon on Wednesday in 398 AlderH beginning October 2. Students & faculty are welcome, & all are requested to bring some new idea or info, either from personal research, literature reading, or attendance at meetings to share with the group. For further info contact Barbara Liedl.

§ § § § §

completion of the CSRS review, CRIS will return an electronic file of the approved project for your files. If you are interested, contact the CRIS office at 301-344-3846, or DIALCOM mailbox AGS003.

§ § § § §

DIRECTOR ANNOUNCED - Mr. Peter J. Olin has been offered & has accepted the position of Director, Minnesota Landscape Arboretum. Our congratulations are extended to Peter & the Arboretum.

§ § § § §

GOOD LUCK to our new grad student representatives: Barbara Liedl (Computer Committee) & Kathryn Louis (COGS representative).

§ § § § §

INTERESTED IN GOPHER hockey tickets? The season ticket applications are due today. If you're interested in getting in the group, or a 1/2-season ticket, talk to Barb Fick or Chad Finn. Basketball tickets due October 11 - check with Fick or Finn.

§ § § § §

NICE ROOM in house about 3.5 miles from St. Paul campus available soon. If you're interested, see Bob Cordero.

§ § § § §

GENERAL ORIENTATION SESSION - College of Agriculture, Career Services, Tuesday, October 1, 12 noon, 101 Coffey Hall. This is your opportunity to sign-up for interviews conducted by company recruiters held in the Career Services office during fall quarter. Pick up fall interview schedules in CS office (272 Coffey) prior to the General Orientation session.

§ § § § §

!! OVER - OVER - OVER !!

ORCHID SOCIETY OF MINNESOTA & Dayton's present - "The Royal Orchid", fall 1985 orchid show in conjunction with the Mid-America Orchid Congress, Dayton's Downtown Minneapolis 8th floor auditorium. Friday, October 4, 4 p.m. sales room only will be open, Saturday, October 5, 9:30-5:00 - show open to public; Sunday, October 6, 12:00-5:00, show open to public. Culture talks, 20 minutes in length, on the hour & half hour. There should be hundreds of flowering orchids on display. No admission fee.

§ § § § §

MARK YOUR CALENDARS: Dates for grad student written exams for the academic year are as follows: October 7, November 4, January 27, February 17 & April 14. As usual, an advance reminder will appear in the Twig before each scheduled exam.

§ § § § §

DR. RICHARD S. CALDECOTT has joined President Keller's staff as Assistant to the President for Federal Relations & will be the central contact point for our federal relations activities. Dr. Caldecott receives mail at 202 Morrill Hall & his telephone # is 3-4009.

§ § § § §

NEW WEEKLY FEATURE - As a service of your friendly computer committee, we will offer weekly hints to help you use your computers more effectively. If you have questions you would like answered please address them to "Dear Micro Chip" & place them in Bud Markhart's p.o. box. This week's hint:

Dust, hair, & finger prints are like boulders to a floppy disk drive. Never place a floppy disk down without first putting it in its jacket. Keep jacketed disks in a file box. It is amazing the damage that one human hair can do when it gets between the disk drive head & the floppy that is spinning at 200 mph. If you're lucky, only the disk will melt. If unlucky, you will replace the drive.

§ § § § §

THE WYLIE-FINN household is throwing party to celebrate anything & everything. It's a ring party to celebrate Carol's new ring (big, clear, sparkly, rock on the ring finger of her left hand). It's to celebrate friends coming home & the lack of stress we'll all feel for the next 1½ weeks. Anyway, come on by about 9 p.m. tonight, at 2415 Carter Avenue. Questions -- talk to Carol or Chad, or call 645-5620.

§ § § § §

ONE OF THE BEST volleyball teams in the country is playing tonight in Williams Arena. Come watch the young Gophers play the Purdue dynasty -- 7 or 7:30, Chad didn't know which.

§ § § § §

CONGRATULATIONS to a former grad student, Dr. Elizabeth Bray has accepted an assistant professor position in the Plant Science Department at the University of California at Riverside.

§ § § § §

USDA - COMPETITIVE RESEARCH GRANTS PROGRAM deadline dates: November 12 - Photosynthesis (contact 475-5030), Plant Pathology & Weeds (475-5022); January 13 - Plant Growth & Development (contact 475-5042); February 17 - Nitrogen Fixation (contact 475-5030); February 24 - Environmental Stress on Plants (contact 475-5038); & March 3 - Plant Genetics & Molecular Biology (475-5042). For more information see Laura Kalisch.

§ § § § §

INTERESTED IN JOINING a champion team? The hort bowlers are in need of more team members. If you are interested, see Roger or Bud. They did okay this week.

§ § § § §

WELCOME BACK to 2 old grad students just in for a visit - Mich Hein & Beth Bray will be visiting the department this afternoon after 3 long years of absence. If you remember either or both of them, stop 'em & say hi, or something.

§ § § § §

Have a good week!!

p.s. - Barb Fick & Neil Anderson need 1-gallon plastic ice cream buckets.

TWIG-BENDER

Vol. 5, No. 83 - October 4, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCTOBER 7-11

- MON - Annual Extension Conference - all week in Brainerd
- Exam Question - 8 a.m. - 4 p.m., 394 AlderH. Pick up your question from Laura Kalisch
 - Monday Night Discussion - "Physiological Responses to Water Stress in Phaseolus vulgaris & P. acutifolius" - by Y. Costenguy. Fireplace Room, McNeal Hall, 7 p.m. After-session at Mannings
- TUE - Departmental Coffee - 9:30 a.m., 394 AlderH. Treaters this week are G. Fernandez & C. Fellman
- WED - Hort 8063 - Discussions in Horticultural Plant Breeding, 9-10 a.m., in 398 AlderH
- Departmental Seminar - "Determination of Self-Incompatibility Genetic Models with the Assistance of Computer Softwares" - by Barbara Liedl & Neil Anderson, 4 p.m., 415 AlderH. Refreshments will be available prior to each seminar. Attendees are encouraged to arrive early & take part in informal discussion

TELEPHONE REWIRING is scheduled for Alderman Hall the week of October 7. As part of the installation of the U's new phone system, it's necessary to rewire the building. This process will start next week. All personnel involved in the rewiring are required to display a picture identification badge at all times. If you have any questions regarding this process call the Telecommunications Hotline at 6-8686.

§ § § § §

REMEMBER TO: Turn in you department directory information to Ruth Harter.

§ § § § §

THE LANDSCAPE ARBORETUM will be celebrating the opening of its Japanese Garden tomorrow (October 5). The day's activities will begin at

10:30 a.m. with a traditional Japanese tea ceremony in the new garden. Presentations on the sculptural art of bonsai will be given at 11:30 & 1:30 by Kevin Oshima, bonsai specialist. Demonstrations of Japanese flower arranging, the art of ikebana, will be at 12:30 & 2:30. The new garden's name is Seisui-Tei, or Garden of Pure Water.

§ § § § §

INCOMPATIBILITY DISCUSSION (Hort 8061) will meet Mondays starting October 7 at noon in 398 AlderH. All interested people are encouraged to join us.

§ § § § §

TO ALL MY FRIENDS & colleagues in Alderman Hall: Thanks for 4 years of professional fun. I can't say that I'll miss being in grad school, but I will miss you wonderful people! Kevin Grueber

§ § § § §

CONGRATS to Roger Martin on his election as president-elect of the American Society for Landscape Architects.

§ § § § §

PLANT GENETICS DISCUSSION group will meet Wednesday at noon in 398 AlderH. Dr. Somers will lead the discussion on some recent articles by Tomes et. al. (TAG 1985, 70:505-509) The paper will be posted across from the grad student p.o. boxes.

§ § § § §

HAPPY HOUR - Stop by Ann Fennell's at 4:30 p.m. today to help Ann Fennell & Gary Yarrow celebrate finishing their PhDs. Get primed for Dr. Bartz's get together at Anne's, at 2295 Doswell, tan house up the hill from Speedy Market.

§ § § § §

Mrs. D.B. Gurney paid the first 50¢ toll to drive across the Meridian Highway Bridge in Yankton, SD, when it opened on October 11, 1924.

§ § § § §

GOOD JOB JOHN - John Carter's seminar on the Land Grant System has been accepted by ASHS for publication as a feature article!! (Taking initiative does matter!)

§ § § § §

!! OVER - OVER - OVER !!

BEST WISHES to Mr. Zhao, a visiting scientist who did excellent work on aluminum toxicity on cell membrane, & who is leaving for China on Monday. Friends of Zhao (& everyone else) are invited for beer, wine & etc. at the Stadelmann's (1800 W Larpenteur #6, 646-2220) tonight after 8 p.m.

§ § § § §

FELLOWSHIPS:

Grad School Tuition Scholarships: 1 quarter partial or full tuition waiver. The student must have been enrolled in the UofM grad school for 3 quarters & be a U.S. citizen or permanent resident. Awards are based on academic merit with some consideration for financial need. Deadline for winter quarter is November 15 & for spring quarter, February 7, 1986.

Doctoral Dissertation Special Grants: Up to \$1500 are rewarded for expenses directly relating to dissertation research. Students must be PhD candidates of the UofM who have passed written & oral prelims by the end of the quarter of application. The next application deadline is December 6.

§ § § § §

TAILGATE PARTY - For anyone going to the Minnesota/Purdue football game or anyone interested in a late afternoon picnic, stop by Chad's at 2415 Carter Avenue, Saturday. He's firing up the grill at 4:30 or so & leaving for the game at about 6 p.m. If you're not going to the game, stop by anyway & try to persuade him to cheer for Minnesota instead of (not-so-)mighty Purdue. Bring along potato salad, coleslaw, brownies or whatever strikes your fancy.

§ § § § §

POSITION ANNOUNCEMENT - Assistant Vice President for International Education, University of Minnesota. The Assistant Vice President will head an office that will serve as focal point for the U's efforts in international education in the broadest sense. The AVP will provide leadership in efforts to enhance the international character of the U through curriculum, faculty development opportunities & exchanges abroad, student learning abroad & participation of international students in the academic life of the University, & through contacts with the external community. For a more detailed position announcement, see the faculty bulletin board.

§ § § § §

SEASON BASKETBALL TICKET applications are due October 11. See Chad or Barb if you're interested in a full season ticket or splitting a ticket. Up to 10 people can be in the group.

§ § § § §

THE DEPARTMENT OF PLANT PATHOLOGY administrative office has moved to 495 Borlaug Hall, 1991 Buford Circle. Please change your address books.

§ § § § §

THE NEW PEACE CORPS representative is Jodi Taitt. If you have any suggestions or insights you may have about spreading the word to inform students about the unique opportunities the Peace Corps has to offer, please contact her at 3-1498, 293 Coffey Hall.

§ § § § §

RUTH HAS extra current pricing sheets for General & Chemical Storehouse.

§ § § § §

ON OCTOBER 11, Dr. John Caldwell, Title XII International Horticulture Professor, VPI, will speak about the Farming Systems Project in Virginia. This project was initially funded by USDA to try to incorporate a home economics/social science perspective into the FS approach to research/extension. The on-farm trials & technical interventions are oriented toward vegetable production. Watch the bulletin boards for time & place.

§ § § § §

Work hard & save your money & when you are old you will be able to buy the things only the young can enjoy.

§ § § § §

NEIL O. ANDERSON became the department's latest Master of Science this morning. Neil is planning to continue his graduate education with us so you will have plenty of time to wish him well. Congratulations!!

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5, No. 84 - October 11, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCTOBER 14-18

- MON - Floriculture Seminar - "Light Perception by the Poinsettia" - by David Weiss - 4 p.m., 394 AlderH
- Monday Night Discussion - "Responses of Plant Microtubules to cold acclimation" - by Marna Ericson. Fireplace Room, McNeal Hall, 7 p.m. After-session at Mannings
- TUE - Staff Meeting, 8:30 a.m., 394 AlderH
- Extension Staff Meeting, immediately after staff meeting
- Departmental Coffee - 2:30 p.m. - This week's treats graciously provided by K. Lloyd & J. Luby - 394 AlderH
- Consultative Committee Meeting, 3:30 p.m., 394 AlderH
- WED - Hort 8063 - Discussions in Horticultural Plant Breeding - 9 a.m., 398 AlderH
- Departmental Seminar - "Improving Sweet Corn Germination & Stand Establishment with Seed Hydration Treatments" - by Mark A. Bennett - 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar. Attendees are encouraged to arrive early & take part in informal discussion
- THUR - Plant Physiology Seminar - "Role of Cytoplasmic Calcium in Plant Chilling Stress" - by Dr. Michael S. Reid, Department of Environmental Horticulture, University of California-Davis, 3 p.m., 335 Borlaug Hall
- FRI - Special Seminar - "Control of Flower Bud Opening" - by Dr. Michael S. Reid - 2 p.m., 415 AlderH

SEMINAR SPEAKER - Mr. David Weiss, speaker at the Floriculture Seminar on Monday afternoon is a graduate student of Dr. Ruth Shillo & will be visiting the department for the next 2-3 weeks.

§ § § § §

WORLD FOOD DAY OBSERVATION - As a part of the St. Paul campus observation of World Food Day, October 16, the College of Agriculture, International Agricultural Programs is sponsoring a noon panel discussion. Joan Nassauer will be moderating the discussion which will address the issue of resource & environmental issues in food security. Plan on attending on Wednesday, at noon in 101 Coffey Hall.

§ § § § §

1986 KELLOG NATIONAL FELLOWSHIP PROGRAM

- The annual Kellogg National Fellowship Program is designed for individuals who are in the early years of their professional careers. Applicants are sought who have demonstrated a willingness & capacity to provide institutional, community, or professional leadership. The deadline for submission of completed applications to Academic Affairs is December 18, 1985. See Laura Kalisch for more detailed info & application material.

§ § § § §

A male driver committed 4 hit-&-run offenses, drove on the wrong side of the road 4 times & caused 6 accidents -- all in 20 minutes -- on October 15, 1966 in McKinney, Texas. He received 10 traffic tickets for his efforts.

§ § § § §

TWIG HEARS that there is to be a party for new & old students at Wilkins' (2161 Doswell) on Friday, October 18 at 7:30 p.m. Come one, bring all, lots of cheese & crackers, & etc. (BYOB)

§ § § § §

COME TO THE FIRST meeting of Hort 2010. It will be held in 415 AlderH from 3:00-3:45, the hour before Wednesday seminar. Refreshments will be served. Hort 2010 is an hour for informal discussion to raise the department awareness level as to where & how horticulture can best contribute in the future.

§ § § § §

PLANT GENETICS Discussion Group will convene in 394 AlderH (note room change) at noon on Wednesday. This week's topic is the latest information on the genes in Ti plasmids involved with tumorous growth. Planta 163:257-262. Also for further information Proc Natl Acad Sci 81:4776-4789 & EMBO 4:853-859.

§ § § § §

§ § § § §

Tree Apples

Apples hanging on the tree
Are a simple delight to me.
Something's in the autumn air
When I see the apples there.
Apples bending down the bough
Are sweetly ripening now.
When red completes the round,
Fulfillment they have found.
The thrill it gives to me
To see an apple on the tree,
Among the others of its tribe
Is a feeling hard to describe.

Frank Vallez

§ § § § §

LAST CHANCE for season basketball tickets. See
Chad or Barb by 3 today!!

§ § § § §

§ § § § §

THESIS PRESENTATION - "Reciprocal
Differences, Variability & Implication to Potato
Production from True Seed of Tuberosum x
Phureja" - by Abderrahman Hilali - Tuesday,
October 15, 10 a.m., 394 AlderH.

§ § § § §

PAPER TO BE DISCUSSED at the Tuesday Stress
Physiology Forum Club is "Infrared Spectroscopic
Study of the Gel to Liquid-Crystal Phase
Transition in Live Acholeplasma laidlaivii Cells"
by Cameron, et al. See you at noon October 15,
Student Center, for lunch & lively debate (this
paper is a good one!!)

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol 5 #85 - October 18, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCTOBER 21-25

- MON - Monday Night Discussion - Exam Question Discussion - 7:30 p.m., Fireplace Room, McNeal Hall. After-session -- SURPRISE
- TUE - Departmental Coffee Hour - 9:30 a.m., 394 AlderH. Treaters for the day are P. Hencir & J. Hopkins
- WED - Hort 8063 - Discussions in Horticultural Plant Breeding - 9 a.m., 398 AlderH
- Departmental Seminar - "Gardens in Europe - Historical Developments" - by Dr. Karl Schonhaler, Inst. of Landscape Architecture & Horticulture, Ag University of Vienna
- Hort Club Annual Fall Picnic - 5 p.m., Headhouse
- THUR - Plant Physiology Seminar - "Tubulin Genes in Chlamydomonas & Higher Plants" - by Carolyn Silflow, Department of Genetics & Cell Biology, 3 p.m., 335 Borlaug Hall

MARK YOUR CALENDARS now for the annual Hort Club/Department picnic. The picnic will at 5 p.m. on Wednesday at the headhouse. All are welcome for food & fun. See you there!!

§ § § § §

PLANT GENETICS DISCUSSION Group will meet at noon in 398 AlderH on Wednesday. This week's topic is entitled "Stebbin's Soapbox". For references see Scientific American 1985, 253:72-82 & Science 1966, 152:1463-1369.

§ § § § §

PERSONS WHO have worked in Dr. Brenner's lab (room 321, 327 & 326) should be forewarned that after October 25, 1985, all unidentified items, or items not displaying name & date will be discarded.

§ § § § §

David A. Kurtz of Pennsylvania State University, speaking at the annual meeting of the American Chemical Society in St. Louis, revealed that

horticulturists who work in the nude typically pick up 16 times more pesticides than those who wear clothes.

Submitted by one of our colleagues

§ § § § §

ANOTHER FAMILIAR FACE to several of us in the department is visiting here today. Dick Rideout is wandering the halls so if you see him stop him & say hi!!

§ § § § §

TWIG HEARD AGAIN that there will be a party for new & old students at Wilkins' (2161 Doswell) tonight at 7:30 p.m. Come one, bring all -- lots of cheese, crackers & etc. (BYOB)

§ § § § §

Happiness is not a matter of good fortune or worldly possessions. It's a mental attitude. It comes from appreciating what we have, instead of being miserable about what we don't have.

§ § § § §

HALLOWEEN IS COMING!! All are invited to a costume party on November 1 starting at 8 p.m., at 1919 Malvern.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol 5 - #86 - October 25, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCT 28 - NOV 1

- MON - Monday Night Discussion - "ABA Metabolism by Glycine max Seed Coats & Cotyledons" - by Susan Stombaugh. Fireplace Room, McNeal Hall, 7 p.m. After-session at J. & B. Bartz's, 1975 Autumn Street
- TUE - Departmental Coffee Break - 9:30 a.m., 394 AlderH. Treats this week will be prepared by R. Ratasky & S. Munson
- WED - Hort 8063 - Discussions in Horticultural Plant Breeding, 9 a.m., 398 AlderH
- Departmental Seminar & Plant Phys Thursday Seminar - "Inhibition of Carcinogenesis by Minor Dietary Constituents" - by Dr. Lee Wattenberg, 3 p.m., 335 Borlaug Hall. NOTE: Time & Place difference.
- Hort 2010 - 4 p.m., 394 AlderH

THE JOURNAL CLUB will meet in room 207 (Student Center) on Tuesday, October 29 at noon. This week's paper for discussion is "Changes in Adenylate Nucleotide Levels in the Leaves of Capsicum annuum During Water Stress" - J. Plant Physiol. 120:111-122 (1985).

§ § § § §

MISSING - The manual for Superfile from the computer room. Please return this binder for everyone to use.

§ § § § §

BUILDING SECURITY -- Please remember to close any window you may open & be sure office & lab doors are locked evenings & weekends. Thanks

§ § § § §

SHORT COURSE ON LANDSCAPE PLANNING FOR HOMEOWNERS - Be ready for spring: Develop a landscape plan for your home this fall with the class "Create a Landscape Plan for your Home," sponsored by the arb. The class will be held on 4 consecutive Tuesdays beginning October 29 from 7:30-9:30 p.m. at the arb's learning center. It will cover the practical aspects of functional landscape design, introduce you to basic design principles, & present you with information on some of the most useful landscaping plants for the Upper Midwest. By the last session you will have developed a plan tailored to the needs of your own household. For registration info call the arb. Instructor: Peter Olin.

§ § § § §

THIS WEEK'S PLAN for Hort 2010 is a brainstorming session. What do you think horticulture will be like in the future. Social/cultural, economic, scientific, & horticultural areas will be explored. Everyone is welcome to join us on Wednesday, October 30 at 4 p.m. in room 394 AlderH. Note time change.

§ § § § §

OUR LATEST MS DEGREE RECIPIENT is Bonnie M. Nelson. Bonnie completed her degree requirements on Tuesday, October 22.

§ § § § §

DOES ANYONE BELONG to the azalea plant in the floriculture cooler (headhouse)? The lights have been turned off in the cooler & your azalea will be tossed if not claimed immediately. Questions? See Neil Anderson or Barb Fick.

§ § § § §

CONGRATULATIONS to Georgianna Smith & Geoff Bloom who have been awarded scholarships by the Trans-Mississippi Golf Association for the 85-86 year.

§ § § § §

"HEDEROCHROMATION: Molecular Arrangement & Evolution" will be the topic for the Plant Genetics Discussion Group on Wednesday, October 30 in room 398 AlderH at noon. Papers which will be helpful for this session include the Stebbins articles from last week & a general review on heterochromation (Ann. Rev. Genet. 1980, 14:121-144).

§ § § § §

Behind every successful man stands a surprised mother-in-law.

§ § § § §

VOL. III for Halevy's Handbook of Flowering collection is gone from HFW's office. Please return! Also Liatris file is still missing.

§ § § § §

EXTEND/AES-ACCOUNTING MOVES - On 10/28 & 29, Accounting will be moving to the space now occupied by Extend in 415 Coffey Hall. EXTEND will move to 475 Coffey Hall to be integrated with the rest of the computer information systems staff. During the time period of 10/25-29, it may be difficult to reach them by phone due to the scheduled phone work. Their office files will also be boxed up & in transition & the staff moving. Please be patient with them during the move. Thanks.

§ § § § §

PUBLICAITONS:

"Translucent Tissue Defects in Solanum tuberosum L.) I. Alterations in Amyloplast Membrane Integrity, Enzyme Activities, Sugars & Starch Content". J.R. Sowokinos, E.C. Lulai & J.A. Knoper. Plant Physiol. (1985) 78:489-494.

"Translucent Tissue Defects in Solanum tuberosum L. II. Alterations in Lipolytic Acyl Hydrolase, Lipoygenase & Morphology of Mitochondria & Amyloplasts. J.R. Sowokinos, E.C. Lulai & J.A. Knoper. Plant Physiol. In Press.

§ § § § §

There is no medicine like hope, no incentive so great, & no tonics so powerful as expectation of something better tomorrow.

O.S. Marden

§ § § § §

!! OVER - OVER - OVER !!

§ § § § §

LET YOUR IMAGINATION run wild & come to a Halloween cosume party on Friday, November 1 starting at 8 p.m. The venue is Barbara's house at 1919 Malvern (SW corner where Roselawn & Malvern intersect).

§ § § § §

GARDEN PLOTTERS - Time to begin the clean-up process in the garden. John Schoenecker will try to warn us of the exact plowing date, but the work order is being sent in. Any questions/problems -- see Chad.

§ § § § §



§ § § § §

IBM PC USERS: We are considering purchasing dust covers to protect the IBM PCs & printers in the computer labs. This is a wise investment for all that have a dusty office or live below labs or bathrooms with potentially leaky pipes. The cost for a 2 cover set is \$11.95 if 3-15 are purchased & \$9.95 for more than 15. If you are interested please let Bud Markhart know by October 30 so the bulk order can be placed.

§ § § § §

HOLIDAY PARTY - Put on your thinking caps, it's time to start thinking about the holiday party. What did you like or dislike about last year's party? Due to the overwhelming success of the party last year, we will most likely try to put together a similar production. Look for notices. We'll need lots of help again this year. Send comments & suggestions to Mr. Ad Hoc c/o C. Finn. Thanks.

§ § § § §

! Have a Good Week !

TWIG-BENDER

Vol. 5 - #87 - November 1, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - NOVEMBER 4-8

- MON - Exam Question - Pick up your question from Laura - 8 a.m. to 4 p.m., 394 AlderH
- Monday Night Discussion - Roundtable Discussion: Dr. Wilkins (chair), Dr. Luby, Ms. Nassauer: Is There Life After Graduation? 6:30 p.m., - NOTE TIME CHANGE - Fireplace Room, McNeal Hall. After-session at Peter Velguth's, 2072 Como Avenue after the Hamm Memorial Lecture
- TUE - Special Staff Meeting re: Departmental Procedures - 8:30 a.m., 394 AlderH
- Departmental Coffee, 2:30 p.m., 394 AlderH - This week's treats generously provided by J. Murray & R. Burrows
- WED - Departmental Seminar - "Inheritance of Economically Important Traits in Blueberries" - 4 p.m., 415 AlderH. Refreshments will be available prior to each seminar. Attendees are encouraged to arrive early & take part in informal discussion
- THUR - Plant Physiology Seminar - "Some Factors Controlling Partitioning & Export of Carbon" - by Donald R. Geiger, Department of Biology, University of Dayton, 3 p.m., 335 Borlaug Hall

HAMM MEMORIAL LECTURE - "Plant Cell Culture & Biotechnology: Roots to Crop Improvement" by Dr. Philip Vincent Ammirato, Department of Biological Sciences, Barnard College, Columbia University New York; Plant Biotechnology Corporation, Cinnaminsin, NJ - 7:30 p.m., Earle Brown Center. Part of the program includes the presentation of the Philip C. Hamm Memorial Graduate Student Scholarship Award to Mr. Jeffrey Schussler from our department. Congratulations - Jeff.

§ § § § §

HORTICULTURE SEMINAR CHANGE - The seminar for 11/6 will be given by a blueberry breeder named Jim - but instead of Dr. Jim Hancock, it

will be Dr. Jim Luby. Dr. Hancock's seminar has been rescheduled for February 13, 1986.

§ § § § §

Here's an amazing shortcut for cleaning silver. Lay a piece of aluminum foil in the bottom of a dishpan & add 2 quarts of warm water, 2 tablespoons salt & 2 tablespoons baking soda. Dunk the silverware into the water, touching each piece to the foil, & the tarnish will disappear.

§ § § § §

TIME CHANGE for the Plant Breeding Discussion Group - Thursday noon in 398 AlderH. This week's topic: "Diploid & Polyploid Gametes in Crop Plants" -- paper posted across from mail boxes or see Todd Perkins.

§ § § § §

CONGRATULATIONS to the Hunsperger family on the latest addition - Heather Marie arrived on October 12, tipping the scales at 7 lbs 5 oz.

§ § § § §

ONE CAN OF TEN LB Rapid Grow-Fertilizer which was part of a shipment of 2 cans & was delivered about 2 weeks ago seems to have walked away with its packing slip. Please -- if you see the can roaming the halls send it to Dr. Stadelmann, 228 AlderH. Thanks.

§ § § § §

MEMORIAL CONTRIBUTIONS for the Xerox machine are now being accepted by Laura. We are planning on finding some champagne to celebrate the arrival of the new one when it gets here.

§ § § § §

IS ANYONE MISSING the book "The Integument of Arthropods" by A.G. Richards? It has been sitting in room 452 for many weeks.

§ § § § §

THE LONGWOOD GRADUATE Program in Public Horticulture is now accepting applications for Longwood Fellowships for the class of 1986-88. For more information see the posting in the back hallway.

§ § § § §

!! OVER -- OVER -- OVER !!

§ § § § §

Paul Read's comment on passing the building site for housing retired U of M teachers -- "Old professors never die, they just lose their faculties".

§ § § § §

NEEDED: A small, portable, mechanical typewriter in good working condition. Willing to buy. See Ed Stadelmann.

§ § § § §

FALL QUARTER FACULTY Assembly agenda items are due into the Dean's office no later than Monday, November 18.

§ § § § §

DON'T FORGET - Hort 2010 - 3-3:45 p.m., Wednesday, November 6, 394 AlderH.

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§ § § § §

PUBLICATIONS --

Hoover, E.E., M.L. Brenner & P.D. Ascher. 1985. Comparison of Development of Two Bean Crosses. HortScience 20(5):884-886.

Livingston, W.H., R.A. Blanchette, M.L. Brenner, & K.J. Zuzek. 1985. Effective Use of Ethylene-Releasing Agents to Prevent Spread of Eastern Dwarf Mistletoe on Black Spruce. Canadian Journal of Forest Research 15(5):872-876.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #88 -- November 8, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - NOVEMBER 11-15

- MON - Monday Night Discussion - "Cellular Determination: Its Relationship to Phase Changes in Hedera helix" - by Rick Stapfer. Fireplace Room, McNeal Hall, 7 p.m. After-session at Harold Wilkins', 2161 Doswell Avenue
- TUE - Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee - 2:30 p.m., 394 AlderH. Treats this week happily provided by B. Zimmermann & A. Economou
- WED - Departmental Seminar - "Effect of Temperature on the Regeneration Ability of Hyacinthus orientalis L. in vitro" - by Ms. Chi-June Ko. 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar. Attendees are encouraged to arrive early & take part in informal discussion
- THUR - Plant Physiology Seminar - "Enzymology of Lignin Biodegradation" - by Ronald I. Crawford, Gray Fresh Water Biology Institute. 3 p.m., 335 Borlaug Hall.

WELCOME to Mr. James Sleezer, Assistant Program Director at the Arboretum, & Mr. Richard Isaacson, Arboretum Librarian. Mr. Sleezer starts at the arb on Monday, November 18 & Mr. Isaacson will begin in early December.

§ § § § §

PLEASE CHECK your closets, pockets, drawers, nooks, crannies & any other place where the remote extension cords for the projectors could be hiding. Both of them are missing from the projectors & your colleagues need them. Thanks.

§ § § § §

A CERTAIN SOMEONE on the 2nd floor did not order the 54 gallon drum of Methanol. Chem Storehouse made the mistake. He's innocent & 2nd floor retains its good name.

§ § § § §

SPECIAL SEMINAR - "Food Crisis in Africa & Prospects for its Solution" - by Dr. Ermond Hartmans. A special presentation for interested

faculty, staff & grad students on Monday, November 11 at 2:30 p.m. in 135C Earle Brown Center. A reception for friends, colleagues & guests will follow the seminar.

§ § § § §

EDUCATIONAL DEVELOPMENT PROGRAMS Directory is now available for reference. See Laura if you are interested.

§ § § § §

NOTES FROM NASA - Remember those tomato seeds that were sent into space for 1 year? NASA & Park Seed Co. wish to inform you that because of payload reassignments, LDEF will not be retrieved until 9/86. This delay will not harm the seeds, it may even enhance the experimental return. Every effort will be made to have your seeds delivered beginning in spring 1987.

§ § § § §

THE MINNESOTA AG MANUAL 1985 will be given to seniors in the COA. The manuals can be picked up in the Career Services office in Coffey Hall.

§ § § § §

An automobile topped 60 miles an hour for the first time on November 16, 1901.

§ § § § §

PLANT GENETICS DISCUSSION GROUP -- will meet at noon Wednesday, November 13 in 398 AlderH. This week's subject will be "ADH isozymes & developmental regulation". Papers will be posted across from the grad p.o. boxes.

§ § § § §

THE LAND AG STUDENT PROGRAM, sponsored by Kraft, represents agriculture in Future World at EPCOT Center, Disney World. Guests travel through a series of greenhouses in which many of the world's most important ag crops, concepts & technologies are showcased. Six scientists with advanced degrees in ag engineering, agronomy, aquaculture, entomology, horticulture & plant pathology, & 17 additional professional ag staff, support programs in computer technology, integrated pest management, horticulture, plant cell & tissue culture, aquaculture & other areas. The Land Ag Student Program provides select students an opportunity to work in a unique & dynamic ag show. For more information on this exciting opportunity, see Paul Read.

§ § § § §

!! OVER - OVER - OVER !!

§ § § § §

WHOEVER LEFT their hat at Pete Velguth's house last Monday, check with Pete.

§ § § § §

DOES ANYONE have a shaker (for aerating cell suspension cultures) they would be willing to loan the cold hardiness group (temporarily)? Please contact Marna or Tseng (290) if you can help us out.

§ § § § §

VIDEO TAPES are available on reserve in the main library on the interview process.

§ § § § §

RAH - 2

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JUST A REMINDER to faculty that the office staff will not tell students your user number for the Xerox -- that is up to you. Please let your students know if they have access to the copier & what your user number is. Thanks.

§ § § § §

There is no medicine like hope, no incentive so great, & no tonic so powerful as expectation of something better tomorrow.

Orison Swett Marden

§ § § § §

PUBLICATIONS:

Hertz, Leonard B. & David K. Wildung. 1985. Weed Control in Northcountry Blueberry, with Pre-emergence Herbicides. Fruit Varieties Journal 39:34-37.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #89 -- November 15, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - NOVEMBER 18-22

- MON - Monday Night Discussion - "Factors Influencing Lateral Bud Outgrowth in Tissue Culture of Half-high Blueberries" - by Carol Hartley. After-session at Paul Read's house, 561 Rolls Road, New Brighton
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. This week's treats will for sure be provided by K. Louis & C. Rosen
- Consultative Committee, 3:30 p.m., 398 AlderH
- WED - Department Seminar - Drs. Davis, Li, Pellett & Read - Panel discussion on their views of Chinese horticulture
- THU - Plant Physiology Seminar - "Gene Regulation with a Focus on ADH-1 of Maize" - by Michael Freeling, Department of Genetics, University of California, Berkely

\$5/ORDER CHARGE will be assessed to your budget by the Purchasing Department for all orders other than emergency repair services & parts if you call in for an emergency p.o. number. An alternative (no charge) way to purchase items under \$2000 quickly is for our accounting office to complete the Quik Order form & you carry it over to purchasing. Please keep your budget in mind when considering an emergency order.

§ § § § §

HAZARDOUS WASTE DISPOSAL SERVICE -- Effective immediately all individual containers of waste chemicals must be clearly labeled to identify their contents. A grace period to December 31, 1985, has been designated to allow sufficient time for this procedural requirement. After 12/31/85, Chemical Waste Disposal personnel will refuse to pick up chemical waste containers not individually marked. This is our last opportunity to get rid of old unlabeled, unknown chemicals & to learn to correctly label the containers. If you still have unwanted or unknown chemicals to dispose of, now is the time to do so. For further information contact M. Hibberd.

§ § § § §

POSITIONS AVAILABLE -- Temporary research & teaching positions in the College of Forestry, UofM. Check the MS & PhD job books for more information.

§ § § § §

Experience is knowing a lot of things you shouldn't do.

§ § § § §

DR. HAROLD PELLETT has recently returned from Oklahoma State University where he was a part of the team that reviewed their horticulture department.

§ § § § §

A TOTAL OF 100 postdoctoral awards are available from the Agricultural Research Service for 1986 under a program designed to attract recent PhD recipients to ag research. For more info on the Postdoctoral Research Associate Program, contact: Charlene M. Russ, ARS, Personnel Division, Rm. 333, Bldg. 003, BARC-W, Beltsville, MD 20705. Telephone: (301)344-2796.

§ § § § §

The first horseshoe-manufacturing machine was patented on November 23, 1835, by Henry Burden of Troy, NY.

§ § § § §

THE IBM-PC Reservation Book has been updated & placed in the computer lab. Revised guidelines for computer use are in the back of the binder -- please make sure you are familiar with them.

§ § § § §

HORT 2010 will meet on Wednesday, December 4.

§ § § § §

PLANT GENETICS DISCUSSION GROUP will meet at noon, Wednesday, November 20, 398 AlderH & discuss -- Dwarfism in Pisium (Planta 1984 160:455-463).

§ § § § §

PUBLICATIONS: Potato Physiology, edited by Paul H. Li, with a foreword by C.J. Weiser. November 1985, 506 pp., in preparation/ISBN: 0-12-447660-0.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol 5 - #90 -- November 22, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - NOVEMBER 25-29

- MON - Monday Night Discussion - "In vitro Clonal Propagation of Aesculus x arnoldiana 'Autumn Splendor' - by Ben A. Bergman, 7 p.m., Fireplace Room, McNeal Hall. After-session at Hoover/Luby's, 1416 N Pascal Avenue, St. Paul
- TUE - Plant Physiology Seminar - "Effects of Low Temperature on Zea maize Germination & Seedling Development" - by Bruce Orman, 9 A.M. 306 Borlaug Hall. Note time & day change for Plant Phys seminar this week
- Departmental Coffee, 9:30 a.m., 394 AlderH. This week's goodies gladly provided by E. Hoover & F. Lauer
 - Graduate Faculty Meeting, 10:15 a.m., 394 AlderH
- WED - Departmental Seminar - "Land Management Study for the Arboretum & Horticultural Research Center" - by Lawrence Decker, Barton-Aschman Associates - 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar. Attendees are encouraged to arrive early & take part in informal discussion
- THUR - Thanksgiving
- FRI - University Holiday

COLLEGE OF AG COMMITTEE ASSIGNMENTS:

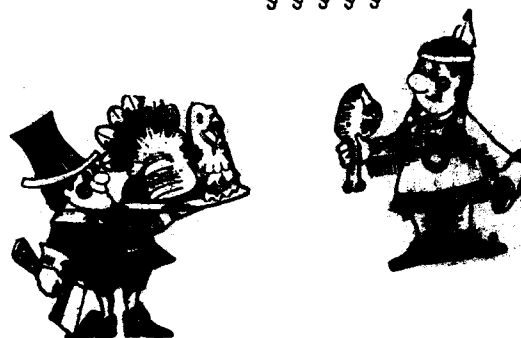
Members of this department serving on COA committees include - Career Services Advisory Committee - Joan Nassauer; College & University Honors Committee - Ruth Harter; Relationships with Prospective Students Coordinating Committee - Ann Rabaey; Single Quarter Leave Committee - Leonard Hertz; Teaching Improvement Committee - Bud Markhart; Curriculum Committee - Bob Mullin & Paul Read.

§ § § § §

IF YOU MISSED THE ANNOUNCEMENT at this week's Monday night discussion, here's the

info regarding a policy change. The procedure for continuing on from an MS into a PhD may be changed to involve: 1) the submission of 3 letters of recommendation from faculty on the MS committee; 2) the student submitting a written statement that delineates motivation & reason for admission to the PhD program. If you have comments/reactions to this, talk to John Murray, Barb Fick, Neil Anderson or Carol Wylie. We will give the consensus of the grad students at next week's session.

§ § § § §



§ § § § §

FOR AN UPDATE on the contribution of food crops horticulture in China, be sure to see the December issue of Scientific American.

§ § § § §

UNIVERSITY VEHICLE INSURANCE has been increased to approximately \$560/yearly from last year's annual charge of \$174/vehicle, effective 8/1/85. For a few more details see the memo posted in the back hall.

§ § § § §

AGRO 8220 (Application of Quantitative Genetics to Plant Breeding) was omitted from the Winter 1986 Class Schedule, but this class will be offered. The call # is 583951, & it meets MWF 10-10:45 a.m. in 401 Agronomy.

§ § § § §

THE FREDERICTON RESEARCH Station of Agriculture Canada has a position for a Visiting Fellowship in Biotechnology. This position is for 1 year & is open immediately. Paul Read has more information regarding the position if you're interested.

§ § § § §

The safest way to double your money is to fold it in half & put it back in your pocket.

§ § § § §

DON'T KNOW WHAT to give that person who has everything for Christmas? Consider giving a membership to the Minnesota Landscape Arboretum. Membership in the arboretum is a year-round gift. Arboretum memberships are \$30/year for families (2 cards issued), \$20 for individuals (1 card issued). At the \$50 contributing level members may bring in guests free of charge. To give a gift membership call the arb & ask for the membership forms. A gift announcement to the recipients along with their new membership card will be sent from the arb.

§ § § § §

AG EXTENSION SPECIALISTS - You are invited to join the MN Association of County Agricultural Agents. The membership rules have been changed so all professional employees interested in agriculture can join. For more information contact Roger J. Larson, President, MACAA, Courthouse, Montevideo, MN 56265.

§ § § § §



The Eskimos have 12 words for "snow."

§ § § § §

DR. PAUL LI has been awarded a grant-in-aid of research effective immediately from the Graduate School. Congratulations.

§ § § § §

DON'T FORGET about the hazardous waste disposal opportunity available to us until December 31. Be sure to take advantage of this grace period & have your old chemicals removed. Margaret Hibberd will be happy to answer your questions/concerns.

§ § § § §

HOLIDAY PARTY - The holiday party will be December 14, 1985, 5:30 p.m. at the arb. It worked so well & was so much fun last year we decided to try it again. Please remember that Chad is the social committee so he will need lots of help. Sign up sheets are in the back hall so please sign up. More info will be in Twig as the party date gets closer.

§ § § § §

THE FINN/WYLIE/LENTZ household will be losing a roomie December 31st. If anyone is interested or knows of new grad students coming in who might be interested in a place, see Chad.

§ § § § §

MISSING - Small fruit production reference file. This file was on the shelves under the faculty mailboxes. It contains lots of extension bulletins plus my "Compendium of Strawberry Diseases". If you've seen it please return it to me. Thanks, Chad.

§ § § § §

!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol 5 - #91 -- November 27, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DECEMBER 2-6

- MON - Monday Night Discussion - "Developing a Hypothesis on Control of Branching in Euphorbia pulcherrima" - by John M. Dole. 7 p.m., Fireplace Room, McNeal Hall. After-session at Mannings
- TUE - Annual Department Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee - 2:30 p.m., 394 AlderH. This week's treats will be cheerfully contributed by K. Edberg & M. Hosier
 - Consultative Committee, 3:30 p.m., 394 AlderH
- WED - Departmental Seminar - "Effect of Air vs Soil Temperature Regimes on Growth & Development of Cyclamen persicum" - 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar, come early & take part in the informal discussion
- THUR - Plant Physiology Seminar - "Large Double Stranded Viruses of Eucaryotic Green Algae" - by James VanEtten, University of Nebraska, 3 p.m., 335 Borlaug Hall

NOTES FROM CHAD - The Department of Horticultural Science & Landscape Architecture Holiday Party will be December 14, at 5:30 p.m. at the arboretum. It worked so well & was so much fun last year we decided to try it again. Please remember that the social committee consists of me, myself & I, so I will need lots of help. The help sign-up & potluck sign-up lists were posted last week, please sign-up ASAP. Thanks.

IMPORTANT INFO:

Who: Everyone - faculty, civil service, undergrads, research station staff, arb staff, grad students, plus family & friends.

Where: Arboretum

When: December 14, 1985, 5:30 p.m.

How Much: \$5/adult (believe it or not, Scott Aker counts as an adult). Pay Kathy Lloyd or me.

What: Potluck supper, with traditional holiday fare, White Elephant gift exchange, dancing, SOCIALIZING, hopefully we can twist someone's arm & get some singing accompanied by a guitar, & anything else your little heart desires.

What You Should Do Today: Sign-up to help us out in any way you can & sign-up on the potluck list (s).

Questions/comments/suggestions: See me or drop a note in my box. Thanks.

§ § § § §

HOLIDAY OFFERINGS AT THE ARB - A series of classes designed to help you spruce up your home for the holiday season will be offered this December at the arb. For registration info call them.

Tuesday, December 3 - Deck the Halls & Trim the Mantle -- Come watch the best flower arrangers in the Twin Cities create holiday arrangements for the home. Members of the St. Paul Garden Club, Federated Garden Clubs of Minnesota, Minnesota State Horticultural Society, & Lake Minnetonka Garden Club will show you how to use flowers to decorate for the holiday season. Refreshments will be provided. Class meets from 1-3 p.m. in the Snyder Building. Fee is \$8/members & \$12/nonmembers.

Wednesday, December 11 -- The Fragrances of the Holidays -- Delightful scents can add a new dimension to your home over the holidays. Learn how to incorporate fragrances into your home using plants, potpourri, balsam pillows, & other decorations. Instructor: Theresa Mieseler. Class meets from 1-3 p.m. in Classroom 2. Fee is \$6/members, \$8/nonmembers.

Tuesday, December 17 - Boxwood Trees -- Create a small topiary tree from fresh boxwood sprigs. The boxwood tree will adorn your home during the holiday season & can be decorated later in many ways. All materials will be provided but please bring your own pruning shears. Instructor: Janet Sinner. Two sessions: 10 a.m.-noon & 1:30-3:30 p.m. Class meets at the arb's learning center. Fee is \$9/members, \$12/nonmembers.

§ § § § §

!! OVER - OVER - OVER !!

§ § § § §

Ignore insults. If you can't ignore 'em -- top 'em. If you can't top 'em -- laugh 'em off. If you can't laugh 'em off -- you probably deserved 'em in the first place!

§ § § § §

SINGLE QUARTER LEAVE applications are due in the Dean's office on Thursday, December 5.

§ § § § §

MEMO FROM DEAN ALLEN - Thank you for the 5 year faculty plans. I am in the process of reading through them. I hope they prove to be useful to everyone. If you believe they are a waste of time, please let me know. I sense, however, that the faculty have thought about some items in ways that they may not have without these.

§ § § § §

QUESTION OF THE WEEK - What is a rep? (Hint: This serious problem is to be discussed at a forthcoming meeting of a national society. Submit your answers [& guesses] to Paul Read & they'll be published [& the crucial rep definition] in a subsequent Twig.

§ § § § §

WELCOME TO THE DEPARTMENT - Dr. Jan Marc will be working with Wes Hackett for the next several months.

§ § § § §

A FAMILIAR FACE to most of us here has been around this past week putting the final touches on his thesis. Anyone who hasn't said hello to Butch Petersen better hurry up, he will be leaving this Friday for the Islands.

§ § § § §

Ball-bearing roller skates were patented on December 9, 1884.

§ § § § §

BRONDA HARRISON passed her final exam yesterday (11/26/85) & is the department's latest MS degree recipient. Congratulations.

§ § § § §

TOUR OLD DUTCH Potato Chips Tuesday, December 3 at 1 p.m. Sign-up with Shirley Munson.

§ § § § §

§ § § § §

CONGRATULATIONS to the following department members whose projects received grants from the Horticultural Research Institute: H.M. Pellett & Susan Moe, Karl Junginger Research Grant for "Development of High Quality Cold Hardy Viburnums"; H.M. Pellett & Susan Moe, Allen Helmich Research Grant for "Breeding of Azaleas Tolerant of Northern Climates"; H.M. Pellett, Susan Moe & Ken Vogel, Richard P. White Research Grant for "Development of Lonicera Resistant to the Honeysuckle Witches Broom Aphid"; & H.M. Pellett & W.P. Hackett, Richard P. White Research Grant for "Optimizing Environmental Conditions for Softwood Cutting Propagation".

§ § § § §

MORE NOTES FROM CHAD -

Missing -- Horticultural Science by Jules Janick (white covered edition) was loaned out quite a while ago & has not returned. If you have it please return it to me. Thanks.

The Finn/Wylie/Lentz household is still looking for a new room mate as of 12/31/85. If anyone is interested or knows of new grad students coming in who might be interested in a place to live, see me. We are looking for a male or female who's easy going. We have a single room in a duplex, approximately 1.25 miles from campus on Carter Avenue, \$160/monthly + utilities (averages out to about \$40). Call 645-5620.

§ § § § §

ON BLESSING THIS MESS - (or What to Think About at Future Staff Meetings) - After a U.S. Senate session that lasted from 9:15 a.m. Friday, until 3:43 p.m. Saturday recently, the Rev. Richard H. Halverson soothed the frayed nerves of sleepy senators with his opening prayer as the Senate resumed work just after noon Saturday: "Father in heaven", he began, "with unbounded gratitude we praise Thee for the incredible political system we inherited from our forebears. It is slow, tedious, inefficient; it tries our patience, sets our nerves on edge, frustrates us, rouses our anger & exhausts us; but we would not trade it for any other system". -- Special from the New York Times

§ § § § §

!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol. 5 - #92 -- December 6, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DECEMBER 9-13

FINALS WEEK

- MON - Ag Extension 4-H Summer Assistant
Position Informational Open House,
110 Student Center, 3-5 p.m.
- TUE - Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee - 2:30 p.m.,
394 AlderH -- This weeks gladly
given by R. Serres & D. White

SERVING HOURS DURING QUARTER BREAK -

The Grainery & Cherrywood Room Cafeterias
will be open for lunch service through Friday,
December 13. The center will be closed
December 16-January 3, re-opening Monday,
January 6. The Terrace Cafe will remain open
during break, hours are 7 a.m. to 2:30 p.m.,
closed weekends & University holidays. The
Earle Brown Center Pumpkin Cafe will close
after lunch on Friday, the 13th & re-open on
January 6.

§ § § § §

SPECIAL FACULTY MEETING is scheduled for
Tuesday, December 17 at 3:30 p.m. in room
394 AlderH. The purpose of this meeting is to
continue work on the procedures & guidelines
document.

§ § § § §

SIGN-UP FOR WINTER QUARTER on-campus
recruiting will be held Friday, January 10, 1986
from 12 noon to 3 p.m. in 125 Coffey Hall. At
that time, seniors will have the opportunity to
sign-up for interviews for full-time employment.
Sign-up for PEP interviews will be held
Thursday, January 9, 1986 from 12 noon to 3
p.m. in 125 Coffey Hall. If undergrads are
interested in PEP, they should stop by Career
Services to pick-up an application. Completed
applications should be returned to Career
Services, 272 Coffey, before students leave
campus for the holidays. Ag Extension has 4-H
Summer Assistant positions available. An infor-
mational open house on December 9, from 3 to
5 p.m.

§ § § § §

NEEDED: Slides/pictures for the new graduate
bulletin. Please submit (on a loan basis)
candidate material -- which depict people,
activities, facilities, etc. illustrating various
aspects of our programs. Thanks -- JFB

§ § § § §

NSF ANNOUNCEMENTS - The NSF Bulletin
provides monthly news about NSF programs,
deadline dates, publications, meetings, &
sources for more info. You will find the most
current issue posted on the bulletin board in
the back hall as they arrive in the department.

§ § § § §

ON THURSDAY, December 19, Shuby will be
singing at the Coffee House Extempore, 325
Cedar Avenue S, at 8 p.m., with her trio,
"Trillium". Tickets are \$4.50. Shuby is a
multi-talented former graduate student from
this department.

§ § § § §

ACCOMMODATION WANTED - Jan Marc is
looking for a 1 bedroom apartment, preferably
furnished, near campus. Please leave a note
in his p.o. box, room 230, or phone 6-1271.
Thanks.

§ § § § §

A GENTLE REMINDER to faculty who have not
as yet turned in experiment station progress
reports, please do so. The deadline was
December 1. Thanks.

§ § § § §

WHEN LEAVING a departmental vehicle at the
greenhouse, please remember that at this time
of year, you should leave the gas tank at least
1/2 full.

§ § § § §

WHO THINKS THESE UP? It's funny, but it
works --

Take your house number & double it
Add 5
Multiply by half a hundred
Add your age
Add the number of days in a year
Subtract 615

The last 2 figures will be your age
The others will be your house number

!! OVER - OVER - OVER !!

§ § § § §

HOLIDAY FESTIVAL WEEKENDS PLANNED AT THE ARB - Holiday festival activities will take place at the arb from noon to 3 p.m. the next 2 weekends. Programs & activities on both weekends are designed to get you, your family & your home prepared for the holiday season. Demonstrations will teach you how to make an herb wreath, care for holiday plants, provide a holiday treat for the birds & arrange flowers for the holidays. Tour the Festival of Trees in the auditorium, where 19 Christmas trees decorated for the season with natural materials will be displayed. Enjoy the invigorating outdoors with sleigh rides, offered all afternoon both weekends for a small charge. Then enjoy a special treat in the Tea Room & finish your holiday shopping at the arb's Linden Tree Gift Shop. Kids can stop in at the Christmas Critter Booth on Saturdays, from 12:30-2, to create their own peanut elf or pine cone creature to take home. Cones, peanuts, seeds, & nuts will be provided, as well as pipecleaners & glue. Holiday decorations & music of the season provide the backdrop for the annual festivities.

§ § § § §

DRS. WIDMER & WILKINS have 2 excess muffle furnaces used for tissue ashing. If no one wants them, they will be put into inventory disposal.

§ § § § §

THE U.S.-ISRAEL Agricultural Research & Development Funds have announced a postdoctoral fellowship program promoting cooperative ag research between the U.S. & Israel. Applicants must be citizens of either the U.S. or Israel, & should have completed the requirements for the PhD within the last 3 years. Application for 1986 fellowships must be submitted to BARD by December 31, 1985. For applications forms contact: USDA/Office of International Cooperation & Development, International Research Division, Binational Programs, Room 4200 Auditors Building, Washington, DC 20250.

§ § § § §

§ § § § §

FOUND - A pencil. Identify & pick-up from Sonja Maki.

§ § § § §

DID ANYONE order watermelon seed from Asgrow? Or, does anyone know if Elattir ordered watermelon seed before he left? See DWD if you have any clues.

§ § § § §

THE COA has received an allocation of \$6800 for Educational Development Program (EDP) grants for the 1986-87 academic year. The purpose of EDP is to "stimulate & support collegiate, faculty, & staff efforts to enhance the quality of educational programs at all levels of instruction". Further info about EDP is contained in the EDP Directory located on Laura's desk. Application deadline is Friday, January 10, 1986.

§ § § § §

MORE NOTES FROM CHAD: The holiday party is quickly approaching! Although I hoped it would be different, as usual the sign-up lists haven't been filled & I haven't finished putting things together. So let's all make an effort to sign-up & I'll make an effort to get this show on the road. A reminder - the party is 12/14 at 5:30 p.m. at the arb, tickets are \$5/person (pay K. Lloyd or me), BYOB, & traditional fare pot-luck. Can't wait to see you there. Please sign-up for food & help soon. Thanks.

SKIING - The newly formed (as of 1 minute ago) HS&LA Downhill Ski Club will be traveling to Afton Alps (maybe Welsh Village) on Sunday, December 15. Anyone interested in joining this crazed bunch on a day trip should talk to me or drop a note in my box.

§ § § § §

!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol. 5 - #93 -- December 13, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DECEMBER 16-20

- TUE - Departmental Coffee, 9:30 a.m.,
394 AlderH -- This week's treats
provided by R. Shillo & P. Birnberg
- Staff Meeting - 3:30 p.m., 394
AlderH -- Continuation of Policies &
Procedures Guidelines
- THUR - Staff Meeting - 8:30 a.m. --
Continuation of Annual Meeting

DRY ICE DISPOSAL - Dry ice should not be
dumped into lab sinks for disposal. The extreme
temperature shock causes the sinks to crack
necessitating replacement. The approximate
cost to replace a sink is \$300. If this practice
continues, Physical Plant may find it necessary
to charge for the sink replacement.

§ § § § §

COOKIE EXCHANGE - In the delirium of the
holiday season, we nearly forgot our traditional
annual cookie exchange! The sign-up list for
who & what is up. Bring 10 dozen cookies for
exchange plus a dozen to sample.

§ § § § §

THIS SUMMER THE STUDENT CENTER Games
Room was redecorated & they would like to
show it off. The Games Room, in cooperation
with the Student Center Board of Governors
Hospitality Committee, has invited departments
to free bowling, billiards & refreshments. They
will reserve the facilities for us exclusively.
This is a great way for department folks to get
together in a fun & relaxed atmosphere.
Please contact Wade Dickey (3-1405) if
anyone is interested in getting a group
together. They will help with the details.

§ § § § §

THIS WEEK an announcement about the
Alderman Graduate Award in Horticultural
Science was placed in all faculty p.o. boxes.
Some have contributed to this award. We do
hope all of you will seriously consider a
generous contribution so that it can be
self-perpetuating.

§ § § § §

ANNOUNCEMENT OF PPI FELLOWSHIPS -
Fellowships of \$2000 each will be awarded to
deserving graduate students in Soil & Plant
Science. The awards will be made directly to the
student & no specific duties will be required of
recipients. Awards will be granted independent of
any assistantship or scholarship that the student
presently holds. Fellows will receive the grant over
& above any other funds. Deserving grad students
in soil & plant science are eligible. Priority will be
given to students majoring in soil fertility, but those
in soil chemistry, horticulture, crop physiology &
other areas related to plant nutrition will be given
every consideration. Application deadline is
February 1, 1986. Application forms available from
Laura Kalisch.

§ § § § §

INTERESTED IN TEACHING experience? TA
position(s) available for winter quarter in Hort 1036,
Plant Propagation. For more info talk to Paul Read.

§ § § § §

CONGRATULATIONS are in order for Mark Bennett.
He passed his final exam for the PhD yesterday.

§ § § § §

QUESTION OF THE WEEK - CORRECTION - The
Twig recently solicited responses to the question of
the week "What is a rep". It should have read
"What is a nep"? Your thoughtful & creative
comments are still being accepted by Paul Read &
the best definitions & guesses will be published in a
subsequent Twig.

§ § § § §

UROB - Undergraduate Research Opportunities
Program 1985-86 Awards deadline is February 3,
1986. The UROB offers financial support to
undergrads for research, scholarly, or creative
projects undertaken in partnership with a faculty
member. UROB is a highly competitive program, &
funding is based on the merit of the proposed
project. All full-time undergrads on the Twin Cities,
Duluth & Morris campus of the UofM are eligible to
apply. For application info see the poster in the
lobby.

§ § § § §

!! OVER - OVER - OVER !!

The pneumatic (air-filled) auto tire was patented on December 20, 1892.

§ § § § §

COMPETITION for the Torske Klubben Fellowship for UofM grad students to conduct research or study in Norway is announced. This program is supported by the generosity of the Torske Klubben, a Minneapolis luncheon club of men of Norwegian heritage devoted to promoting cultural & educational ties between Norway & the U.S. The announcement is posted on the grad student bulletin board.

§ § § § §

A PARTIAL GRADUATE School Tuition Scholarship for winter quarter, 1986, has been awarded to Ms. Cynthia Fellman.

§ § § § §

SPACE FOR PROJECT WOKSAPE Pilot Test Facility may be provided by Alderman Hall (room 310). The College of Agriculture will receive 16 PC's, 2 AT's, 4 printers, & related hardware & software to equip a pilot test facility. The equipment is scheduled for delivery sometime the end of December. Alderman Hall could provide the space that is large enough to accomodate the computers & students without crowding, only a minimum amount of remodeling would have to be done, & the location would be central to the departments on the north end of campus. As soon as a decision is made, the department will be informed.

§ § § § §

The Commodore Vanderbilt, the 1st streamlined steam locomotive, went into service on December 14, 1934.

§ § § § §

UROP project "Culturing North American Orchids", under the direction of Dr. P.D. Ascher, will be completed by Ms. Melinda L. Salisbury. Melinda is also the Ag Merit Scholar for horticulture this year.

§ § § § §

ONE LAST TIME (maybe) -- Overtime changes of civil service & union employees -- last week the Congress & the President approved legislation changing the Federal Fair Labor Standard Act's jurisdiction over public

employees, which includes the U. Effective immediately, compensatory time off in lieu of overtime payment is now permissible again.

§ § § § §

OPINIONS PLEASE -- The coffee machine is losing money for us. As I see it we have 1 of 2 options: 1) discontinue service; 2) raise coffee prices (cup & pot). Please let me know by next Friday what your thoughts are. Thanks -- Laura

§ § § § §

SHELVING MATERIALS AVAILABLE: Concrete patio blocks & pine boards for instant "grad student shelves" are free to interested persons willing to pick them up. Some used furniture (chairs, sofa, end tables) available for very small fee or best offer. Contact Joe Zagorski in the hort office, leave a note in his p.o. box, or call at 647-9397 immediately.

§ § § § §

CHAD'S CHATTER - Holiday Party!! By now I'm sure you've all been overwhelmed with memos about this festive event, so I won't drone on. I would just like to say that all of us who helped (& that includes about 1/3 of the department) are looking forward to an enjoyable evening at the arb. We hope some of you who are undecided will crank up the old car & join us whenever you can get there. We really would enjoy having 100% attendance. Please pay Kathy Lloyd or me by this afternoon so we can make purchases, otherwise pay Saturday (if for some reason you are too broke to pay \$5 please don't, but come anyway). For those of you who can't make it we wish you a happy holiday season & for those of you who will be at the party I can't wait to celebrate the holiday season with you, your family & friends.

Early reminder -- Valentine's day skit party will be Friday, February 14. Put on your thinking caps over break & we'll get back to you in January.

§ § § § §

IF YOU are still holding on to your CSRS progress reports, PLEASE turn them in now. Thanks.

§ § § § §

!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol. 5 - # 94 -- December 20, 1985
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DEC 23-27

TUE - Christmas Eve - University Holiday
WED - Christmas Day - University Holiday
THUR - University Holiday
FRI - Office Holiday

FRIDAY, DECEMBER 27 the office will be staffed with Ruth Harter only -- please be kind. The rest of the office staff will be using the extra floating holiday the University gave the civil service employees.

§ § § § §

BEST WISHES to Joe Zagorski who is leaving Minnesota for Pennsylvania today. Joe has been working in the office teaching us some of the finer details of our computers. We will miss him!

§ § § § §

PARKING AFTER 4:30 -- Parking Services has designated contract lot SC-167 as contract parking only, enforced 24 hours per day, seven days per week. Lots SC-168 & SC-169 have been resigned to indicate open parking for non-contract parking after 4:30 p.m.

§ § § § § §

HOW TO KNOW when you are getting old:

Everything hurts & what doesn't hurt, doesn't work

The gleam in your eyes is from the sun hitting your bifocals

You feel like the morning after & you haven't been anywhere

Your little black book contains only names ending in MD

Contributed by one of our favorite retirees & more to come!!

§ § § § §

ENVIRONMENTAL SCIENCE & Engineering Fellowships - Ten fellows will spend 10 weeks working as special research consultants with the Office of Research & Development (ORD) of the Environmental Protection Agency. The purpose of the fellowship program is to assist ORD in its

responsibility for identifying & assessing the significance of long-range environmental problems & opportunities. Prosepective fellows are expected to be postdoctoral to mid-career professionals, show exceptional competence in a relevent professional area, have a rather broad professional background, & have a strong interest & some experience in applying scientific or other professional knowledge toward identification & assessment of future environmental problems. Application deadline is March 10, 1986. For further information see the green flyer on the lobby bulletin board.

§ § § § §

PUBLICATIONS:

R.H. Zimmerman, W.P. Hackett, & R.P. Pharis, 1985. Three Hormonal Aspects of Phase Change & Precocious Flowering. Encyclopedia of Plant Physiology, Vol. 11, (N.S.), Hormonal Regulation of Development III, Role of Environmental Factors. R.P. Pharis & D.M. Reid, eds. Springer-Verlag, Heidelberg.

§ § § § §

"When Elephants fight the grass suffers" (Ovid)

§ § § § §

CHAD'S CHATTER - Please be sure to leave your holiday party recipe in my p.o. box. Thanks.

§ § § § §

HAPPY HOLIDAYS to everyone in the department. Be sure to drive carefully & bundle up if you plan on being outdoors.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #95 -- January 2, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JAN 6-10

- MON - Monday Night Discussion - "Developing a Hypothesis on Control of Branching in Euphorbia pulcherrima" - presented by John Dole. Fireplace Room, 7:00 p.m.
- TUE - Departmental Coffee- 9:30 a.m., 394 AlderH. Treats this week will be everyone's left-over Holiday treats they want to donate to a worthy cause. Feel free to bring whatever you want!!
- Special Faculty Meeting - 3:30 p.m., 394 AlderH
- THUR - Departmental & Plant Physiology Seminar - "Transition to Flowering in Sunflower" - by Dr. Jan Marc, Department of HS&LA, 3 p.m., 335 Borlaug Hall

WARNING - The teaching preparation & store room across from 172-4 in the headhouse was house-cleaned yesterday morning. All unidentified (name, rank, serial number) materials were placed in carts in the immediately adjacent hallway. On Friday, January 10, all unclaimed junk will be dumped. Claimed goodies can be returned to the room with owner's name & date. A specific section of shelving will then be assigned to owner. Thanks. -- Signed, The Grim Cleaner

P.S. We hope the mouse wasn't anybody's pet. It's no longer with us.

§ § § § §

JUST F.Y.I. - Wednesday, January 8, Physical Plant Operations will begin some remodeling work in the Incompatibility Lab on the 2nd floor. If you have dust allergies or anything like that you may want to take precautions.

§ § § § §

MN NURSERYMEN'S Association, Inc., will be hosting their 60th Anniversary Convention at the Hyatt Regency Hotel in downtown Minneapolis on Sunday, Monday & Tuesday. There will be several interesting panel discussions, trade show, job fair, our Hort Club is providing a large display & much, much more. A flyer describing the convention is posted in the lobby.

§ § § § §

REMINDER - Anyone who wishes to put an announcement of some sort into the ASHS Newsletter can give it to Deb Brown who is the designated correspondent to Mr. McAfee & the Newsletter.

§ § § § §

HAZARDOUS MATERIAL HANDLING VIDEO -- January 13 & 14 we will have a video tape on handling hazardous materials to help comply with training for the Minnesota Employee Right to Know Act (MERKTA). It is important that all faculty, staff, grad students & undergrad employees who handle hazardous materials in the lab, field or greenhouse see this. All showings will be in 394. Grad students will see it on Monday at 7 p.m., other showings will be Monday, January 13, & Tuesday, January 14, at 3:30 p.m. Please plan to attend one showing. Margaret Hibberd or Jim Luby can answer questions.

§ § § § §

SPECIAL FACULTY MEETING -- Scheduled for Tuesday, January 7, 3:30 p.m., 394 AlderH -- Final reading of Departmental Guidelines & Procedures.

§ § § § §

A CIVIL SERVICE staff meeting is scheduled for Wednesday, January 15, at 9 a.m. in 394 AlderH. If you have any agenda items see Mary Stuart.

§ § § § §

MINNESOTA FRUIT & VEGETABLE GROWERS Conference will be conducted at the International Market Square (old Munsingwear Building) west of downtown Minneapolis & just off of I-94 past the tunnel on January 9 & 10. A copy of the program will be with Jay Hopkins in the main office. If you plan to attend you should tell them when you register that you are from the horticulture department. It shouldn't cost you anything. If you have questions see Luke Waters.

§ § § § §

FOR SALE - '74 Dodge Dart Custom, AT, PS, AC, tint windshield, good body & tires, slant 6 (original head). Roomy enough for 6 football players in full gear, large trunk, 3-owner car, 18 mpg highway (7/85), under 60,000 miles, \$1300. Contact Phyllis Carlson at 646-4921 evenings.

§ § § § §

!! OVER - OVER - OVER !!

§ § § § §

ANOTHER SALE ITEM(S) -- 2 darling, Malamute/Black Lab puppies, 5 weeks old. Would like a home of their very own. See Martha in the main office if you are only slightly interested.

§ § § § §

PUBLICATON:

Carter, J.V. & M.L. Brenner. 1985. Plant Growth Regulators & Low Temperature Stress. Reprint from Encyclopedia of Plant Physiology New Series, Volume 11, Hormonal Regulation of Development III. R.P. Pharis & D.M. Reid, eds. Springer-Verlag Berlin Heidelberg.

§ § § § §

§ § § § §

A PARTIAL listing of the Directory of Financial Aids for International Activities is in the main office. If you would like to see the entire directory it is located in the International Agriculture Programs office in Coffey Hall.

§ § § § §

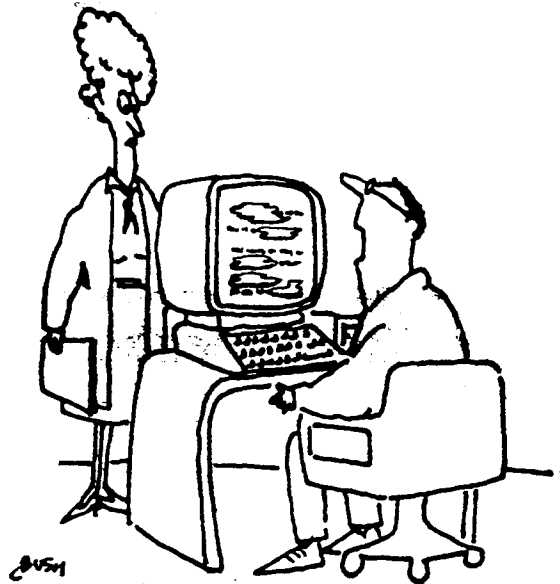
OLE'S CORNER - Hanga-burg: Beef patty served between 2 halves of a bun; standard fare at most fast food restaurants. "Hey Olga, d'ya vanna come vit ta Mac-N-Don's fur a hanga-burg an' fries?"

Summer: The 2 months when ice-fishing is not too good.

§ § § § §

Have A Good Week

ON
THE
LITE
SIDE



I WAS DOING JUST FINE UNTIL
I RAN OUT OF WHITE OUT!

TWIG-BENDER

Vol. 5 - #96 -- January 10, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JAN 13-17

- MON - Monday Night Discussion - Film on Right-to-Know Act & Pesticide Safety - 7 p.m., 394 AlderH
- TUE - Faculty Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee, 2:30 p.m. Treeters for the week are M. Piechowski & C. Fellman
- WED - Departmental Seminar - "Effects of Selected Antitranspirant Chemicals on Postharvesting Heating, Growth, & Aesthetic Quality of Kentucky Bluegrass (Poa pratensis L.) Sod" - presented by Abderrahman Osser, 4 p.m., 415 AlderH
- THUR - Plant Physiology Seminar - "Water Transport as a Factor Controlling Expansion Growth" - presented by Mark Westgate, ARS/USDA, NC Soil Conservation Lab, Morris, MN, 3 p.m., 335 Borlaugh Hall

FOLKS INTERESTED in a ski/potluck get-together, Saturday, January 25, at the Olson/Curran Asparagus & Cat Ranch in the beautiful & trendy ski area of Cushing, Wisconsin, contact: Dave Olson (aka, Sitzmark Master) Rm 137, 3-1876.

§ § § § §

CSRS REVIEW of Argonomy & Plant Genetics Department 1/27-1/31. Collaborative faculty are especially invited 1/30, 9 a.m., 306 Borlaugh. Complete schedule in the department office.

§ § § § §

ALL NEW OR RETURNED STUDENTS: Check the graduate student picture board. If your picture is not there & hasn't been taken recently, you must have a picture taken ASAP. Follow the instructions in your blue book & give the completed picture to Neil Anderson.

§ § § § §

PLANT GENETICS Discussion Group will meet in 398 AlderH, noon, on Thursday. Check the bulletin board for topic title & papers.

§ § § § §

AVAILABLE on loan through Hort Shop: January to mid-March, 20-40 channel copper constantan thermocouple data logger. Contact Dave Olson for details.

§ § § § §

INTERESTED IN VISITING a greenhouse which is heated with waste water heat? On Friday, January 17, Pi Alpha Xi is sponsoring a field trip to Hermes greenhouse range near Becker, MN. We will leave from the headhouse area at 1 p.m. & return for a chili dinner @ 4:30 p.m. Anyone & everyone, undergrad, grad, faculty, civil service, is invited to attend either or both events. FREE. Please sign-up by the mailboxes.

§ § § § §

INCOMPATIBILITY DISCUSSION (Hort 8061) will be meeting on Fridays in 398 AlderH at 11 a.m. All interested are welcome to attend. Those interested in participating for credit see Pete Ascher.

§ § § § §

BLUEBERRY PANEL JUDGES needed. Panels will be held on M,W,&F at 3 p.m. Interested people can sign up in room 369.

§ § § § §

SCHOLARLY PUBLICATION TRANSLATIONS:

As written: It is common knowledge in the field . . .

Meaning: I didn't bother to look up all the references.

As written: . . . of extreme practical importance.

Meaning: I found it interesting, you should too.

§ § § § §

WANTED: Empty boxes that hold 10 trays of glass vials used for radioactive samples. There are some old trays of vials that must be disposed of but Radioactive Waste Disposal will not take them away until the trays are in boxes. Please bring to "radioactive" lab on 2nd floor. Thanks -- Marna Ericson

§ § § § §

!! OVER - OVER - OVER !!

THE NATIONAL ACADEMY OF SCIENCES invites applications from American scientists who wish to make visits beginning 9/1/86-12/31/87, to the U.S.S.R., Bulgaria, Czechoslovakia, the German Democratic Republic, Hungary, Poland, Romania, & Yugoslavia. For more info see the posting in the lobby.

§ § § § §

ANNOUNCING - Second Annual Valentine Skit Party. Yep, folks! They promised me I could be the MC again this year, so start thinking up those award winning skits & Valentine treats again. This is your chance to exercise your dramatic talents. How about a presentation to that person who deserves to have attention called to his/her special accomplishment or ability. It's going to be held Friday, February 14 at 3:30 p.m. Any volunteers to help should see me, Mary Stuart, for info.

§ § § § §

FACULTY/STAFF Campaign of Minnesota Campaign matching component is still undetermined. Details of the match & whether or not it will be retroactive to January 1 are yet to be determined by the UofM Foundation & David Lilly's office.

§ § § § §

A PAPER SACK was left in Wilkins' office in which there is a slide viewer, a sack of slides & 2 batteries. To whom does it belong? CLAIM please!! Room 460.

§ § § § §

REMINDER FROM PAT: Those research assistants who have declared themselves exempt on their income tax forms must fill out & send in a new W-4 before 2/15/86 or they will automatically revert to non-exempt status. Forms available from Pat.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #97 -- January 17, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JANUARY 20-24

- MON - University Holiday
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. Treaters for this week are L. Hertz & E. Kuyper
- Consultative Committee, 3:30 p.m., 398 AlderH
- WED - Departmental Seminar - "Continuous Production of Chinese Cabbage" - by V.A. Fritz, Dept of HS&LA & Southern Exp Sta, Waseca - 4 p.m., 415 AlderH
- THUR - Plant Genetics Discussion Group, 12 noon, 398 AlderH
- Plant Physiology Seminar - John H. Palmer, School of Botany, University of New South Wales, Australia, 3 p.m., 335 Borlaug Hall
- FRI - Plant Hardiness Discussion, 12 noon, 398 AlderH. "Temperature Effects on Photosynthetic Electron Transport Rates" - by Kevin Niemi

Jr. Scientist BS

With gloves & white overalls
Beakers, test tubes, & poisonous chemicals
Its to the fields we head
To squirt them darn weeds dead.

At Becker its the coffee pot
Then a short lavatory stop.
Race past Glen & Bill
As we have gnats first to kill.

The wind will it blow.
Be buggered if I know.
Them clouds look like rain.
Our trip has been in vain.

Fresh berries & crisp apples
Shall sooth our stomach rattles.
Where's Phil, Ted or George -
And is this stuff safe for us to gorge?

Down to the greenhouse I go
Quite warm & friendly you know.
Where's Roger everone cries
Tom, Dick & Ken merely surmise.

But the axe has been dropped
And I've been chopped.
So Kiora & Haeri mai
Which translated means hello & goodbye!

Gary Hope
C U in godzone Aoeteroa -- Land of the long white cloud

§ § § § §

FACULTY who have openings for new grad students should contact Mark Brenner. Please indicate if an assistantship is available. Harold Wilkins will coordinate Graduate Fellowship applications for this year. All paper work for Fellowships must be ready for review by the GSC by February 3.

§ § § § §

THE DEPARTMENT'S newest daughter is almost 1 month old already. Amelia Noell Cheikh was born on December 21, weighing in at 6 lbs, 9½ oz. Her proud parents are Nordine & Katherine Cheikh -- congratulations.

§ § § § §

THE PAPER FOR Environmental Physiology Journal Club is:

Westgate, M.E. & J.S. Boyer. 1985. Carbohydrate Reserves & Reproductive Development at Low Leaf Water Potentials in Maize. Crop Sci. 25:762-769. Discussion lead by Jeff Schussler.

§ § § § §

MISSING ITEMS:

M.L. Brenner is requesting the return of the Typeface Manual that was borrowed long ago.

Someone else borrowed a never-been-used pipet pump from the seed lab in room 335 -- please return it. It is needed now.

§ § § § §

PLANT GENETICS Discussion Group will be discussing "GA biosynthesis & metabolism affecting phenotype" on Thursday noon in 398 AlderH. See the bulletin board for pertinent papers.

§ § § § §

§ § § § §

CHAD'S CHATTER: I want Holiday Party recipes!!
Put them in my p.o. box. Thanks.

§ § § § §

SHIRLEY MUNSON has received an update on
info about hotels/motels in the area via Jerry
Schmidt, Manager of Earle Brown -- also a
revised rate on 1986 summer housing in Bailey
Hall. She will be happy to share this info.

§ § § § §

FIFTH LAW OF UNRELIABILITY:

To err is human, but to really foul things up
requires a computer.

§ § § § §

ATTENTION: The large freezer (-80°) on the 2nd
floor is overflowing. Please check to see if you
have anything in there that could be transferred
to another freezer or thrown out so space will be
available for people who must use that freezer.

§ § § § §

§ § § § §

OLE'S CORNER--

Den: Then. "Furst it gets really shilly
in Minnesnowta . . . den it snows . . .den
effryting starts free-sing . . .Den yew
know vinter iss only a few munts away"!!!

Dey: They. "Down Sout', dey don't effer
really git serious 'bout vinter".

§ § § § §

VALENTINE SKIT PARTY UPDATE: Well, things
are definitely shaping up as far as skits are
concerned. The Hort Club has promised to
produce another one of their artistic triumphs. I
have also been promised that there will be one
presentation to a very deserving person. There's
still plenty of room for more skits. If you have
any questions see Mary Stuart.

§ § § § §

Have a Good Week!!

TWIG-BENDER

Vol 5. - #98 -- January 24, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JAN 27-31

- MON - Exam Question -- 8:00-4:30, 394 AlderH. Pick up your question from Laura Kalisch.
- Monday Night Discussion - Report & discussion on horticulture graduate curriculum revision. After-session at the Bartz's.
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. Treats by C. Carson & G. Fernandez.
- WED - Departmental Seminar - "Dynamics of Juvenile Growth Characteristics in Norway Spruce" - presented by Dr. Johan Ununger, visitor at NC Forestry Exp Sta, Rhinelander, WI, from Institutionen for Skogsgenetik, Uppsala, Sweden - 4 p.m., 415 AlderH
- THUR - Plant Physiology Seminar - "Sites of Gibberellin Biosynthesis in Peas" - presented by Dr. Ronald C. Coolbaugh, Department of Botany, Iowa State University - 3 p.m., 335 Borlaug Hall
- FRI - Plant Genetics Discussion Group, 12 noon, 394 AlderH
- Plant Hardiness Discussion - "Stomatal Response to Chilling in Phaseolus as Seen by the Continuous Flow Parameter" - by Bud Markhart

CHAD'S CHATTER - This is your very last chance to please your friends in the department. Lots & lots of requests have been received for recipes from the Holiday Party at the Arb. I need your recipes NOW. Thank you very much. Chad

§ § § § §

LEGAL NOTICE OF UNDELIVERED FREIGHT - If you ordered something from Laboratory Service, in Plymouth, MI, & haven't received it yet, please stop by Laura's desk.

§ § § § §

FOR THOSE HAVING product in the Virtis Freeze Drier in room 201, please remove same. The machine will be shut down for repair for an indefinite period. Dave

§ § § § §

1st ANNUAL PLANT PHYSIOLOGY Winter Picnic (?!!) Saturday, January 25 at the home of Marna Ericson & Boone Eulberg. 2 p.m. for winter sports: BYOB @ bring your own broom. (Only real brooms -- none of those sawed-off, dipped-in-plastic, shin-breaking, so-called "broomball brooms". 6 p.m. for eats & movies (pot-luck please.) Everyone welcome.

§ § § § §

MISSING: Extension SuperFile software manual from room 141 AlderH. If you've borrowed it, please return it immediately. Thanks -- Cindy Herring

§ § § § §

DO NOT remove any colored paper from the storeroom without first checking with RUTH.

§ § § § §

VALENTINE SKIT PARTY -- Well so far, I haven't managed to talk the office staff into doing a skit -- I'll keep trying. I'm giving careful consideration to what I will wear as MC. It must be something classy & elegant in order to introduce the level of talent we're lining up. Remember -- Friday, February 14, 3:30 p.m. Mary S.

§ § § § §

WISCONSIN FEATURES WATERS!! The Wisconsin Direct Farm Marketing Conference, February 25 & 26, in Oshkosh, WI, has lined up as one of its featured speakers our own Luther Waters. For more info see the flyer on the lobby bulletin board.

§ § § § §

I.A.F.H.E. CIVIL SERVICE Consultative Committee will be held on Tuesday, January 28. This is an open meeting with discussion items to include personnel job boards & referrals, computerized secretarial pool, compensation plans & Dr. Sauer's role as VP. Time: 11 a.m., 491 Borlaug Hall. For more info see the agenda on the bulletin board in the back hallway.

§ § § § §

INSTRUCTOR POSITION AVAILABLE - Instructor of horticulture with special emphasis in greenhouse crop production or woody ornamentals & general hort. BS in hort minimum requirement, industry experience helpful but not necessary. Salary negotiable depending on individual & qualifications. Excellent benefits. Send resume to M.R. Richardson, DuPage Horticultural School, 1017 W Roosevelt Road, West Chicago, IL 60185.

§ § § § §

THE PLANT GENETICS DISCUSSION GROUP will host an informal discussion with Dr. Ron Coolbaugh, from Iowa State University, at noon on Friday, January 31, 394 AlderH. The discussion will focus on gibberellin metabolism & expansion growth, & the genetics controlling these traits.

§ § § § §

BPI has several scholarship opportunities available with a deadline date of May 1. More information will be forthcoming in the Twig, but if you would like more info right now, stop by Laura's desk.

§ § § § §

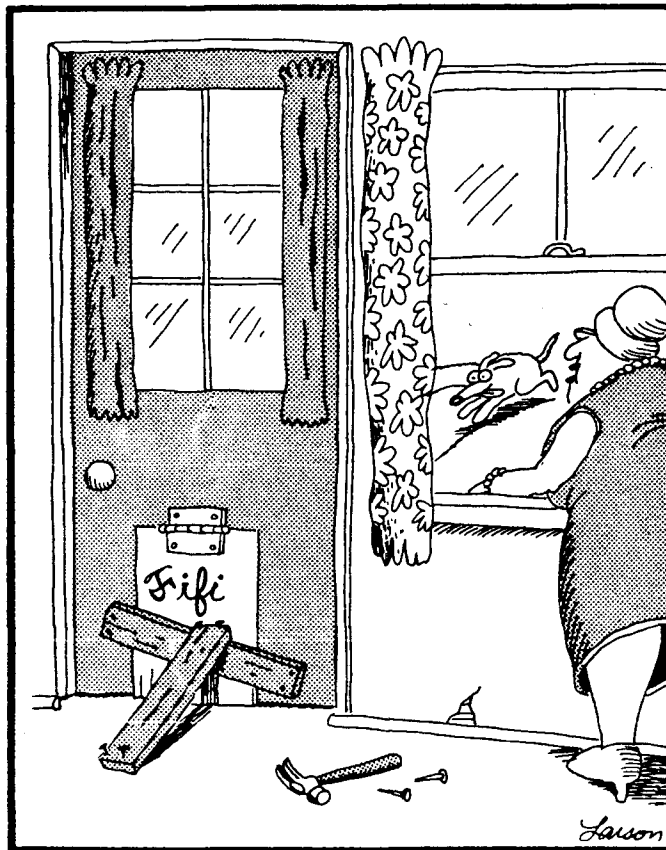
CONGRATULATIONS to Jeffrey Schussler for being awarded a Graduate School Dissertation Grant.

§ § § § §

INTERNATIONAL AG PROGRAMS is still accepting slides & photos for use in future publications or slide presentations to publicize the U's international efforts. They are especially interested in pictures of people working, Minnesota visitors with their hosts, & anything else that demonstrates our activities internationally. If you have anything you think may be of interest, contact Cathy Alberty at 3-1498.

§ § § § §

Have a Good Week!!



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

TWIG-BENDER

Vol 5 - #99 -- January 31, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - FEB 3-7

- MON - Plant Breeding Discussion Group, 11 a.m., 398 AlderH
- Monday Night Discussion -- Identifying & developing thesis research areas: A discussion of Monday Night Discussion, written thesis proposals & other useful instruments
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. This week's treats provided by J. Nassauer & J. Carter
- Grantsmanship Workshop -- 7:45 a.m. to 4:30 p.m., Room 62, Earle Brown Continuing Education Center
 - Departmental Consultative Committee, 3:30 p.m., 398 AlderH
 - Junior Plant Breeding Discussion Group - 7 p.m., 1736 Tatum Street. Drs. Lauer, Davis & Luby will hold a panel discussion on how horticultural plant breeding differs from agronomic plant breeding
- WED - Departmental Seminar - "Root Chilling Effects on Dormancy Release in Apples & Peaches" - by Dr. Eric Young, North Carolina State University, 4 p.m., 415 AlderH
- THUR - Plant Genetics Discussion Group - Drs. Bob Cordero & Paul Birnberg will present results from a histological & GA analysis of dwarf soybean lines -- 12 noon, 398 AlderH
- Plant Physiology Seminar - "Floral Determination - a Critical Event in Meristem Ontogeny" - by Carl N. McDaniel, Department of Plant

similar to television, however, it requires a special antenna & converter to receive the signal. Other subjects to be discussed during the telecon will include the design & management of TV courses, accreditation of courses, the effectiveness of ITFS & creative applications of this technology. Telecon time is Thursday, February 13, 1-3, 110 Student Center. Call 3-1294 or 3805 to let Communications Resources know if you will attend. For further info see the invitation in the lobby.

§ § § § §

THE 1985 Minnesota Ag Manual is available for anyone by calling Dianne Hennes's office (3-0734). The manuals are for distribution to faculty, undergrads & grad students, or anyone interested in agribusiness in general.

§ § § § §

FACULTY, STAFF & STUDENTS - If you wish to attend the Horticulture Industries Conference, February 11-13 at the Earle Brown Center, please sign up in the main office. I will have a badge made up for you. If you are on the HIC program, you do not need to sign up. You must be wearing a name tag to attend the sessions. Shirley Munson

§ § § § §

MANY THANKS to Emily & Jim, who most generously donated the popcorn popper to the office for our weekly popcorn sessions.

§ § § § §

THE OFFICE STAFF warmly welcomes Ms. Vicki Anderson to our ranks. Vicki started working with us on Monday & is still with us today. Vicki will be helping out with overload typing & stuff like that.

VALENTINE PARTY UPDATE -- We've decided that the party will be held in room 415 (Friday, February 14, 3:30). The decorating committee is already drawing up plans. I had to tell them that our budget couldn't handle the fountain & live music. Kathy Lloyd is putting a Valentine box in the main office. If you have a Valentine that you want someone to receive, but don't want him/her to know who sent it, put it in the box. Even bowling balls are acceptable. Phyllis tells me that the turf people have a skit. She said something about a grass skirt. Only 2 more weeks to the big event!! M.C. Stuart

§ § § § §

WILKINS NEEDS someone to help translate 5 sentences from Swedish to English. HELP!?!?!?

§ § § § §

THE CIVIL SERVICE Consultative Committee meeting that was scheduled for 1/28 was cancelled & rescheduled for Tuesday, February 4, at 1 p.m. in room 491 Borlaug Hall. Dr. Sauer

will be speaking on the merit pay system, declining enrollment, the budget situation, the ag crisis, & how his appointment as VP will affect the St. Paul civil service.

§ § § § §

JOIN US THIS WEEK in 398 AlderH at noon on Thursday for a presentation by Drs. Bob Cordero & Paul Birnberg relative to their work with GA levels in a dwarf soybean line & histological examinations of cell size differences.

§ § § § §

AN ADVANCED NOTICE of the Farming Systems Symposium scheduled for October 1986 is posted in the lobby for your information. Please note that abstracts are due May 5.

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!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - No. 100 -- February 7, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK FEB 10-14

- MON - Plant Breeding Discussion Group, 11 a.m., 398 AlderH - "Future Role of Cytogenetics in Plant Breeding" - by Dr. Burnham
- Monday Night Discussion - "Bud Differentiation & Development in Asparagus officinalis" - by Rhoda Burrows. Fireplace Room, McNeal Hall, 7 p.m. After-session at Paul Read's, 561 Rolls Road
- TUE - Horticulture Industries Conference
- Faculty Meeting, 8:30 a.m., 394 AlderH
- Dept'l Coffee, 2:30 p.m., 394 AlderH. This week's treats come from K. Ruser & P. Read
- WED - Hort Industries Conference
- Dept'l Seminar - "Breeding for Improved Photosynthetic Rates & Partitioning Patterns in Blueberry" - by Dr. James Hancock, Dept of Hort, Michigan State University, 4 p.m., 415 AlderH
- THUR - Hort Industries Conference
- Civil Service Staff Meeting, 9 a.m., 394 AlderH
- Plant Physiology Seminar - "Stress Effects on Amuloplast Membrane Integrity, Enzyme Activity & Carbon Partitioning in Potato Tubers" - by Dr. Joe Sowokinos, Dept of HS&LA, East Grand Forks
- FRI - China Center Workshop - "Rapid Social Change: Keeping Up with China" - 9 a.m. to 3:15 p.m., 135AC Earle Brown Center. For more info see registration form in the main lobby
- Plant Hardiness Discussion - "Calorimetric Methodologies in Enzymology & Metabolism" - Dr. Rex Loverien, Biochemistry Dept, UofM
- VALENTINE PARTY - 3:30 p.m. 415 AlderH

HIC UPDATE: If you plan to attend the HIC please sign up in the office. We will issue a name tag. If you are on the program, you do not need to sign-up.

INSTRUCTORS: Don't forget to remind your students to attend the HIC on Tuesday, Wednesday & Thursday, at the Earle Brown Center. The department operates an informal employment booth at the conference so be sure to remind them to submit a resume too!!!

§ § § § §

A REMINDER - Faculty -- Do you have a graduate student whom you would like to nominate to Gamma Sigma Delta? Please submit your nominations to Shirley Munson no later than Monday, February 10.

§ § § § §

AGENDA ITEMS are welcome for the civil service staff meeting scheduled for Thursday, February 13. If you have anything you would like to discuss turn them in to Laura by Wednesday.

§ § § § §

JANITORIAL SERVICES plans to wash & wax the floors in the greenhouse this weekend. They have requested that those using that facility this weekend try to stay in the potting room as much as possible. Thanks.

§ § § § §

DEADLINE IS FEBRUARY 15 for Office of International Programs Development Grant Program for spring activities. Program supports participation in international conferences, teaching & research collaboration, & international conferences, lectures, & exhibits held at the U. Applications available from OIP, 210 Nolet West, Minneapolis Campus, or call 3-3793.

§ § § § §

CHEM & GENERAL STOREHOUSES will be closed for inventory February 24-28. To ensure delivery, orders must be received no later than noon, February 18. They will reopne for business March 3.

§ § § § §

SPRING & SUMMER INTERNSHIP at the Minnesota Landscape Arboretum. The position description includes: instruct children in a variety of educational programs at the arb. In the Children's Garden, teach gardening techniques, lead related craft activities & organize a harvest fair. In the summer tour program lead tours &

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present programs for visiting groups. Assist with greenhouse & garden maintenance. Hours are, Saturdays in April & May, weekdays 8-4:30 from mid June to mid August. Apply at Student Employment Center, 120 Fraser Hall, Job # C7-44627.

§ § § § §

SEMINAR - "Revitalizing the Land Grant University" - by Dr. G. Edward Schuh, Director, Ag & Rural Development, The World Bank, Washington, DC & Professor (on leave) Department of Ag & Applied Economics, UofM, Friday, February 14, 12 noon, the Theater, St. Paul Student Center.

§ § § § §

SUPPORT FOR COMUTER-BASED INSTRUCTION - Project ASSIST is designed to assist UofM faculty with the development of software for use in instruction. It has been established on a pilot basis & will be continually evaluated for its service to faculty. Workshops, individual consultation, advice & help will be provided to faculty. For more info see the flyer in the main lobby.

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Quote of the Week - "There is no indispensable man." -- Franklin Delano Roosevelt

§ § § § §

HI THERE!! This is the last time you'll hear from me before the big day. The 'Monotones' will present a singing skit. The box for anonymous Valentines is in the office. (I just love giving out anonymous Valentines!!) I'm counting very much on having people bring their favorite Valentine treats. By the way -- I went shopping last night for a new outfit that would be suitable for your MC. Just wait till you see!! Please let me know about your skits by next Friday a.m. so we can work out a proper sequence of events. REMEMBER: Friday, February 14, 3:30, 415 AlderH. Thanks, M.C. Stuart

§ § § § §

ANYONE who knows of a room for rent or of someone who may need a roommate beginning in March, please contact Rod Serres, 440 AlderH. Thanks.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #1 -- February 14, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK -- FEBRUARY 17-21

- MON - Exam Question - 8 a.m. to 4 p.m., 394 AlderH. Pick up your question from Laura
- Monday Night Discussion - Discussion of exam taken on 1/27. After-session at Dave Davis's, 2264 Commonwealth Avenue, St. Paul
- WED - Departmental Seminar -- "The In vitro Interaction of Agrobacterium with Vitis & Rubrus" - presented by Mr. Peter Hemsted, Dept of HS&LA, 4 p.m., 415 AlderH
- THU - Arboretum Staff Tour, arrive 9 a.m.; Departmental Coffee,
- Plant Physiology Seminar -- "Effect of ABA on the Growth of Grape Callus Tissue" -- presented by Ling-Yi Deng, Dept of For Res 3 p.m., 335 Borlaug Hall
- FRI - Hardiness Discussion -- "The Relationship Between Root/Shoot Balance & Root Hydraulic Conductivity in Green Ash Seedlings" -- presented by Chris Andersen, 12 noon, 398 AlderH

ALTHOUGH ALDERMAN HALL is horticulture's administrative center, the headhouse/greenhouse complex is the real hothouse of romantic activity for the department. One need only walk by the classroom down there to hear references to "cold frames" & "hot beds". One can only imagine what transpires in the dark recesses of the headhouse's basement on these long winter nights. A reliable source has revealed that the 3 notorious Chalmers sisters (all of whom are named Allis), are cohabiting with the Deere brothers (John & John), & Jerry Tiller. The question remains -- why have former basement residents, Howard Rotovator & John Bean-Sprayer left town for points west? Could it have something to do with the, now orphan, Standard Twin? Another pending scandal which may soil hort's image is the torrid affair between the greenhouse's Pete Moss & soil science's Sandy Loam. More dirt on this story later. This jaded hothouse lifestyle has even begun to affect the plants. This

correspondent has personally seen the beans snap, grapes whine, & beets get pickled, not to mention the already bluegrass & flaky potatoes. Some plants have sought to flee this environment by moving to the greenhouse just south of the headhouse. But alas -- to no avail because we all know about the Polly House*. In the future, the author will reveal goings on in AlderH itself -- the strange love triangle involving Paul E. Ploid, plant breeder, Ann Gora, 1940's sweater girl, & the, like totally plastic lab tech, Polly Propalene. And whatever happened to Marvin Gardens? Or to that grand old dame of southern architecture, Auntie Bellum? Stay tuned dear readers for futhers details.

*Obscure reference to famous madam, Polly Adler.

§ § § § §

Dear MM -- Thanks -- OS

§ § § § §

ANYONE WHO KNOWS of a room for rent or of someone who may need a roommate beginning in March, please contact Rod Serres, 440 AlderH. Thanks.

§ § § § §

FEDERATED GARDEN CLUB SCHOLARSHIPS - A number of \$200 awards to hort majors with GPA of 3.0 or better, sophomore, junior or senior are available. Get forms from Evonne in front office. Entry deadline is February 28.

§ § § § §

YOU'RE ALL INVITED to attend the opening reception for the "Tenth Anniversary Exhibition" of the MN Artists Exhibition Program. DATE: Saturday, February 15. TIME: 9 p.m. to mid-night. PLACE: Minneapolis Institute of Arts, 2400 3rd Avenue S. The exhibition will consist of artwork by 85 MN artists including Angie Klidzejs. The reception will feature live music & a cash bar. There might be a small admission fee (\$4??). If you can't make it to the opening, the exhibition will be on view through April 20.

§ § § § §

!! OVER -- OVER -- OVER !!

REWARD of \$1 for info about where I can purchase, bludge, or steal a small piece of modelling clay, also known as plasticine. Preferably alive, colour unimportant. Also, REWARD of \$1 for information about where I can obtain a disposable shaving razor head containing a flexible steel ribbon about 5 mm wide with a sharp edge capable of cutting bristles (among other things). The ribbon is wound on 2 spools inside the plastic head & can be advanced by twisting a knob on the outside of the head. This dangerous contraption appeared on the market some years ago under the pretentious name of Techmatic. Both items are required urgently, for microsurgery. Please contact Jan Marc. PS - Reward paid in cash!!!

\$\$\$ \$

HORTICULTURAL RESEARCH INSTITUTE, INC. is pleased to announce that they will award \$50,000 in Richard P. White & Endowment Fund Research Grants in 1986. This represents a \$10,000 increase over 1985, & is double the amount awarded in 1984. Individual grants will range from \$500 to the newly-increased maximum of \$4000. For more info see Laura.

\$\$\$ \$

GRAD STUDENTS -- If you are in need of the application forms for 1/2 rate tuition see Laura.

\$\$\$ \$

!!Have A Good Week!!

TWIG-BENDER

Vol. 5 - #2 -- February 21, 1986
305 AldH, St. Paul, MN 55108

Dept. of Horticultural Science & Landscape Arch.
Editor: Ruth A. Harter

THIS WEEK -- FEBRUARY 24-28

MON - Hort Plant Breeding Discussion Group will meet at 11:00 a.m. in 398 AldH. The article for the week can be found in Dr. Davis' folder.

- Hort 8066 Discussions, John Schoenecker: Plastic mulch: Effects on soil temperature and vegetable crop response. 7:00 p.m., Fireplace Room, McNH

- Monday Night Discussion After-Session will be hosted by C. Finn and C. Wylie at 2415 Carter Ave., St. Paul

TUE - 'Tuesday Treaters' are Shirley Munson and Jim Luby; coffee at 9:30

WED - Kermit Olson Memorial Lecture, given by Dr. James Ozbun, Dean, College of Agriculture, Washington State University. The seminar is titled "Agricultural Concerns-Horticultural Opportunities". A 3:00 reception will precede the 3:30 seminar in room 33 McNH.

THUR - Plant Physiology Seminar given by Elizabeth Elleby, Department of Botany. The seminar is titled "Circadian rhythms in stomatal aperture & root hydraulic conductivity". 3 p.m., 335 BorH

FRI - Friday Noon Plant Hardiness Discussion will be presented by Greg Kerr in 398 AldH. The topic is: "Response of rye root tip cell microtubules to freezing stress".

M.S. EXAM PASSED! Congratulations to Chi-June Ko who passed her M.S. Exam on Wednesday, February 19, 1986. Her thesis research was on "Effects of bulb storage temperature and incubation temperature on bulblet proliferation of Hvacinthus orientalis L. cultured in vitro".

CONGRATULATIONS are in order for Kevin Edberg on being elected Board Chairman for the Minnesota Grown Promotion Group at their February 7th Meeting.

VALENTINE PARTY THANKS are sent to the people who took the time to help make the 'Valentine Skit Party' such a success. The food was delicious and the skits were artistic triumphs. We have a lot of talented people in our department. I especially want to thank the other members of the Skit Committee, Kathy Lloyd and Chad Finn, for the help they gave me. Mary Stuart

ATTENTION GRAD STUDENTS AND CIVIL SERVICE PERSONNEL - If you've not done so, please return your Departmental Head Review questionnaire. Thanks!

COFFEE PRICES UP AGAIN! Due to a drought in Brazil, coffee prices will skyrocket to \$.20/cup on Monday, February 24, 1986. Depending on how dry it remains there, I reserve the right to jack-up the price again in the future.

A NOTEWORTHY CHANGE will soon occur for the piano. It will 'scale to new heights' in room 423, thanks to the cooperation of Drs. Mullin and Wilkins. Remember, the same rules regarding playing will apply - no road shows or sit-down comedians during classes!

NRC POSTDOCTORAL RESEARCH AWARDS - Deadlines for applications from scientists seeking postdoctoral research associateship awards from National Research Council are April 15 and August 15, 1986. Laura has information concerning obtaining application forms and more information.

NFIA SCHOLARSHIPS - Materials and applications for the \$1,000 National Feed Ingredients Association Scholarships can be reviewed at Laura's desk. The application deadline is March 15.

RESEARCH APPRENTICESHIP - The CSRS and the USDA are again sponsoring a Research Apprenticeship Program for high school juniors and seniors in 1986. The main objective of this program is to stimulate interest among the minority communities in science-related careers. Laura has information at her desk.

USDA 1987 PRIORITIES - USDA FY 1987 priorities for Research, Extension, and Higher Education are: 1. Increase Agricultural Profitability Through Management; 2. Improve Water Quality and Management; 3. Expand Biotechnology Efforts on Plants, Animals, and Microbes; 4. Develop Necessary Scientific and Professional Human Capital; 5. Improve Human Nutrition and Understanding of Diet/Health Relationships.

PUBLICATIONS GALORE!

Influence of Light Duration and Irradiance on Micropropagation of a Hardy Deciduous Azalea by Athanasios S. Economou and Paul E. Read. Jour. Amer. Soc. HortScience 111:146-149. January, 1986.

From the Jour. ASHS, January, 1986

1. Peat and Bark Media Nutrient Levels in Relation to Geranium Growth and Tissue Analysis, R.E. Widmer, M. Prasad, and R.R. Marshall; 2. Effect of a Hydrophilic Polymer Seed Coating on the Field Performance of Sweet Corn and Cowpea. Lawford Baxter and Luther Waters, Jr.; 3. Relationship Between Rhizome Temperatures and Shoot Temperatures for Floral Initiation and Cut Flower Production of Alstroemeria 'Regina'. W.E. Healy and H.F. Wilkins; 4. Effect of Night Interruption on Cold Acclimation of Potted 'Concord' Grapevines. James A. Wolper and Gordon S. Howell; 5. Effects of Photosynthetic Rate Maximization on Chrysanthemum Growth and Development. Royal D. Heins, Meriam G. Karlsson, J.A. Flore, and William H. Carlson; 6. Factors Influencing Premature Cyathia Abscission in Poinsettia 'Annette Hegg Dark Red'. Steven H. Miller and R.D. Heins; 7. Mite Responses and Trichome Characters in a Full-Sib F₂ of Lycopersicon esculentum x L. hirsutum. Catherine D. Carter and John C. Snyder.

HANDBOOK AVAILABLE - "Academic Advising in Agriculture For Graduate Students From Developing Countries" is available for perusal from Dr. Read.

MEDIA CONTACT LIST - A copy of the most recent "Communication Resources Media Contact List" is available for perusal from Laura.

BIRD FEEDER SPECIAL - Thanks to the sweet corn project and Dick Wenkel's antique corn sheller, there will be corn available on Monday, February 24. A cart of shelled corn will be located near the dumpster in the headhouse. Help yourself!

SLIDE (MICROSCOPE) BOXES AVAILABLE - modern or antique. See Betsy Lamb or Dave Davis.

MORE ANTIQUE GOODIES - Vegetable field record books dating back to the 20's (which 20's?) will be sent to archives unless you have a better suggestion to provide to Dave Davis.

SEED CLEANING TIME - If you have seed in cloth bags, small boxes, etc. outside of the standard tins and boxes in the seedroom (room 366), please see Dave Davis. We need a general housecleaning of the room. Note -- seed in standard boxes will not be discarded. It's the miscellaneous loose material that we want you to think about. Thanks!

TWIGLET CORNER

Gee, Harold, have you decided which day ends in y? Your valentine awaits your response.

So, Bridget, how does it feel to be 10,000 plus one now? How does one manage to carry all those days around?!

Footprints in the sands of time are not made by sitting down.

It's what you learn after you know it all that counts.

Have a Good Week!

TWIG-BENDER

Vol. 5 -- No. 3 -- February 28, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MARCH 3-7

- MON - Monday Night Discussion - Exam Question Discussion, 7 p.m., Fireplace Room, McNeal Hall. After-session at Don White's, 2585 Crown Hill Court, White Bear Lake
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. Treaters this week are J. Hopkins & Anyone Else Who Wants To
- Consultative Committee - 3:30 p.m., 398 AlderH
- WED - Departmental Seminar - "Out of Africa" - presented by Betsy Lamb, 4 p.m., 415 AlderH
- THU - Plant Physiology Seminar - "In vitro Sugar Transport by Developing Maize Kernels" - presented by Steve Griffith, Department of Agronomy & Plant Genetics
- FRI - Plant Cold Hardiness Discussion - Speakers are Marna Ericson on "Intra-cellular Freezing" & Deng Ling-Yi on "To Be Announced" - 12 noon, 398 AlderH

GRADUATE SCHOOL APPLICATION for Grant-in-Aid of Research, Artistry & Scholarship has been extended to March 17.

§ § § § §

LAST CHANCE -- Entry deadline for applying for Federated Garden Clubs of Minnesota Scholarships of \$200 each is extended through March 3. Get forms from Evonne in 305 AlderH. Sophomores, Juniors & Seniors with a GPA of 3.0 or better are eligible. Submit completed forms to R.E. Widmer, 458 AlderH.

§ § § § §

GARDEN WRITERS ASSOCIATION OF AMERICA, an educational, non-profit Association dedicated to improving the standards of horticultural journalism in service to the gardening public, has announced its 1986 Annual Scholarship Competition. The Competition is open to all students, both undergraduate & graduate, interested in the art of growing plants & the art of garden communication. Deadline for submitting applications is Friday, May 30, 1986. See Laura Kalisch in 305 AlderH for applications.

§ § § § §

HAMM MEMORIAL LECTURER nominations are being requested. The Hamm Memorial Scholarship & Lecture Series program provides an opportunity to bring a distinguished colleague in your area to campus for the benefit of faculty & students working in the plant sciences & related disciplines. Nomination deadline is April 1, 1986. For more details see the pink flyer in the lobby.

§ § § § §

RICHARD T. ISAACSON, Bibliographer & Head Librarian, at the Andersen Horticultural Library is now assuming the duties of book/serial selector for HS&LA. If you have any suggestions on materials to be added to the collection of the St. Paul Campus Library in these areas please call or write him at the arb (443-2460).

§ § § § §

TA OPPORTUNITY - Dr. Widmer will have an opening for a teaching assistant in Hort 1016 - Greenhouse Management during the spring quarter. If interested please see Dr. Widmer in room 458 Alder. Spring is coming!!!

§ § § § §

EMPLOYMENT OPPORTUNITIES - The Department of Biological Sciences, Kean College of New Jersey, is seeking a full-time faculty member in the area of tissue culture. The position is a tenure-track line at the assistant professor level. If interested in the position see Paul Read.

The LAND Ag Student Program at EPCOT Center, Lake Buena Vista, Florida, is now accepting applications. During the 6-month program students gain experience in hort practices & learn Integrated Pest Management techniques, aquaculture & computer applications. For more info see posting in lobby.

§ § § § §

!! OVER - OVER - OVER !!

THE 6th INTERNATIONAL Congress of Plant Tissue & Cell Culture will be held on the West Bank Campus, August 3-8, 1986. The local arrangements committee is seeking help from interested students, research associates, technicians & related personnel at the UofM. They need assistance at information booths, symposia presentations, poster set up sessions & other jobs such as driver-messengers & ticket collectors. The registration fee will be waived in return for 2½ days of volunteer help. If you would like to volunteer, contact Bill Bushnell at the Cereal Rust Lab by April 1.

§ § § § §

IF YOU ARE interested in empty computer boxes, see Mark DeBower. There are some available from room 310.

§ § § § §

60 FARM FAMILIES have been invited to the Farm Family Recognition banquet on March 12. The program only has 16 host families & are in desperate need of more. If you are willing to host a Minnesota farm family please contact Arnold Flikke as soon as possible. The host family receives tickets to the banquet & will be seated with the farm family. Thanks for any help you can provide.

§ § § § §

WEDDING BELLS & WHITE DOVES -- Bridget A. Ruemmele & Steven Berman announce their engagement & request the honor of your presence at the wedding on April 1, 1986, in the foyer of AlderH at 3 p.m.

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!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol. 5 - #4 -- March 7, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MARCH 10-14

- MON - Monday Night Discussion - "Induction of Seedlessness in Hardy, Seeded Table Grapes" - by Cynthia Fellman, 7 p.m., Fireplace Room, McNeal Hall. After-session at Marty Stahler's, 741 W VanBuren, Apt. 1, St. Paul
- TUE - Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee, 2:30 p.m., 394 AlderH. This week's treats generously provided by R. Harter & M. Martin
- WED - Civil Service Staff Meeting, 9 a.m., 398 AlderH
- Departmental Seminar - "In vitro Culture of Euonymus europaeus: Identification & Manipulation of Tissues with Plant Regeneration Potential" - by Laura Best, Dept of HS&LA - 4 p.m., 415 AlderH
- THU - Plant Physiology Seminar - "Studies on the Hormonal Regulation of Sucrose Transport in Soybean" - by Jeffrey Schussler, Dept of HS&LA, 3 p.m., 335 Borlaugh Hall

OUR SYMPATHY is extended to Florian Lauer on the death of his brother.

§ § § § §

SECOND FLOOR DARK ROOM - We're organizing a crew of dark room users to clean it up so it can be used for developing, enlarging, etc. Please remove any old chemicals, &/or label those you want to keep with your name & date by 3/14/86. Any dark room users who would like to help contact Jan Marc or Marna Ericson on the 2nd floor.

§ § § § §

SOMEONE NEEDED to drive a full size pick up truck to Denver over spring break. Gas will be provided. Contact Mary Hosier.

§ § § § §

TO DR. DAVIS: On behalf of the arb staff & myself, I want to thank you & the rest of the hort department staff & faculty for one of the most informative days we have spent in a long time.

The fact that every faculty member who was in talked to us about their work & the department gave us the feeling that you all care very much that the arb is part of the department. We learned as much about the department as we could absorb in one day & perhaps more. I know I certainly learned a few new things about what is going on. Again, our thanks to you for seeing to it that everything went well & to the other faculty & staff for their participation. Sincerely, P.J. Olin

§ § § § §

HAPPY BIRTHDAY to Luther Burbank -- world respected & LOVED plant breeder born 1849. In California to celebrate this event it is Arbor Day.

§ § § § §

ARB ACTIVITIES - Garden Potpourri: Planning a Minnesota Garden -- Classes presented by arb, UofM, & MN extension service staff members. Whether you are planning your first garden, modifying an existing one, or just want to make some garden or landscape renovations, the experts teaching this class can help you make decisions about planting schemes, garden design, site selections & use of plant materials from perennials to annuals, herbs to shade trees, flowering shrubs to vines. Saturday, March 15, 8:30 a.m. - 3:30 p.m., \$20/members, \$25/non-members (fee covers 6 45-minute classes, lunch & coffee), advanced registration required.

§ § § § §

SOME REAL BOWLERS from church bulletins (all authentic):

"This afternoon there will be a meeting in the South & North ends of the church. Children will be baptized at both ends."

"On Sunday, a special collection will be taken to defray the expenses of the new carpet. All those wishing to do something on the carpet, please come forward & get a piece of paper".

§ § § § §

WELCOME BACK to Ok-Young & Ed Stadelmann. We have missed you!!

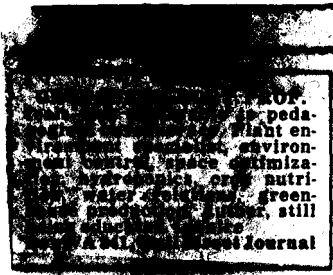
§ § § § §

!! OVER - OVER - OVER !!

A MFMO RECEIVED from the Assistant Vice President for International Education details changes pertaining to: 1) the amount of time required to complete visa petitions [minimum of 2-4 months], 2) the amount of lead time International Student Adviser's Office will need to assist department & foreign faculty members in processing these petitions, & 3) tax requirements & insurance for foreign faculty, staff & students. Before you consider hiring foreign faculty/staff/students be sure to check with Laura first.

§ § § § §

FROM THE WALL STREET JOURNAL:



Really people, my open door policy should work better than this!!

!! HAVE A GOOD WEEK !!



TWIG-BENDER

Vol. 5 - #5 -- March 14, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MARCH 17-21

MON - Winter Quarter Faculty Assembly -
3:30-5:00 p.m., Student Center Theater.
All faculty are encouraged to attend this
meeting!

-Fire Alarm Testing beginning at 10 a.m.

TUE -Departmental Coffee, 9:30 a.m., 394
AlderH. This week's treats provided by K.
Lloyd & anyone else so inclined!

-Consultative Committee, 3:30 p.m., 398
AlderH

THE OPPORTUNITY of obtaining teaching
experience is still available through Dr. Widmer. His
Hort 1016 - Greenhouse Management course is in
need of a TA. If you are interested stop by his
office & discuss the possibilities with him.

FIRE ALARM TESTING will begin about 10 a.m. on
Monday. The horns will be tested as well so don't
become too concerned when they blast out. The
test blasts are relatively short in duration, so if long,
continuing blasts occur, be sure to evacuate quickly
just in case of an actual fire.

1986 CROP PEST MANAGEMENT Workshop will be
held March 24-28 at the Earle Brown Center. The
workshop is designed for everyone interested in
profitable crop production, & offers training in all
facets of CPM. The cost to University staff &
students is \$100 (50% discount). For more
information see the flyer on the lobby bulletin board.

CONGRATULATIONS to Timothy Teynor and
Abderrahmane Oссор who became our latest
graduate degree recipients. Tim & Oссор
successfully passed their MS final orals on 3/7 &
3/10 respectively. Good job!!

DARKROOM EQUIPMENT -- Could anyone spare, or
provide info about where we can obtain (without
charge) a guillotine (15 inch blade), a sheet of clear
glass (without scratches, about 1 ft square) &
carton wine-casks (several, don't have to be

empty). Please contact Jan Marc or Marna Ericson.
Thanks.

HOUSING REQUEST - Single parent/student needs
inexpensive residence for self & 5-year old child by
April 1. Contact Vicki (new person, sits next to Laura)
afternoons at 305 AlderH.

ST. PAUL'S COMO PARK CONSERVATORY is
recruiting volunteers to conduct tours &/or assist in
the maintenance of authentic Japanese Garden.
Volunteers are needed for both weekdays &
weekends during normal Conservatory hours.
Applications will be accepted until March 29. For
additional details see the flyers on the lobby bulletin
board.

GRADUATE ADVISORS - As you may have noticed,
several photos are missing from the gallery in 394
AlderH. At this point, those missing are those that
have never been turned in to the office. If you have
a former student photo missing, please contact the
student & ask that they provide one. All pertinent
info regarding the photos is in the bluebook.

CALIFORNIA HERE WE COME -- We are starting to
make arrangements for ASHS meetings in August. If
you are interested in making group travel & hotel
arrangements please sign up on the list by the grad
p.o. boxes by April 1. If you have questions contact
J. Dole or N. Anderson.

ARBORETUM NEWS - Mr. Hiroshi Teshigahara will be
the honored guest at the Dayton's Bachman Flower
Show Arboretum Benefit Friday, March 21, 6-8 p.m.,
featuring "Form & Flower: the Garden of Hiroshi
Teshigahara". For reservations & further info contact:
Julie Hahn, Chair, or Frances Howard, Co-Chair, at
926-4316.



!! OVER - OVER - OVER !!

FACULTY -- Don't forget to turn in your ballot regarding the guidelines TODAY. Also, you are reminded to make your 2-hour annual review meeting with JFB.

* * * * *

WILL THE PERSON who borrowed the mop bucket that belongs in the 2nd floor dishwasher room return it now. This piece of lab equipment is very important to the smooth operation of the lab. Thanks.

* * * * *

CHAD'S CHATTER -- Garden Plots 1986 -- Sign up for a summer garden plot on the list by the grad p.o. boxes. The last 2 years the plots have been 25' x 25'. We have no idea if we can definitely get plots or how large they'll might be, but let's get an idea who's interested. Any questions see Chad Finn or Jim Luby.

* * * * *

WOVEN WILLOW BASKETS - Shirley Mah Kooyman, instructor. In the first session you will make the base for a small willow basket from supplied materials. Bring a sharp knife & a pair of pruning sheers. You'll be instructed on how to collect & prepare materials for the second session. Dress to spend time in the field. The second session will be spent finishing the basket. Class meets in Classroom II. Two Thursdays, March 20 & 27. First session begins at 9 a.m. & runs to noon, second session runs from 9 a.m. to 4 p.m. \$22.50 members; \$33.75 - non-members. Limited to 15 students. To register call the arb.

* * * * *

MORE CHURCH BLOOPERS - Wednesday, the Ladies Literary Society will meet. Mrs. Johnson will sing "Put Me In My Little Bed" accompanied by the Pastor.

The ladies of the church have cast off clothing of every kind & they may be seen in the church basement of Friday afternoon.

* * * * *

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #6 -- March 21, 1986
305 AldH, St. Paul, MN 55108

Dept. of Horticultural Sci. & Landscape Arch.
Editor: Ruth A. Harter

THIS WEEK - MARCH 24-28

MON Floriculture Seminar, Spring Term 1986; 3:00 to 4:00 p.m. in 398 AldH.

TUE - Departmental Coffee, 9:30 a.m., 394 AldH. This week's treats provided by Pat Hencir and Martha Piechowski.

HAPPY SPRING!!

AT LONG LAST, SHE'S ARRIVED! Congratulations to Joanna and Mark Bennett on the birth of Laura Christine Bennett on March 18. Stats. are: 8 lbs., 13 oz. (4.04 kg.), 21-1/4" long.

FAREWELL AND WELCOME - Farewell to Jim Lewis; as the Department of Horticulture loses an outstanding dedicated professional, Nandor of the North Nursery gains a super manager. Jim, you've been a real asset to the Project and the Department. Thanks so much for everything. You will be missed!

Welcome to John Daniels, Assistant Scientist, Nursery Management. John comes to us with a M.S. in Forestry with a Nursery Management specialization. He has over 5-years of nursery management experience at Mt. Arbor Nursery in Iowa, and has recently worked for Bailey Nurseries. We feel extremely fortunate to be able to replace one good nursery manager and

scientist with another such person. Please make an effort to meet and greet John Daniels.

SENSORY PANELISTS NEEDED- Sensory panelists needed for french fries, strawberries, and sweet corn. See posted notices. Shirley Munson

UROP FUNDING - Scott Aker has been awarded UROP funding for the project, "Effectiveness of STS Sprays in Preventing Flower Bud Abortion in Lilium longiflorum". This project will be directed by Dr. Harold Wilkins. Congratulations!

IT'S A PUZZLEMENT! Department mail desk has received a large rolled package addressed to "Return to Horticulture", Ghs. Plans 1963. Anyone want to claim?

ARBORETUM CHILDREN'S GARDEN REGISTRATION OPENS - The Minnesota Landscape Arboretum opens the 7th season of the Children's Garden program with Registration Day on Saturday, March 29th from 10 a.m. to 1 p.m. in the Arboretum Learning Center. More information is available from the Arboretum by calling 443-2460.

SUGARBUSH OPEN HOUSE AT ARBORETUM - It's maple syrup time at the Minnesota Landscape Arboretum.

The Arboretum's sugarbush -- a grove of maple trees -- will be open to the public Saturday and Sunday, April 5 and 6 from 10 a.m. until 4 p.m. The public is invited to tour the maple syrup operation at 10:30 a.m., 12:30 p.m., or 2 p.m. on Saturday or at 12:30 and 2 p.m. on Sunday. As an added attraction, a pancake brunch will be served Saturday (April 5) from 9 a.m. until 1 p.m. and Sunday (April 6) from 11:30 a.m. until 2 p.m. in the Snyder Building. For additional information, please call 443-2460.

FEBRUARY 1986 HORTSCIENCE BIOTECHNOLOGY ARTICLES - 1) Effect of Cytokinin, IBA, and Rooting Regime on Chinese Chestnut Cultured In Vitro, by Yang Qi-guang, Paul E. Read, Cynthia D. Fellman, and Mary A. Hosier. 2) Microcutting Production from Sequential Reculturing of Hardy Deciduous Azalea Shoot Tips, by Athanasios S. Economou and Paul E. Read.

1986 FIELD PLOT NEEDS - Anyone who has not specified their needs in writing should do so immediately. The Field Plots Committee will meet next week. Please get your request to Dr. Widmer, Committee Chair. Thank you.

TWIGLET CORNER - The following advertisement was recently found in a trade journal:

Dendranthema

A house of ill-repute
for the discriminating mum

N.O. Anderson, Proprietor
Box 65
HID Light District, MN

hmmm????

DR. DAVIS PONDERERS - If I hear "Have A Nice Day" again, I'll scream. Whatever happened to "May the Road Rise to Meet You" and "May The Wind Always Be At Your Back"? Perhaps a contest to "rename" the traditional "Have A Nice Day" is in order.

HAVE A GOOD WEEK!

TWIG-BENDER

Vol 5 - #7 -- March 28, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MARCH 31-APRIL 4

- MON - Quarterly Extension Faculty Meeting, 9 a.m., 135A-C Earle Brown Center
- Floriculture Seminar - 3 p.m., 398 AlderH. "My Philosophy of Graduate Education" - by Dr. W.P. Hackett
- TUE - Departmental Coffee, 9:30 a.m., 394 AlderH. This week's treaters are B. Lamb & G. Fernandez

SENSORY PANELISTS still needed!!! Anyone interested in participating in sensory panels for french fries, strawberries & sweet corn please sign up in room 369. Thanks.

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THE 1986 LEGISLATIVE appropriations for the Minnesota Extension Service & the Agricultural Experiment Station & coordinate campuses at Waseca & Crookston as provided in the Conference Report on HF 1599 are posted in the back hall.

§ § § § §

PUBLICATIONS:

Yang Qi-guang, Paul E. Read, Cynthia D. Fellman & Mary A. Hosier. 1986. Effect of Cytokinin, IBA, and Rooting Regime on Chinese Chestnut Cultured in Vitro. HortSci 21(1).

Anthanasios S. Economou & Paul E. Read. 1986. Microcutting Production from Sequential Reculturing of Hardy Deciduous Azalea Shoot Tips. HortSci 21(1).

§ § § § §

ON A WINDY WEDNESDAY a "parking & expired license ticket" was found on the sidewalk on the way to the greenhouse. Is it yours (do you drive a Toyota, lic. #RV51349)? Can claim via Laura Kalisch.

§ § § § §

PRE HEADHOUSE BASEMENT Clean Up Blue Light Special -- Free!!! 1 - 90 gal water tank from the old Holland Transplanter & 1 single row herbicide incorporator, cultivator, strip tillage unit (similar to Multivator advertised at HIC). See Dick Wenkel

§ § § § §

CONGRATULATIONS to Mark DeBower who has received a Graduate Student Honor Award from the American Society for Landscape Architects for his thesis work at the University of Minnesota.

§ § § § §

THE AMOCO GAS CREDIT CARDS are expiring on March 31. If you do not have your new credit card you will need a new one. Vehicle Rental & Fleet Service is asking that you bring your old card to their office & pick up your new one. Their address is 2035 University Avenue SE. If you have any questions call Shirley Payne at 3-2777.

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ONE LAST REMINDER -- Faculty - if you haven't scheduled your annual meeting with Dr. Bartz, please do so immediately. Thanks.

§ § § § §

MR. DONALD E. OBERNOLTE has been awarded UROP funding for the project Land Aesthetic Site Design, under the direction of Professor Joan Nassauer. Congratulations.

§ § § § §

PLANT PHYSIOLOGY GRADS - A study group for the plant phys written prelim (May 6 & 7) will meet at 7 p.m., April 1, in 398 AlderH. See Greg Kerr for info.

§ § § § §

TO THOSE THAT MISSED Dr. Ozbun's Kermit Olson Memorial Lecture -- we have a tape of the lecture if you're interested in hearing it. Stop by Martha Piechowski's desk to check it out.

§ § § § §

A TOUR OF RWANDA starting at 12 noon, on Wednesday April 2, 394 AlderH. Safari attire appropriate.

§ § § § §

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 1986-87. There are no restrictions regarding race, creed, or sex, but the college attended must be within the United States. Stop by Laura's desk for application forms.

§ § § § §

THE ARB'S 7th SEASON CHILDREN'S garden registration opens on Saturday, March 29 from 10 a.m. to 1 p.m. in the Arboretum Learning Center. During the 13 week program, the arb not only lends out garden plots to kids 8-12, but supplies all the plants, seeds & tools that could make the land productive & the expert instruction that guarantees it will be. Course fee is \$24 for members; \$30 for non-members. For more info call the arb.

§ § § § §

FAREWELL TO ALL MY FRIENDS in my home away from home. It has been five fulfilling years that I've labored with you! Please come & visit at Minn Vitro. I'll miss you. Mary Hosier.

§ § § § §

BRIDAL SHOWER for Bridget will be held on the 31st of March starting at 11:30 a.m. in room 394. Bring your lunch & goodies will be supplied.

§ § § § §

GARDEN PLOTTERS -- UNITE -- If you (profs, undergrads, grads) are interested in planting & maintaining a garden plot, sign up on the list over the grad student p.o. boxes. More info & contracts will be out soon. Any questions -- see Chad Finn.

§ § § § §

SOFTBALL, EVERYONE? It is once again time to take to the fields & swing away the winter blahs. Sign-up sheets are on the grad bulletin board & in the undergrad lounge. Please indicate times when you can't play & the best time for practices.

§ § § § §

WE'LL MISS YOU CHI-JUNE!! Chi-June Ko, having recently completed her MS degree, is leaving Saturday for home by way of California. Her cheerful smile added a lot to the department & we wish her well in her future endeavors.

§ § § § §

BRIDGET FINALLY got her 'rock', so the wedding is definitely on for Tuesday, April 1, at 3 p.m. in the foyer of AlderH. Wedding party attendants should meet in the 4th floor hallway by 3 p.m. Rumor has it a famous star of a popular TV show will be coming. Bridget & Steve would be most honored by your presence at this joyous event. (This is the only official invitation anyone will receive!!)

!! HAVE A GOOD WEEK !!

Ovary Explants by Gibberellic Acid. J. Plant Growth Regulation 4:19-27. They are posted on the grad student bulletin board.

§ § § § §

DID ANYONE find a Scott Stanley academic folder in their p.o. box? Return to H. Wilkins or R. Mullin.

§ § § § §

CONGRATULATIONS to Mary Hunsperger who will be leaving next week to join the International Plant Research Institute (IPRI), in San Carlos, CA.

§ § § § §

LAST DECEMBER I ordered Mobile Genetic Elements by James A. Shapiro through Academic Press. Their trace of the book & UPS records shows that it was signed for in this department. If you have my book please give it to me or pay me \$80!! (Book was addressed to Peter Uelguth). Thanks -- Peter Uelguth

§ § § § §

BTS has signed out room 152 spring quarter for Hort 5048. It may or may not be used during all the times signed out. If you need it for one of the times he has it signed out, please let him know & he will reschedule.

§ § § § §

MRS. JEAN GORDON from the International Agricultural Exchange Association, Great Falls, MT, will give a presentation of their exchange programs on Thursday, April 17 at noon in 110 Student Center. Mark your calendars now. Interested faculty & students are encouraged to attend.

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the seedroom (room 386); contains large seeds which resemble & have the fragrance of pine, spruce, etc.

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REMINDER -- If you are interested in making joint travel & lodging arrangements to Davis for the ASHS meetings, please sign up on list by Friday, April 11. We are beginning to make arrangements.

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REVCO FREEZER USERS: We have a down freezer so PLEASE inventory the contents & discard any of your samples which are no longer needed. Any samples not labeled should be discarded. Thanks -- JFB

§ § § § §

ARBORETUM UPDATE

Several openings remain in the 1986 Children's Garden Program at the arb. The program is open for kids 8-12 years old who want to enjoy the outdoors & meet new friends on a summer garden adventure. Children receive garden plots, plants, seeds, tools & instruction as they plant & tend their gardens of vegetables & flowers. Classes begin on April 26, summer session continue on Wednesday or Thursday mornings after school is out. The course fee is \$24/members & \$30/non-members.

Positions available: Tram Driver/Narrator, 2 openings, begins April 25 through October 12. Duties include driving the tram & giving a narration of the arb's grounds & plantings during scheduled runs, wash & dry vehicle, refuel & check oil. Qualifications: A Class B driver's license. Knowledge, interest & experience w/outdoor plants is necessary. Safe driving record. Senior or grad student in hort, botany, or related plant sciences, or Master Gardener desired. Salary: \$9.47/hr. To

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aid activities call the aid at 443-2480.

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SAM BRUNGARDT will be on temporary assignment with the Caribbean Ag Extension Project during April & May. Anne Gillespie Lewis, a freelancer, will be covering his station research news beats with the help of an intern, Colleen Sauber, during his absence. Researchers may contact Anne by calling his office at 6-8182. Her office hours will be 8:30 a.m. to 3:30 p.m., Mondays & Tuesdays, & 8:30 a.m. to 1:30 p.m. Wednesday through Friday.

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GIVE AWAY -- 2 orange chairs by room 326 available for use - not to be removed from AlderH. Take one if interested.

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!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #9 -- April 11, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - APRIL 14-18

- MON - Exam Question, 8 a.m. to 4 p.m., 394 AlderH. Question available in the office
- Floriculture Seminar, 3-4 p.m., 398 AlderH. "My Philosophy of Graduate Education & Research" - by Dr. P.D. Ascher
 - Monday Night Discussion - "Screening Phaseolus Hybrids for Tolerance to Drought Conditions" - by Akil Petersen, 7 p.m., Fireplace Room, McNeal Hall. After-session at Florian Lauer's, 1736 Tatum Street
- TUE - Special Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee - 2:30 p.m., 394 AlderH. Treaters this week are R. Ratasky & any other kind person wishing to contribute
- WED - Departmental Seminar - "Training & Developing Cooperative Research in China -- 3 Months at Hebei Academy of Agriculture & Forestry" - by Dr. E.J. Stadelmann - 4 p.m., 415 AlderH
- FRI - Plant Hardiness Discussion, 12 noon, 398 AlderH. "A Review of the Enzyme Immunoassay for the Quantitative Determination of ABA" - by Ryu, Beung-tae

WE HEAR Kevin Grueber begins working for George J. Ball & their DuPage Horticulture School on May 1. Congratulations!

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NOTE TO ALL GREENHOUSE USERS -- We are taking work orders for greenhouse shading. We hope to start Monday, April 14.

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INTERESTED in General & Chemical Storehouse catalogs? If you are, stop by Ruth Harter's desk, she has 3 extras.

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WELCOME TO THE NEWEST member of the faculty in HS&LA!! Professor Lance Neckar started working this spring quarter in the landscape architecture program. If you haven't introduced yourself yet, stop by his office (432) & say hello!!

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MORE GOOD NEWS of former graduate students!! We hear Judy & Dennis Stimart are to be moving to Madison, WI. He is a new faculty member in the horticulture department. And, any day now they are expecting to be parents for the second time. Congratulations!

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SAFETY TRAINING videos, "Hazards Communication -- Right to Know" & "Handling of Pesticides" will be shown Tuesday & Wednesday, April 29 & 30, at 3 p.m. in 394 AlderH. Please mark your calendars if you did not see this in January. More info next week.

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THE NEW PHONE manuals will be distributed very soon. The department has been supplied 1 manual per telephone at no charge. If you misplace yours or someone borrows it & doesn't return it, there will be a charge to replace.

§ § § § §

PUBLICATIONS: Athanasios S. Economou & Paul E. Read. 1986. Influence of pH & Medium Composition on Rooting of Hardy Deciduous Azalea Microcuttings. J. Amer. Soc. Hort. Sci. 111(2):181-184.

§ § § § §

POSITION ANNOUNCEMENT -- The College of Agriculture is conducting an internal search within the UofM for an experienced Ag Extension Specialist to serve in Rabat, Morocco, as a member of the University Resident Team & as a member of the faculty of the Institut Agronomique et Veterinaire, Hassan II. Applicants should hold a UofM appointment. For more information see the position announcement on the office bulletin board.

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THE ANNUAL St. Paul Campus Retirement Recognition Luncheon honoring those retiring from positions on the St. Paul campus will be held in the Earle Brown Center on Tuesday, May 13, at 12 noon. If you are interested in attending tickets are available from the Information Desk, St. Paul Student Center, until noon Wednesday, May 7.

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MARATHON SOFTBALL -- The Hort Horrors honed their batting & fielding skills in a close, grueling match with the Computer Chromes Thursday. In the end, the Horrors succumbed 26-20, but the weather was so abnormally decent the team didn't mind playing ½ hour longer than usually allowed. Stellar catches came from Jeff Schussler & John Schoenecker. Marty Stahler had her first taste (& probably last if she has anything to say about it) of the fast-paced shortshop position. Everyone contributed to the scoring, including a home run from Todd Perkins. Sigurd Assev caught on quickly in his first ever softball game thanks to a crash course during the game. Other participants included Gina Fernandez, Paul Birnberg, Chad Finn, Julie O'Leary & her husband Frank, Bridget Ruemmele, Rod Serres, Rick Stapfer & Susan Stombaugh.

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ONE OF THE NEWLY ELECTED members of the Assembly Steering Committee (the TC component of the Senate Consultative Committee) is our own Mark L. Brenner. Mark will be serving on the committee for the next 3 years. Congratulations.

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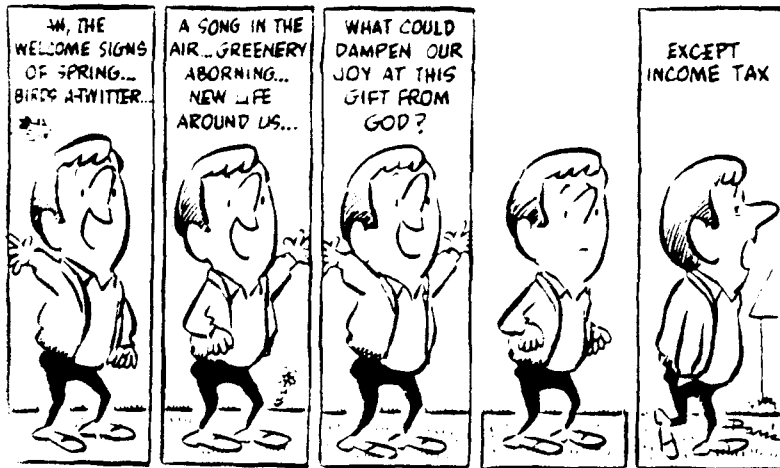
CHAD'S CHATTER -- Garden Plotters, given the choice of getting out in the gardens Saturday, or waiting until a scheduled cultivation on Tuesday, I chose the latter. I was all excited about getting out tomorrow, but faced with the prospect of turning over plots which haven't been touched since last fall, I chose the easy way out. Look for plot plans early next week.

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AND LAST but most certainly not least, we bid a fond adieu to Abderrahmane Oссор, who is leaving for Morocco this weekend. But not to worry, Oссор is planning to return to complete the PhD in the winter of 1987.

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!! Have a Good Week !!



TWIG-BENDER

Vol. 5 - #10 -- April 18, 1986
305 AldH, St. Paul, MN 55108

Dept. of Horticultural Sci. & Landscape Arch.
Editor: Ruth A. Harter

THIS WEEK - APRIL 21-25

MON - Dr. J. Luby will present floriculture seminar "My Philosophy of Research and Ph.D. Education" from 3-4 p.m., 398 AldH.

- Bill Frost will present a discussion for Hort 8066 entitled "Enhancing Creative Behavior in Landscape Architecture Education" at 7 p.m. in the Fireplace Room, McNeal Hall. Monday night after-session at Joan Nassauer's, 1022 W. County Rd.

TUES- Departmental Coffee - 9:30 a.m., 394 AldH. 'Tuesday Treats' provided by Cathy Carson and Rachel Klug.

WEDS- Fruit Growth Discussion Group will meet at 8:30 a.m., 398 AldH. An article by B.G. Coom entitled "The Development of Fleshy Fruits" will be discussed [Ann. Review of Plant Phys. 27:507-28, 1976]. A copy is posted by grad mailboxes.

FRI - Plant Cold Hardiness Discussion at 12:00 noon in 398 AldH. Molecular Biology in General is the topic. Panel members are Marna Ericson and Tsai-Yun Lin.

- Hort Happy Hour is at El Torito's in Roseville at 5 p.m. Everyone is welcome!

GRADUATE ADVISERS - If you had any graduate students starting in the fall of 1979, please let Laura know their names. Thanks.

INTERNATIONAL HORTICULTURE MEETING - If anyone has the International Horticulture Meeting (Davis) registration form from the last issue of ASHS, and if you're not going to use it, could you please give it to me? Thanks. Marty Stahler

ISHS ATTENDANTS - If you are undecided between dormitory or motel accommodations, here's the cheapest and closest motel available: Motel 6, \$11 + tax per person per night. We have 6 rooms reserved with 2 double beds each, so we can accommodate all who opt for this. Inform Neil Anderson or John Dole of your intentions. Remember, the deadline for applications for staying in the dorms is May 1.

ENHANCED GRAPHICS ADAPTERS-(EGA) color monitors, and additional memory on the computers have been installed on the computers in the Computer Laboratory. Please note: 1) the color monitors need to be turned on/off independent of the computer; 2) because of the additional memory, booting takes considerably longer than before. If you have questions, please see Bud Markhart, 258 AldH.

HORT CLUB OFFICERS - The University Horticulture Club Officers for 1986-1987 are: Scott Aker, President; Fred Rozumalski, Vice President; Kelly Ulbricht, Secretary; Andy Kroll, Treasurer; Ann Rabaey, Social Chairperson; Brooks Whitton, Greenhouse Chairperson; Ken Yliniemi, Greenhouse Chairperson.
Congratulations to all!

GAMMA SIGMA DELTA - The Gamma Sigma Delta Initiation Banquet will be held next Thursday, April 24th, at 6 p.m. at the Earle Brown Center. The following students and faculty will be initiated. L.A. Undergrads: Stanley B.

Anderson, William J. Bleckwenn, John R. Kippely, Paul W. Miller, Carol E. Pelton.
Horticulture Undergrads: Jean O. Fenstad, Carolyn S. Jones, David J. Larson, Kirk W. Pomper. Graduate Students: David E. Culley, Carol A. Hartley, Judith Y. Kersten, Abderrahmane Hilali, Barbara E. Liedl, Kathryn A. Louis, Jonathan Stiegler. Faculty: James F. Bartz, Albert H. Markhart, III, Joseph Sowokinos, Luther Waters, Jr. It would be especially nice to have Gamma Sigma Delta faculty and staff there to welcome the new members. See Shirley Munson for dinner reservations.

MERTKA INFORMATION - The Mertka information you received earlier this week in your mailboxes is to explain a little about why we are showing the videos on "Hazards Communication-Right to Know" and "Handling of Pesticides", Tuesday and Wednesday, April 29 and 30 at 3 p.m. in 394 AldH. All departmental personnel should see them now, if they did not do so in January, and all personnel who have any contact with hazardous materials should sign the training form. Thanks. Margaret Hibberd

PILE-OF-STUFF - In the second floor dishwasher room there is a pile of stuff removed from the two large glass cabinets. There are a few good things-round bottom flasks, test tubes, erlenmeyers. Help yourself to anything you can use . . . remainder will be thrown out Friday, April 25. Thanks. Margaret Hibberd

VOLUNTEER OPPORTUNITIES DAY- The Landscape Arboretum is presenting a "Learn About the Volunteer Opportunities at the Arboretum Day" on Wednesday, April 23, from 11 a.m. - 2 p.m. at the Snyder Education and Research Building. For more information, call 443-2460.

MINUTES L.A. SEARCH COMMITTEE- The minutes from the March 20, 1986 L.A. Search Committee Meeting are available for perusal at Laura's desk.

ST. PAUL RETIREMENT 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 13, 1986, at 12 noon. The cost of tickets is \$3.00 and they must be paid for when obtained, before noon Wednesday, May 7, 1986. Further information is available for perusal at Laura's desk.

EMPLOYMENT OPPORTUNITIES - 1) Urban Garden Program Assistant, Marion County Cooperative Extension, Indianapolis, Indiana. 2) Horticulture, Nursery Production and Management, East Melbourne, Victoria, Australia. For detailed information, please stop by Laura's desk.

BASEBALL BLUES - OOPS! After surging to an 18-10 lead, the Hort Horrors "decided" to make the game a contest and only scored one more run while their opponents racked up an additional 17 runs (that means we lost 27-19). In spite of the score, the Horrors had some tremendous moments. Carol Wylie at third and Kevin Lenz and Frank Whitemore alternating at shortstop snared several line drives as well as teaming up to tag-out runners going for extra bases. Paul Read and Rick Stapfer traded-off at first base, making many successful outs. Julie O'Leary guarded second, while Bridget Ruemmele in the catcher's spot came very close to nailing a runner at second with a throw from home (her teammates thought Kevin tagged the runner). Bud Markhart contributed finesse pitching and gave up no walks. Jeff Schussler saved runs with diving catches. Al Ducommon, Barb Fick, Rod Serres and Susan Stombaugh also covered the outfield. Everyone drove hits through or over the infield, with most players scoring at least once. The offensive highlight was the impressive 10-run second inning when every batter got on base at least once during that stretch.

TWIG-BENDER

Vol. 5 - #11 -- April 25, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - APRIL 28-MAY 2

- MON - Floriculture Seminar - "All That You Will Ever Need to Know About a Cell So You Can Pass a Prelim Question" - by Dr. Ok-Young Lee Stadelmann, 3-4 p.m., 398 AlderH
- Monday Night Discussion - Exam question discussion, 7 p.m., Fireplace Room, McNeal Hall. After-session at Wes Hackett's, 984 Lydia Drive, Roseville
- TUE - Special Faculty Meeting, 8:30 a.m., 394 AlderH.
- Public lecture by Mr. David Pitt, LA position candidate, 11 a.m., Fireplace Room, McNeal Hall
 - Departmental Coffee - 2 p.m., 394 AlderH. Treeters this week are B. Fick & C. Finn
 - "Hazards Communication - Right to Know" & "Handling of Pesticides" - Videos, 3 p.m., 394 AlderH
- WED - Right to Know Videos - 3 p.m., 394 AlderH
- FRI - Plant Cold Hardiness Discussion - "Molecular Biology in General" - panel members are K. Niemi & M.J. Tseng

DON'T FORGET about the videos on hazardous materials. If you missed seeing them in January be sure to attend either Tuesday or Wednesday afternoon.

§ § § § §

IMPORTANT NOTICE!!! The room reservation deadline for the International Horticulture Congress is May 1 & the congress registration deadline is May 31. If you are planning to attend, keep these dates in mind.

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ONCE AGAIN - Last December, I ordered Mobile Genetic Elements by J. Shapiro from Academic Press. I have since found out that the book arrived as UPS package lists shows it was signed for when delivered. If someone has my book, you owe me for the book (\$65), shipping & handling (\$10) & phone charges to Academic Press (\$5). Thanks -- Pete Velguth.

§ § § § §

MATERIALS FROM AID - Delane Welsch has just received a set of 6 volumes of "AID's Congressional Presentation for Fiscal Year 1987". Each of the Regional Volumes is organized alphabetically by country in which AID has a program, plus info on regional programs. Each country section includes some vital statistics about that country, a brief description of the history of AID activities in that country, & then a list of specific AID funded projects that are to be funded during the fiscal year 1987. In you are interested in reviewing the volumes stop by his office & check them out.

§ § § § §

INTERVIEW SCHEDULE for Mr. David Pitt is on the counter in the office. Mr. Pitt is a candidate for the landscape architecture position that is currently vacant. His public lecture will be on Tuesday, April 29, 11 a.m., Fireplace Room, McNeal Hall.

§ § § § §

HOLIDAY SCHEDULE FY 1986-87 -

Independence Day - July 4; Labor Day - September 1; Thanksgiving Day - November 27 & FH* November 28; FH December 24, Christmas Day - December 25 & FH December 26; New Year's Day - January 1; Martin Luther King's Birthday - January 17; & Memorial Day May 25, 1987. (*FH - Floating Holiday) Because the academic calendar had been set for the 1986-87 fiscal year prior to the addition of the 11th holiday in September 1985, a personal holiday has again been designated for 1986-87. The policy for using the personal holiday is posted in the office.

§ § § § §

FULBRIGHT AWARDED TO RODNEY SERRES - Rod has just been notified that he is to be a recipient of a Fulbright Scholarship for 1986-87. Rod will continue his MS research on in vitro culture of chestnut in the laboratory of Dr. Per Nissen. He will focus on protoplast & suspension culture systems for use in generating somoclonal variants of chestnut. Congratulations, Rod!

§ § § § §

NEW TELEPHONE HELP LINE -- 6-8686

!! OVER - OVER - OVER !!

CONGRATULATIONS to the following grad students who have received Outstanding Graduate Student Awards: N. Anderson, B. Bergman, J. Dole, B. Leidl, B. Reummele, C. Finn, S. Maki, D. Rubino, P. Velguth, M. Evans & C. Fellman. L. Baxter & P. Bierman were awarded travel grants. Congratulations.

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CONTRIBUTIONS are once again being accepted for the department flower fund.

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DOCTORAL DISSERTATION FELLOWSHIP nominations from horticulture are due to the GSC by May 7, at 9 a.m. For information on eligibility criteria see Laura.

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PLANT HORMONE in mammalian brain!! Abscisic acid, a hormone made by mosses & vascular plants, has been identified in rat & pig brains. In the plants, the acid regulates a great number of processes, including seed dormancy, stress resistance & aging. Now M.-Th. Le Page-Degivry & colleagues at the University of Nice in France have isolated this hormone from brains & demonstrated that, when applied to plant surface pores, it has the same activity as the plant hormone. They further report in the February (No. 4) Proceedings of the National Academy of Sciences that the brain abscisic acid does not seem to be a consequence of a diet containing abscisic acid. The role of the hormone in the brain is currently under investigation. From Science News, Vol. 129, No. 13, March 29, 1986.

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MISSING: Abstracts from the 1985 International Plant Growth Substance Conference. Please return to M. Brenner.

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DID YOU order the book A Smart Modem? If you did call Dorothy at 3-5700.

§ § § § §

GRAD STUDENTS: Remember the mission statement assignment? Probably not -- so dig it out from the back corner of your desk, spend a little time thinking about it & return your replies to Marna or Chad. We'd like to hear from all of you by May 3. Thanks.

§ § § § §

CONGRATULATIONS to Bob Cordero who has just accepted the position of assistant professor of biology, a tenure track position at St. Joseph's University in Philadelphia (his home town). The position starts this fall, so Bob will be here over the summer doing research until possibly the end of July.

§ § § § §

HORT HORRORS HIGHLIGHTS -- Carol Wylie's searing drive scored Julie O'Leary from 3rd base. The rest of the game, under abnormal playing conditions (the 3rd week of decent weather), the Horrors played with reckless abandon, coincidentally the name of the opposing team, on their way to a 39-1 squeaker of a loss (the score was tied 0-0 after the 1st inning). Additional sparks of excitement came when Chipper Perkins & Frank Whitemore made spectacular outfield catches, while Susan Stombaugh & Carol teamed up on some forceouts in the infield. Other athletes performing in the continuously rotating rotation (& as the avid cheering section when not on the field) included: Sigurd Assev, Ben Bergman, Al Ducommon, Gina Fernandez, Barb Fick, Chad Finn, Kevin Lenz, Todd Perkins, Paul Read, Bridget Ruummele & Rod Serres.

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& DON'T FORGET about the Hort Happy Hour tonight at El Toritso in Roseville -- Everyone is welcome.

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!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #12 -- May 2, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MAY 5-9

- MON - 9 a.m., Civil Service Meeting - 394 AlderH
-- Brainstorming session re: Departmental Mission
- Floriculture Seminar - 3 p.m., 398 AlderH.
"My Philosophy - A Development -- Past, Present & Future" by M.L. Brenner
- Monday Night Discussion -- "Developing Rapid Methods for Screening Vitis Seedlings for Cold Hardiness" - by Joan Conrod, 7 p.m., Fireplace Room, McNeal Hall. After-session at Pete Veiguth's, 2072 Como Avenue, St. Paul
- TUE - Departmental Coffee - 9:30 a.m., treaters this week are E. Kuyper & J. Carter
- WED - Fruit Growth Discussion - 8:30 a.m., 398 AlderH
- THU - Public Lecture by Mr. Gary Kesler, candidate for the landscape architecture faculty position, 10:30 a.m., Fireplace Room, McNeal Hall
- FRI - Plant Cold Hardiness Discussion - Continuation of "Molecular Biology in General" - panel members are M. Ericson, T. Lin, K. Niemi & M. Tseng, 12 noon, 398 AlderH

NOTE THE ROOM CHANGE -- The meeting with Drs. Allen & Borich has been moved to the greenhouse classroom, the time is the same (10 a.m., Friday, May 9). This meeting is to discuss the department head review process.

§ § § § §

RETIREMENT REMINDER - 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 13, at noon. Tickets are available until Wednesday, May 7. If you are interested in attending, tickets are available through M. Mitteness, 3-1184.

§ § § § §

SUMMER EMPLOYMENT -- Urban Garden Program Assistant, Marion County Cooperative Extension, Purdue University Extension Service. This is a unique opportunity to work in a service-oriented horticulture position. Duties include garden prep; demonstration of gardening techniques; holding regular gardening consultations with clients; answering clientele questions; providing instruction & literature on garden, nutrition & food prep techniques; providing general staff support; & much more. For more info contact Deb Martin or Oscar Hopkins at (317)848-7531/253-0871 or send resume & cover letter to: Marion County Cooperative Extension Service, 9245 N Meridian Street, Suite 118, Indianapolis, IN 46260 -- Attention: Deb Martin.

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THE MEETING WITH Mr. Firdawcy has been scheduled for May 5, 3-5 p.m., in room 394 AlderH.

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A PRESENTATION on Project EXTRA (Expert Systems for Technology & Resource - Conservation in Agriculture) will be held at 10 a.m. on May 14 in room 120 Coffey Hall for COA faculty & invited reps from industry. John Barrett from Purdue will use the morning for introduction of the project which deals with the application of new artificial intelligence & computer networking technologies to develop & deliver decision-aid computer software to farmers for both short & medium range planning. Barrett will be available in the afternoon for individual conferences with faculty.

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A GREAT BIG departmental THANK YOU to Margaret Hibberd for her tireless efforts on bringing us into MERTKA compliance.

§ § § § §

LAST YEAR Bob Mullin & Don White circulated their personal copies of a book on creative thinking & the creative process. Circulated is apparently a misnomer at this point because the books have not been returned. Please search your desk, briefcase, stacks of paper, conscience, soul, & whatever else so that the books will be returned. Thank you. DBW & RM

§ § § § §

DEADLINE DATES FOR International Programs Development Grant Program 1986-87 have been received. The purpose of the program is to support international activities of the faculty. All UofM faculty with regular full-time appointments & PA staff in educational & academic support roles are eligible. For more info & application deadlines please see the goldenrod flyer posted in the main office.

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LAST CHANCE REMINDER - Doctoral Dissertation Fellowship nominations from hort are due to the GSC by May 7, at 9 a.m. For more info see Laura Kalisch.

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SHOP NOTE - If your project is in need of multichannel temperature monitoring equipment, 2 department units are now available through the Hort Shop. Contact Dave Olson for further info & scheduling.

§ § § § §

THE HORT CLUB COOLER (198C) is scheduled for a thorough cleaning in May. There is an accumulation of branches, boxes, & general junk in the cooler. Owners have until May 7 to claim their possessions. Anything left at midnight on that day will be confiscated, thrown away, or sold at the Hort Club spring sale. Scott Aker

§ § § § §

FRUIT GROWTH DISCUSSION GROUP will meet at 8:30 a.m. on Wednesday, May 7 in 398 AlderH. We will be discussing 2 papers entitled: "Embryogeny of Phaseolus cocineus: The Ultrastructure of the Suspensor" by E.C. Young & M.E. Clutter [Can. J.

!! OVER - OVER - OVER !!

Bot. 57:120-136, 1979] & "The Effect of Suspensor on Phaseolus vulgaris Embryo Protein Content" by T. Brady & E.D. Walfhall [Devp. Biol. 107:531-536, 1985]. Copies are posted by the grad p.o. boxes.

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LITTLE DANE STIMART was born on April 19, weighing in at 10lbs/1oz. Proud parents are Dennis & Judy Stimart.

§ § § § §

CHAD'S CHATTER - Spring Picnic. I have started planning a departmental spring picnic. Friday, June 13 has been suggested as a good date to hold this. Last year the picnic was held at Lake Johanna. The social committee provided charcoal, drinks, condiments, paper goods, ice, etc. & everyone brought their own meat to cook & a potluck dish to share. I would like any early input on changes to make or any other suggestions before I get the ball rolling on this. Drop a note in my box & watch the bulletin board & Twig for further details. Thanks -- Chad

§ § § § §

MICROCOMPUTER SEMINARS - The June 3rd computer seminar "Upgrading Your IBM Microcomputer," has been moved to June 10th. There will be a series of 3 introductory to computer seminars on Tuesdays from 12 noon to 1 p.m. in 310 AlderH. Everyone is invited to attend. Contact M. DeBower for info (4-2781). Topics are as follows: May 13 - Computer Lingo & Computer Hardware; May 27 - Disk Operating System (DOS); & June 10 - Upgrading Your IBM Microcomputer.

§ § § § §

INTERVIEW SCHEDULE for Mr. Gary Kesler is on the counter in the office. Mr. Kesler is a candidate for the landscape architecture position that is currently vacant. His public lecture will be on Thursday, May 8 at 10:30 a.m. in McNeal Hall.

§ § § § §

PLANS ARE SHAPING up to convert our Water Tower parking lot to angle parking around an elliptical center. The center will be green/landscaped. This preserves green space but increases the number of cars that can be accommodated.

§ § § § §

THOSE NEEDING Phaseolus germplasm increased may want to see Dave Davis or Karl Sauter. Limited amounts of material could be accommodated at Becker in mid-May. Becker is a good place to produce seed with minimal bacterial, virus & leafhopper problems as compared to St. Paul.

§ § § § §

VAST IMPROVEMENT -- An abbreviated 9-person Hort Horrors team scored twice as many runs as last week while allowing their opponents only 1/5 as many runs as the previous opponent -- mathematical translation: The Horrors still lost, but only 8-2 playing Old Time Baseball. In spite of blustery, arctic conditions, everyone warmed to the occasion with spectacular efforts. Hot bats included Kevin Lenz, Paul Read & Sig Assev. Many sizzling defensive feats cooled potential rallies. Shortstop Kevin snared searing smashes & teamed with 1st baser Paul for close forceouts. From 2nd base, Susan Stombaugh took direct aim at Chad Finn to nail a runner at home. Pitcher Bridget Ruummele & Carol Wylie at 3rd covered the pop-up put-out department. Bridget also nabbed a scorching shot without screaming, ducking or flinching (amazing). In right field, Barb Fick steamed ahead to put sinking flies on ice. Ben Bergman, Kirk Pomper, & Sig alternated in the other outfield positions. The most unusual & easiest out occurred when one opponent was otherwise occupied. Play-offs start next week.

§ § § § §

MARK YOUR CALENDARS - The annual Hort Club Bedding Plant Sale is May 21, 22 & 23. Flyers are on the counter in the office.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - # 12 -- May 9, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MAY 12-16

- MON - Telephone Cut-Over Date
- Floriculture Seminar - "My Philosophy of Research & Graduate Education" - by Dr. T. Soulen, 3 p.m., 398 AlderH
 - Monday Night Discussion - "Bud Development in Asparagus officinalis in Relationship to Stand Establishment" - by Rhoda Burrows, 7 p.m., Fireplace Room, McNeal Hall. After-session at Jim Bartz's, 1975 Autumn Street
- TUE - Staff Meeting, 8:30 a.m., 394 AlderH
- Departmental Coffee - 2:30 p.m., 394 AlderH. Treats this week provided by S. Munson & K. Lloyd
- WED - Departmental Seminar - 4 p.m., 415 AlderH. Dr. Ann Pflaum from UofM Academic Affairs will be the speaker.
- FRI - Plant Cold Hardiness Discussion - Last week of Plant Molecular Biology Discussion. Gene Cloning covered by K. Niemi. Noon, 398 AlderH

WEDNESDAY SEMINAR -- Be sure to plan to attend this week's departmental seminar. This is the first seminar in preparation for the retreat coming up in June. Dr. Ann Pflaum from Academic Affairs will be speaking to us about the planning process. All department members are welcome to attend this seminar.

§ § § § §

NEW PHONE #s for St. Paul Computing Center:

Main Office - 4-7788; Help Line - 4-6235;
Computer Room - 4-3482; Data Entry - 4-7297;
Micro Lab - 4-3269

§ § § § §

FULBRIGHT SCHOLAR PROGRAM - Information has been received regarding the Fulbright research & lecturing grants for 1987-88. Application deadlines are June 15, September 15, January 1, & February 1. For more information see Laura.

§ § § § §

Life is a tragedy for those who feel, & a comedy for those who think. Chinese Fortune Cookie

§ § § § §

CONGRATULATIONS to the greenhouse crew in a brave effort to clean up the greenhouse work areas. Let us all be supportive & do our part by aiding, keeping our own areas cleaner & placing all items in an appropriate area.

§ § § § §

TELEPHONE cut-over date is Monday, May 12. This means that the old black AT&T phones will be forever silent, never to ring again. Unless, of course, they change the cutover date.

§ § § § §

TWIG READ THAT Shigemi Honma (PhD UofM 1953) is to retire from Michigan State. A note from some of his friends here, we bet, would be appreciated.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #13 -- May 16, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MAY 19-23

- MON - Floriculture Seminar - Bud Markhart - "The Development of a Research Philosophy" - 3 p.m., 398 AlderH. All welcome!!
- Graduate Student Meeting - 4 p.m., 415 AlderH
 - Monday Night Discussion - "Reproductive Biology in the Chrysanthemum Complex" - by Neil Anderson, Fireplace Room, McNeal Hall, 7 p.m. After-session at Bridget Ruummele's, 2083 Dudley Avenue
- TUE - Departmental Coffee - 9:30 a.m., 394 AlderH. This week's treaters are W. Hackett & B. Zimmermann
- Consultative Committee with the rest of the faculty, 3:30 p.m., 394 AlderH
- WED - Fruit Growth Discussion Group - 8:30 a.m., 398 AlderH.
- Departmental Seminar - "Cold Tolerance in Less Hardy Plants" - by Dr. Rita Hummel, former grad student of this department, former assistant professor at Florida, & presently assistant professor at the Washington State University Puyallup Experiment Station
 - Hort Club Bedding Plant Sale, 9 a.m. to 5 p.m., Student Center
- THU - Hort Club Bedding Plant Sale - 10 a.m. to 6 p.m.
- FRI - Hort Club Bedding Plant Sale - 9 a.m. till sold out
- Plant Hardiness Discussion - Bud Markhart will reflect on a recent plant water stress symposium he attended, 12 noon, 398 AlderH

HORT CLUB PRE-SALE for the department is 4 to 5:30 p.m. today at the poly house. The regular sale is Wednesday, Thursday & Friday of next week. It will include plants brought in for the sale. The pre-sale will be all student-grown material.

§ § § § §

GRADUATE STUDENT MEETING - A general student meeting will be held on May 19, at 4 p.m., in 415 AlderH. Agenda items will be placed in your p.o. boxes.

§ § § § §

HOW TO KNOW When You Are Getting Old: Your favorite part of the newspaper is 20 Years Ago Today; You turn out the lights for economic rather than romantic reasons; Your knees buckle & your belt won't; you're 17 around the neck, 42 around the waist, & 96 around the golf course.

§ § § § §

CONGRATULATIONS to Mark Brenner for being the recipient of the Palmer Award. The Palmer Award is in honor of Leroy Sheldon Palmer (1887-1944), former professor & head of the division of agricultural biochemistry at the University of Minnesota & author of a major chromatographic work on carotenoids & related pigments. The purpose of the award is to recognize & encourage the art & science of chromatography.

§ § § § §

A MEETING will be held on Wednesday for all those who would like travel info for ASHS meetings in Davis. The meeting will be at 3 p.m. in 394 AlderH. If you have any questions contact Neil Anderson or John Dole.

§ § § § §

FRUIT GROWTH DISCUSSION Group will meet at 8:30 a.m. on Wednesday, in 398 AlderH. We will be discussing 2 papers entitled: "Flower & Fruit Abortion: Proximate Causes & Ultimate Functions" by A.G. Stephensen [Ann. Rev. Ecol. Syst. 12:253-279, 1981] & "Cytokinin Metabolism in Phaselous Embryos" by Y.L. Machteld, et al. [Plant Physiol. 77:635-641, 1985]. Copies are posted across from grad p.o. boxes.

§ § § § §

WORK & STUDY IN HORTICULTURE ABROAD - A number of opportunities are available to those seeking horticultural experience abroad. They vary as to the type of experience, working or studying conditions, fees & remuneration, & time & length of stay. The International Study/Travel

!! OVER - OVER - OVER !!

Center maintains study/work/travel advising services & library to assist you, as well as the travel services desk & international study/travel agency to work out your travel plans. For further information on the several opportunities available see Evonne Kuyper in 305 AlderH.

§ § § § §

SUBLET parking space in lot #169 (directly in front of the building) from June 16 through August 15. If interested see Evonne.

§ § § § §

CSRS plans to make a limited number of grants for research on factors limiting symbiotic nitrogen fixation for crop production in developing countries in fiscal years 1986 & 1987. Preproposals are invited that use cultivar-strain-soil interactions to improve the biological nitrogen fixation capacity & yield of field-grown legume crops in developing countries. For more info see Laura Kalisch.

§ § § § §

PHONE TROUBLES? Call 5-0006.

§ § § § §

LAST MINUTE REMINDER for 2 scholarship opportunities. The Garden Writers Association of America application deadline is May 30 & the Curtis Dearborn Memorial Horticultural Scholarship deadline is June 1. If you are interested in either or both of these scholarships see Laura Kalisch.

§ § § § §

PLEASE REMEMBER not to make coffee after 3 p.m. during the summer months.

§ § § § §

CONGRATULATIONS to Insun & Moonja Chung who became the happy parents of a 6 lb baby girl yesterday at 6 p.m.

§ § § § §

CHAD'S CHATTER - The spring picnic has been scheduled for Friday, June 13th. Last chance for imaginative input on location & activities. Drop a note in my box with suggestions. Sign-up sheets & more info will be posted & distributed next week. Thanks!!

§ § § § §

VICTORY AT LAST!!! The Hort Horrors triumphed 7-1 in their 1st playoff game against the Epidemics onslaught. Solid hitting & accurate fielding were contagious among the Horrors. Paul Birnberg launched a solo home run, Chad Finn, Jeff Schussler, Kevin Lenz & Rick Stapfer smashed long drives. Bridget Ruummele drove in 2 RBIs, including the winning run. Outfielders Chad, Theresa Nowak, Chipper & Todd Perkins, Jeff & Rick were errorless in catching fly balls. Carol Wylie winged direct throws from 3rd to 1st base for 2 of the final 3 outs. Frank W & Kevin alternated at shortstop to keep anything from leaving the infield between 2nd & 3rd. Julie O'Leary, at 2nd, ably assisted in the out department. Paul Read & Paul B. traded off anchoring 1st, making several force outs. Bud Markhart & Bridget switched catching & pitching duties halfway through the game.

§ § § § §

!! Have A Good Week !!



TWIG-BENDER

Vol. 5 - #14 -- May 23, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - MAY 26-30

- MON - Memorial Day Observed - University Holiday
- TUE - Disk Operating System Seminar - 310 AlderH, 12 noon
- WED - Departmental Seminar - 3 P.M., In preparation for the departmental retreat, panel discussion. Panel members include: J.P. McKinnon, C.G. Hard, R.E. Widmer & S.T. Munson
- THUR - Monday Night Discussion - Refreshments at Jane McKinnon's beginning at 6 p.m., 644 N Birch Lane, Shoreview, followed by Jeremy Treadwell's presentation - "Optimum Sampling of Potato Populations" at 7 p.m. Sign up on the bulletin board behind the grad student p.o. boxes if you will be attending

We are sorry to learn that Paul Li's mother passed away on May 20. The funeral in Tiawan is to be the 27th. Paul is expected back late May or early June.

§ § § § §

SPRING QUARTER & I SUMMER SESSION graduating seniors include: Paul Hausladen, Pauline Evenson, Linda McCarthy, John McCarthy, Laura Peterson, Roy Robison, Daniel Voss, David McClure & Jeffrey Buell - Congratulations!!! Advisors are reminded of the recognition dinner on May 27. Please RSVP to Evonne today.

§ § § § §

HAVE LENT, need back: Theory of Plant Breeding, by May. Please return to Dave Davis.

§ § § § §

DR. E.J. STADELMANN has been awarded a Fulbright grant to lecture & conduct research in Austria. Congratulations!!

§ § § § §

DR. WILLIAM RANDLE, former graduate student in this department, has received the Louisiana State University Alumni Federation Award which recognizes the top 10% of all LSU faculty university-wide.

§ § § § §

WILL THE PERSON who borrowed the engraver from 327 AlderH (Brenner's lab) please return it immediately. Thanks

§ § § § §

UofM GRADAUTE SCHOOL Fellowship Office has announced the opening of the 1987-88 competition for Fulbright & other grants for graduate study abroad administered by the Institute of International Education. A critical part of the application is a well-defined study proposal, & those interested are encouraged to begin planning now. October 1 is the campus application deadline. See the poster in the back hall-way. If you have questions call the Grad School Fellowship Office at 5-7579.

§ § § § §

CONGRATULATIONS to the Hort Club for growing A+ quality plants. You do us proud in more than one way! HFW & REW

§ § § § §

FLORICULTURE seminar has been cancelled because of the retreat on June 2.

§ § § § §

IF YOUR PROJECT is currently renting or owns a tractor or other self-propelled machine, please stop by Laura's desk. Thanks.

§ § § § §

PLEASE BE SURE to return your retreat plans memo to Laura no later than Tuesday afternoon. Thanks.

§ § § § §

TO THOSE WHO want to contact folks at the HRC, & only get a recording, call the arb at 443-2460, & ask the receptionist to raise them on the radio.

§ § § § §

PUBLICATION:

Jeanne M. Grout & Paul E. Read. 1986. Influence of Stock Plant Propagation Method on Tissue Culture & Leaf-bud Propagation of 'Northblue' Blueberry. J. Amer. Soc. Hort. Sci. 111(3):364-365.

§ § § § §

! OVER - OVER - OVER !

§ § § § §

CONTRIBUTIONS to the flower fund are still being accepted from both faculty & civil service.

§ § § § §

CHAD'S CHATTER - Remember the departmental spring picnic scheduled for Friday, June 13 at Lake Johanna. Sign-up sheets have been posted on the grad student bulletin board. Let's have a great turn-out & hope for great weather!

§ § § § §

§ § § § §

PLEASE REMEMBER to buckle your seat belts, drive extra carefully & enjoy the long week-end! We want everyone back here next week.

!! Have as Good Week !!

TWIG-BENDER

Vol. 5 - #15 -- May 30, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 2-6

- MON - Department Retreat, Wilder Forest - 1st session begins at 4:30 sharp
- TUE - Breakfast - 8 a.m., Department Retreat - Wilder Forest
- WED - Graduate Faculty Meeting, 8:30 a.m., 394 AlderH
- Fruit Growth Discussion Group, 8:30 a.m., 398 AlderH
- Departmental Seminar - "Field Performance of Tissue Culture Derived 'Northblue' Blueberries" - presented by Carol Hartley, 3 p.m. 394 AlderH (note time & room change)

FULBRIGHT SCHOLAR PROGRAM, Faculty Grants, 1987-88 - guidelines & instruction book has arrived. The program serves 2 primary purposes: a) it enables Americans to learn first-hand about other countries; & b) it promotes academic & professional development. Anyone interested in the program should stop by Laura's desk.

§ § § § §

GUEST SPEAKERS for Bert Swanson's nursery management class will include Dr. Russ Melton, President of Safety & Systems Management, Inc. & Mr. Art Mason, Director of the Plant Industries Division of the Minnesota Department of Ag. Dr. Melton will address the class on the right to know law & other OSHA info. This is not a training class, but a good information session. Mr. Mason will speak to the class about plant quarantines & inspections. Both sessions will be in 415 AlderH, beginning at 8 a.m. (Mason) & 8:55 (Melton). Everyone is welcome to attend.

§ § § § §

KIRK -- we've all heard of being caught with your pants down, but really . . . !!

§ § § § §

HELP -- J. Dole &/or H. Wilkins need a Russian literate person to read 3 or 4 tables. Thanks.

§ § § § §

FRUIT GROWTH discussion group will meet at 8:30 a.m., on June 4. An article by Seddigh & Jolliff entitled "Remobilization Patterns of C & N in

Soybeans with Different Sink-Source Ratios Induced by Various Night Temperatures" will be discussed [Plant Phys. 81(1):136-141, 1986]. A copy is posted by the grad p.o. boxes.

§ § § § §

CHAD'S CHATTER - Just a reminder to sign-up for the picnic potluck. For those of you who have lost your memo: The picnic is Friday, June 13, 4 p.m. at the Lake Johanna picnic area; everyone along with their families & friends is welcome, all that we ask is that anyone who comes bring their own meat to grill along with a potluck item; the social committee will provide the rest (drinks, condiments, paper goods, charcoal, etc.); please bring along your favorite toys, i.e., sailboats/boards, volleyballs, nets, frisbees, etc. The sign-up sheets are on the grad bulletin boards & by K. Lloyd's desk. They are beginning to fill up fast so sign up soon. Thanks & I'm looking forward to a great time!!!

§ § § § §

GOOD MANNERS are the lies on which society glides. Unknown

§ § § § §

ALAS & ALACK!! A Horror-ible setback!! After an 11-5 win, 5/22 over Go Sam II, the Hort Horrors suffered a 13-12 defeat to the Greenbacks Thursday evening. Home runs by Paul Read & Kevin Lenz on 5/22 supported the errorless defense, including Bud Markhart's flawless pitching. Rick Stapfer maintained his 1.000 batting average through this second play-off game. Aided by several 1st inning walks, the Horrors sauntered to a 5-3 lead in last night's contest. The Greenbacks battled back to tie 6-6. Paul R.'s 3-run homer sent the Horrors ahead again 9-6, but it wasn't enough as the Greenbacks made a last inning rally to win. Jeff Schussler's sliding, diving catch in left field provided defensive excitement. Bud struck out 2 & caught a pop-up to put down all 3 batters in the 6th inning. Chad Finn's decoy base running enabled Jeff to slip in for 1 of the runs. Others contributing to these 2 dazzling endeavors are: Sig Assev, Paul Birnberg, Gina Fernandez, Theresa Kowak, Julie O'Leary, Chipper & Todd Perkins, Bridget Ruumemele, Susan Stombaugh, Frank Whiteman, & Carol Wylle. Watch out for the Horrors to return this summer! (p.s. The "real" reason we lost was because Rick washed his lucky shirt before the game & he'd said he wouldn't do it until the season was over.)

§ § § § §

!! OVER-- OVER -- OVER !!

PARTYTIME - We could call it nerds revisited, so put your dancing shoes on (polyester clothes are optional!). A party for Nancy Olson at Deb Brown's residence (great dancing floor), 2 Barton Road, SE, Minneapolis, on Sunday, June 8, 2-5 p.m. Watch your Twig for further reminders & details.

§ § § § §

WILL THE PERSON who borrowed the 2 student employment handbooks from Angie please return them immediately.

§ § § § §

EJS brought his portable Z 171 computer to the office, if you are interested in seeing it, stop by his office. Also, if anyone has the book Stress Physiology in Crop Plants, H.W. Mussell & R.C. Staples (eds.), please return it to Ed. It is charged out in his name at the library & they want it back. Thanks.

§ § § § §

UofM RESEARCH EXPEDITIONS (REX) is calling for proposals for spring & summer, 1987. REX is a new proram in Extension Classes & offers faculty

researchers who want to become involved, the opportunity to have volunteers assist in their field research. Stop by Laura's desk for more info about this new & interesting program.

§ § § § §

MORE CHATTER FROM CHAD - Anyone interested in UofM football season tickets & would would like to join our block should get the form from the Daily, fill it out & drop it in my p.o. box. A check for \$36 for each ticket made out out the UofM should also be attached. DEADLINE is May 31, so I need the form & checks by this afternoon (5/30). There is a form in my p.o. box that can be copied if necessary.

§ § § § §

& LAST BUT CERTAINLY NOT LEAST - Colleen & Gary Krank have become the proud parents of a healthy baby girl. Katherine Elizabeth was born yesterday morning, tipping the scales at 9 lbs, 15 oz, she was 21 inches long. Congratulations!!

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #16 -- June 6, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 9-13

THU - Spring Quarter Faculty Assembly, 3:30 p.m., 33 McNeal Hall

FRI - Departmental Picnic, Lake Johanna

PLANT MOLECULAR GENETICS INSTITUTE

Candidate Seminar will be Thursday the 12th. "Lectin Genes & An Insertion Sequence Family in Soybean" will be presented by Dr. Lila Vodkin, Research Geneticist, Beltsville Agricultural Research Center, USDA. Seminar will be presented at 2:30 p.m. in B35 Classroom Office Building.

§ § § § §

THE SPRING QUARTER Faculty Assembly will be held on 6/12/86, 3:30 p.m., 33 McNeal Hall. All faculty are strongly encouraged to attend this meeting. Faculty participation is essential for effective communication of information on issues affecting faculty in the COA.

§ § § § §

PUBLICATIONS:

H.F. Wilkins, K. Grueber, W. Healy & H.B. Pemberton. 1986. Minimum Fluorescent Light Requirements & Ancymidol Interactions on the Growth of Easter Lily. J. Amer. Soc. Hort. Sci. 111(3)384-387.

J.J. Luby, W.H. Alderman, S.T. Munson, D.K. Wildung, W.H. Gray & E.E. Hoover. 1986. 'Alderman' Plum. HortScience 21(2)327-328.

§ § § § §

ALL HORTICULTURE faculty & students are invited to attend the landscape architecture final presentations next week. Grade 1 students will display their work Thursday, June 12, from noon til 2 in rooms 108 & 110 of the Student Center at a wine & cheese reception. Grade 3 students will present their thesis projects in continuous juries 8-5, Tuesday & Wednesday, June 10-11 in the North Hall theatre. Stop by even for a few minutes to see the students' work.

§ § § § §

PARTY FOR Nancy Olson - You needn't be a nerd to come to our Sunday soiree for Nancy. It's 2-5 at Deb Brown's, 2 Barton Avenue SE, Minneapolis. Your hosts: Deb Brown & Neil Anderson, Nerd Gala Specialists

§ § § § §

CHAD'S CHATTER -- Don't forget to sign-up for the picnic this coming Friday. Pot-luck provided by all, entrees provided by you, & extras provided by the social committee. Sign-up sheets are still behind the grad p.o. boxes.

§ § § § §

SATURDAY, JUNE 7 at 9:30 a.m., is the Minnesota Berry Grower Association field day. If you would like to go, contact Emily Hoover. We will be leaving at 8:30 a.m. & be back early afternoon.

§ § § § §

INTERNATIONAL BEAN INSTITUTE - Wednesday, June 11, Pete Ascher will discuss 'The Evolutionary Origin & Relationships in Phaseolus' - 398 AlderH, noon.

§ § § § §

WHOEVER LEFT the greenhouse cart out by the grad student picture gallery, please take it back. Thanks

§ § § § §

STOLEN COMPUTER manuals & disks - The computer lab on 2nd floor is currently missing parts of the StatPac Manual & assorted disks. If the situation does not improve, drastic measures will be taken to correct this problem (i.e., tying the manuals to the wall & re-keying the door associated with a strict key issuance policy). We sincerely hope not to subject the users to this, however, if drastic measures are called for they will be implemented. The Computer Committee

§ § § § §

REMINDER TO FACULTY & SUPERVISORS - Students' work-study awards will run out on June 14. Any hours worked after that date will not be paid by work-study funds. Rather, they will be charged to your budgets for 100% of the cost. If these students are awarded work-study funds for the 1986-87 academic year, please have them see Angie as soon as possible.

§ § § § §

WILL THE PERSON who borrowed the 2 student employment handbooks from Angie return them immediately.

§ § § § §

!! OVER - OVER - OVER !!

DR. LEON SNYDER was awarded The Silver Seal by the National Council of State Garden Clubs, Inc., on May 28, 1986, in Chicago. The Silver Seal is awarded an individual, organization or institution other than Garden Club for special contributions toward the advancement of the work of garden clubs. Dr. Snyder was nominated by the Minnesota Federated Garden Clubs. Congratulations!!

\$\$\$ \$

ON TUESDAY, JUNE 24 the Horticulture Research Center is hosting the Minnesota/Wisconsin Apple Growers Association summer tour. The tour begins at 9:30 a.m. & will go through lunch. There is no registration fee but lunch is \$6. If interested in helping, contact Emily Hoover by June 17.

\$\$\$ \$

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #17 -- June 13, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 16-20

TUE - Plant Molecular Genetics Institute
Candidate Seminar - "Molecular
Characterization of Geminiviruses" - by
Sondra Lazarowitz, Department of
Embryology, Carnegie Institution of
Washington, Baltimore, MD -- 11 a.m.,
335 Borlaug Hall

RETIREMENT CELEBRATION - The retirement party
for Mr. Kenneth Corsaw has been scheduled for
June 25 at Shirley Munson's home. To provide food
& beverage, we ask that your RSVP to Laura
Kalisch by Friday the 20th.

§ § § § §

SPECIAL TOUR FOR HEARING IMPAIRED VISITORS
- A special signed language tram tour of the arb
will be conducted on Friday, June 20, 10:30 a.m., by
Peg Grover. The tour will provide an opportunity
for hearing impaired visitors to learn more about the
arb & its activities. Peg Grover is an arb volunteer
who has taught & worked with deaf children.
Reservations are required for this tour. For more
info call the arb.

§ § § § §

DON'T COOL IT - Someone used a greenhouse
cooler on Friday, June 6 to house some beverages.
They also reset the thermostat so the temp dropped
to 32°F. There were cuttings stored in the cooler.
Do NOT reset refrigerators without agreement of
other users!!! Do NOT reset refrigerators for
personal use!!! Thanks

§ § § § §

CONGRATULATIONS to Dr. M.L. Bennett who has
accepted the State Extension Specialist, Vegetable
Crops, position at Ohio State University. Mark will
be leaving sometime in July so the next time you
see him in the halls better say good luck!!

§ § § § §

THANKS to group leaders Sonja, Bud, Marna, Phil,
& Barb, & a big thanks to John Carter for his
successful E.D.P. project proposal which will help
fund the cost of the retreat. The time required was
totally for the "good of the department" -- and we
appreciate it John!

§ § § § §

PUBLICATION: Tseng, M.J., C.L. Zhang & P.H.
Li. 1986. Quantitative measurements of
Mefluidide Protection of Chilled Corn Plants. J.
Amer. Soc. Hort. Sci. 111(3):409-412.

§ § § § §

JAPANESE TREE PEONIES - The arb will have a
display of the gold medal award winning, closeup
photographs of Japanese tree peonies by Sir Peter
Smithers. The 3x5 feet Chibachromes will be on
display from 6/7 through 6/19. Sir Peter Smithers
is an Englishman, who lives & gardens in
Switzerland. His garden contains over 10,000
kinds of plants. He has received 4 gold medals
from the Royal Horticultural Society for
photographs of plants.

§ § § § §

JANE MCKINNON'S recently published book "A
Green Hill Close By" is now available, published by
the Douglas County Historical Society of
Alexandria. The book is a history of the Mound
Grove Cemetery in Evansville & touches the lives
of many of the people buried in Mound Grove.
The book also reveals the values & aspirations of
Evansville people in the past 100 years. Jane did
extensive research into the growth of the
cemetery since it was established in 1873.

§ § § § §

POSITION AVAILABLE -- Funding has been
obtained to support a masters student from a grant
entitled "Pistillate Flower Production & Retention
in Eastern Black Walnut". The position is at the
department of horticulture at the University of
Missouri-Columbia. If you are interested, see the
listing in the MS job book.

§ § § § §

ANN RABAEY wants you to know that her address
for the next 3 months is Taitoniekantie, 9A409,
40740 Jyvaskyla, FINLAND

§ § § § § §

!! OVER - OVER - OVER !!

TWO STUDENTS graduating from our sister institution, the Agricultural University of Vienna, would like to come to Minnesota for the summer & work in the lab or field, either on campus, a branch station, or in industry. Both have a sound agricultural education at the MS level. If you are interested or have any suggestions where they may find such an opportunity, please contact Ed Stadelmann in 228 AlderH (4-2467) as soon as possible.

§ § § § §

THE MATERIAL SAFETY data sheets are kept in the main office on the card file by the vehicle check out. For problems after hours, for 24 hour info, call the Poison Control Center in St. Paul at 221-2113. If you forget the number try to remember it is listed in the St. Paul phone directory under Poison Control Center or in the Minneapolis book under Poison Information Center, or dial 911.

§ § § § §

FOR THOSE INTERESTED in traveling together to Davis, we will be leaving August 10 at 10:30 a.m. The flight is United #797, which has a stop over in Denver & arrives in Sacramento at 1:39 p.m. If reservations are made through United's convention desk (1-800-521-4041) an additional 5% discount will be taken off. The convention ID number is 6012C, you will need this number to make the reservation. For more info contact John Dole. Remember seats are limited so make your reservations now.

§ § § § §

IF ANYONE lost (left) a set of car keys at the cold frames, see Laura K.

§ § § § §

MICROCOMPUTER SECURITY LOCKS - We are currently putting together an order for security lock kits. These kits consist of 3 adhesive pads, a 6' cable & a key lock. They are a very strong deterrent for the spontaneous theft. The cost will be about \$55/kit. The more we order the cheaper we can get them. If you would like to see one in action or order one, see Mark DeBower.

§ § § § §

COFFEE CANS -- Anyone who has a use for 3lb coffee cans please see me. I have like a dozen, & they're too nice to throw away -- Ben B

§ § § § §

FLOWERING PHYSIOLOGY interested researchers take note that Abe Haley is editing a new newsletter, Flowering Newsletter. Receive it by sending him \$5 (cash). HFW has Vol. 1(1) if you're interested in seeing a copy.

§ § § § §

CHAD'S CHATTER -- The picnic is today at 4 p.m., Lake Johannma picnic area. EVERYONE along with their family & friends is welcome, all that we ask is that anyone who comes along bring their own meat to grill along with a potluck item. The social committee will provide the rest (drinks, condiments, paper goods, charcoal, etc.). Please bring your favorite toys, i.e., sailboats/boards, volleyballs, net, frisbees, etc. We'll see you at the lake as soon as you can escape. If you didn't sign up come on out anyway; just try to bring something to share along with your grill meat. To get to Lake Johanna go to Larpenteur going west, take a left on Fairview going north, stay on Fairview past Rosedale, a few miles (no more than 4) past Rosedale, Fairview runs right by Lake Johanna's picnic area. If you have questions, see Chad soon.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - 18 -- June 20, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 23-26

- TUE - Minnesota/Wisconsin Apple Growers
Tour - 7:30 a.m., HRC
- WED - Nurserymen's Day at the Arboretum, 8
a.m.
- Poster & graphics session, 394 AlderH,
4-5 p.m.
 - Retirement Party for Ken Corsaw, 6
p.m., Munson Manor, Lakeland
- FRI - Strawberry Picking at HRC, 5 p.m.

PARTY TIME!! Wednesday, June 25, 6 p.m.
social hour, 7 p.m. dinner is the plan for
Kenny's retirement celebration. Reservations
are still being accepted by Laura Kalisch. The
party will be held at Shirley & Roy Munson's,
#25 Lakeland Road, Lakeland. Maps are
available from Kathy Lloyd in the main office.

§ § § § §

GRADUATE SCHOOL Tuition Scholarship
application deadlines are posted in the back
hallway by the grad student p.o. boxes. The
scholarship provides a single quarter partial or
full tuition waiver for a minimum of 7 &
a maximum of 15 credits. Applicants must have
completed 3 quarters in residence in the UofM
grad school & be a U.S. citizen or permanent
resident. See the flyer for additional info.

§ § § § §

CHANGES IN TRAVEL REGULATIONS - Effective
July 1, 1986, University Travel Regulations will
change to reflect new policies & reimbursement
allowances. Travelers will receive copies of the
revised regs as soon as available. A few
highlights are as follows: 1) The U has
negotiated discount rates with National, Budget,
& Hertz car rental agencies. Discounted rates
will be available to U employees for personal, as
well as professional, travel. 2) Meal rates will
include 3 classifications: Metro/\$32;
Non-metro/\$25; 6-City/\$42. These amounts
will be for daily limits; travelers will have the
option of how to expend the reimbursement
amounts during the course of the day. 3) With
certain exceptions the U will provide cash
advance for miscellaneous expenses only. The
advance will be limited to a total of \$25/day
plus \$50/trip; however, no advance of less than
\$100 will be issued. 4) Regarding deviations
from authorized spending amounts, when travel
is being funded through sponsored programs, all
sponsoring agency guidelines must be followed
& predetermined maximums can't be exceeded.

§ § § § §

CIVIL SERVICE Staff & Supervisors are reminded
of the meeting scheduled for Thursday, June
26, at 10 a.m. in 394 AlderH. We will be
discussing the compensation plan & the merit
evaluation system. This is a very important
meeting & all civil service employees & faculty
supervisors are urged to attend.

§ § § § §

ALL ISHS ATTENDEES: There will be an informal
poster-making & graphics session in 394 AlderH on
Wednesday, July 25, at 4 p.m. If you have put
together posters before, bring them along to share. If
this is your first time, come on by & see the multitude
of graphics possible to use. Questions? See Neil
Anderson

§ § § § §

CROPS & SOILS Field Day at the Southern
Experiment Station (Waseca) is Tuesday, June 24, &
will direct attention to the efforts of a number of
departments cooperating in research activities with
the station, services of the Minnesota Extension
Service, & other ag agencies. Kick-off activity
scheduled is the orientation tour at 5 p.m. followed
by a steak fry & a brief program.

§ § § § §

ATTENTION!! Please discontinue spending money
from the 0302 accounts. The accounting department
is closing books for the year.

§ § § § §

NEW PHONE # for the Grand Rapids experiment
station office is 218-327-4490 as of Monday, June
23.

§ § § § §

THE NATIONAL Collegiate Honors Council recently
has announced an honors semester for study in
Mexico available to students on a competitive basis.
For info see Laura Kalisch.

§ § § § §

ANOTHER STRAWBERRY picking adventure is
scheduled for next Friday (the 27th) in case you
missed it this time.

§ § § § §

MINDING THE DIAMOND AGAIN -- The Hort Horrors
got off to a dynamite start to the summer season,
despite a 27-16 loss Thursday evening to Joe Blow.
Rick Stapfer safely hit each time at the plate,
although he is still aiming for the HR to right field.
Other long ball hitters included Brian Corr & Paul
Birnberg. Seung-Woo Lee added key smashes &
swift base running in his natural "spikes". Several
hitters contributed well-placed hits: Teresa Nowak,
Julie O'Leary, Chipper & Todd Perkins, Paul Read, &
Frank Whiteman. The dynamic outfield, strategically
choreographed by Paul B., dashed far & yon to
zero-in on several flies. This all-star group consisted
of Paul B., Chipper & Todd, Seung-Woo, Rick, Brian,
& Al Ducommon. Teresa at 3rd, Frank at SS, Susan
Stombaugh at 2nd, Paul R. & Todd alternately at 1st,
& Julie at home plate made impressive infield plays.
Bridget gave her best pitches to the men, striking out
2 of them.

§ § § § §

Have a Good Week!!

TWIG-BENDER

Vol. 5 - #19 -- June 27, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 30-July 4

- WED -Seminar - "Breeding Systems in Australian Acacia" - by Dr. Josephine Kenrick, 4 p.m., 415 AlderH
- FRI -University Holiday

THE ARBORETUM is offering a new series of tours this summer titled "Summer Excursions", for youth groups visiting the arb. The program is open to scouts, campfire, church, summer school & neighborhood groups of kids ages 7-12; minimum group size of 12. If you are looking for something special for a bunch of kids to do this summer contact Sandy Tanck at the arb.

§ § § § §

GONE BUT NOT FORGOTTEN - Dr. Ruth Shillo has left the department for New York City & Brazil. She will return to Israel in early September. Mail can be forwarded until mid July to her aunt, Mrs. B. Litsky, 22 Hutchison Court, Great Neck, NY 11023.

§ § § § §

KALISCH'S BELIEVE IT OR NOT -- The cleanliness & sanitation of the coffee room is not the responsibility of the office staff. If everyone would please wash their own dishes, pick up their own paper, & remove their own spoiled food from the fridge, the break room will once again become a more pleasant spot to gather. Thanks

§ § § § §

JOSEPHINE KENRICK, a member of Dr. R.B. Knox's research team, from the School of Botany, University of Melbourne, Australia, will be on the St. Paul campus July 2. If anyone is interested in meeting with Dr. Kenrick, please sign up for an appointment in the main office or contact Barbara Liedl.

§ § § § §

WEDDING CONGRATULATIONS are extended to Aida Lasheen & Dale Bredesen, who will be married tomorrow, June 28. Aida is the daughter of Dr. & Mrs. Aly Lasheen.

§ § § § §

EMPLOYMENT OPPORTUNITY - The Harris Moran Seed Co. is currently recruiting for a sales trainee in their Rochester, NY location. Basic requirements for the position include a BS/BA

from an accredited institution in an applicable field (i.e., hort, ag, business), preferably with ag/seed industry experience. The trainee would be involved in a 2-year program, in which they would be exposed to all relevant departments at Harris Moran Co. in order to develop a complete understanding of the seed industry. If interested send your resume to Ms. Mary C. Turcotte, Human Resources Specialist, Harris Moran Seed Co., 3670 Buffalo Road, Rochester, NY 14624; (716)594-9411.

§ § § § §

MILESTONES IN BIOTECHNOLOGY --

Before 6000 BC - Yeasts are employed to make wine & beer

Approximately 4000 BC - Leavened bread is produced with the aid of yeasts

1865 - The first rules of genetics are established by Gregor Mendel, an Eastern European monk

1944 - Oswald T. Avery & colleagues at the Rockefeller Institute for Medical Research (now the Rockefeller University) discover that genes are made of DNA

1953 - The double-helix structure of DNA is postulated by Francis H. Crick & James D. Watson

1973 - Herbert Boyer of the University of California, San Francisco & Stanley Cohen of Stanford University are the first to clone a gene

1975 - Georges Kohler & Cesar Milstein of the Medical Research Council in England create the first hybridoma

1976 - The National Institutes of Health introduces guidelines on genetic engineering

1980 - In landmark case, Diamond v. Chakrabarty, the U.S. Supreme Court rules that "a live, human-made microorganism is patentable subject matter"

1983 - First approval for release of genetically engineered microbes into the environment is granted by the National Institutes of Health

1985 - In the landmark Hibberd decision, the U.S. Board of Patent Appeals & Interferences declares that seeds, plants & plant cultures can be protected by product patents under the utility patent laws

§ § § § §

!! OVER - OVER - OVER !!

HELP -- My cheapo radio has disappeared from the hardiness lab. If anyone has borrowed it or seen it away from its home, please return it to me. Thanks -- Marna (music soothes the savage grad student) in 290.

§ § § § §

WE CAN LOOK at flowers in various ways. For example, I can see them from the viewpoint of a florist, a painter, or an artist who loves to arrange them. When I see flowers in a church, I take them as symbols of life. When I glimpse flowers around a casket, I regard them as symbols of sympathy & signs of the resurrection. If flowers are sent to me as a present, they become for me a symbol of attention, love, & friendship; accordingly, I will love these flowers & think of the person who did me this honor. J.C. Kersten

§ § § § §

SOIL SAMPLE RESULTS need a home. The week of June 13 someone sent in 7 soil samples for testing under HFW's name. They were designated as SJS or 5J5. To whom do they belong? See HFW

§ § § § §

INTERNATIONAL BEAN INSTITUTE - July 2 is again the first Wednesday of the month. Pete Ascher will offer his insight into the evolution of the genus Phaseolus at 12 noon in 398 AlderH.

§ § § § §

HERMES FLORAL on Larpenteur Avenue needs a full-time summer employee. See Widmer or Wilkins for full info.

§ § § § §

MISSING from the potato project -- grandular applicator. Mounted on bicycle wheel with Planet Jr. Hillers behind. Any info as to whereabouts appreciated. Contact Dick Wenkel.

§ § § § §

CLOSE ENCOUNTER!! Jabba's Huts shut the door 15-14 on a late inning Hort Horrors rally Thursday night. In spite of the score, the Horror team performed numerous outstanding feats, MVP Teresa Nowak, at 3rd, snatched a high line drive as well as throwing out runners at 1st & home, & tagging 2 more out at 3rd. Catcher "Kirby" Pomper sashayed with a runner at home while putting him out. Mr. "K" was later heard commenting that it was a difficult play because he prefers to lead. Shortstop Frank Whiteman nailed several runners at 1st. Chris S. came through with a clutch play at 2nd, while Pauls Read & Birnberg ably alternated anchoring 1st. Paul B. made an innovative attempt at a single-handed double play & knows the right way to do it next time. The dazzling, dashing, daring, & downright death-defying outfielders snagged numerous flies. The cast consisted of Julie O'Leary, Jeff Schussler, Brian Corr, Rick Stapfer, Seung-Woo Lee, & Al Ducommon. Bridget Ruemmele kept the batters stirred as she whipped up a potpurri of pitches. Everyone contributed solid hitting, including "Kirby" P., who went 4 for 4. The Horrors are off until 7/10, but will practice next Thursday, 7/3, at 5 p.m. on the gym field.

§ § § § §

AS WE CELEBRATE our nation's 210th birthday this coming Friday, remember the safety factor. Drive carefully, boat carefully, fire cracker carefully & return safely! We all want to celebrate #211 next year.

§ § § § §

!! HAVE A GOOD WEEK !!

TWIG-BENDER

Vol. 5 -- #20 --- July 2, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK JULY 7-11

- MON - SPECIAL FACULTY MEETING -- 12 noon
-- 394 AlderH
- TUE - Regular July faculty meeting cancelled
- NC-ASHS Meetings, Manhattan, Kansas

NOTICE TO ALL FACULTY -- There will be a SPECIAL faculty meeting for all faculty in house on Monday at noon regarding the 1987 Capital Request & 6 Year Plan. Because I feel responsible to all of you as per documents forwarded by me for you (our department), let us have a general meeting to discuss. All requests MUST be in the dean's office on Monday. Thanks for your cooperation -- H.F. Wilkins

§ § § § §

"When elephants fight -- the grass suffers" (Ovid)

§ § § § §

PUBLICATIONS:

Paul E. Read, Mary A. Hosier & Cynthia D. Fellman. 1986. Plantlet Formation in vitro from Castanea mollissima & its Transplantation to Greenhouse. Plant Physiology Communications. April 1986(2). Edited by Chinese Society of Plant Physiologists

§ § § § §

WELCOME TO CIVIL SERVICE -- Nancy Hinrichs has been offered & has accepted the position of Junior Scientist working with Paul Read's group. Nancy officially began her full-time position on July 1.

§ § § § §

A SAGA has ended. Puff Wilkins blew a head gasket & expired at the age of 16 years, 3 months, & 9 days on Friday, June 27, at 1:08 p.m. between Anoka & Elk River. Uncle Hal is now the proud parent of Puffdeau, a new, light blue, Ford Tempo. This vehicle was purchased on the spot at Elk River Ford, no snap decisions were made & a good bargain was struck at 3:45 p.m.

§ § § § §

NEWS FROM/ABOUT MOROCCO -- Abdu called Saturday (6/28). Nordine has found an apartment; family is expected next week. Abdu

plans to attend a genetics symposium in England next week. Lasheen will remain at Agadir through December -- he will begin a consultancy when his contract expires on 7/31. I will be going to Morocco, probably in September, to assist Abdu & Redouanne with the 86-87 Work Plan for AID. My invitation for a scheduled phone call every 2 weeks was endorsed & will begin this fall. We still need senior faculty willing to spend 3-6 months in Morocco during the period 1987-89 to assist grad students & develop research linkages with colleagues there. JFB

§ § § § §

The Thinker

I think
You thought
I thought
You were thinking.
You think
I thought
You thought
I was thinking.
Now, we think
We thought
Without thinking,
I think.

---Lee Fredericks

§ § § § §

MORE CODED Soil Tests have been given to soil testing under HFW's name. No name was given, to whom do they belong?

§ § § § §

EXTENSION FACULTY are reminded to turn in travel expenses for 1985-86 immediately if you want to be reimbursed. Thank you.

§ § § § §

CHAD'S CHATTER -- My blue lab book has sprouted legs & walked away from the greenhouse. If you picked it up by mistake, could you please return it to me. Thanks.

§ § § § §

HENRY LINDER, Jr. (Linder's Greenhouses), 691 West Larpenteur Avenue, St. Paul, has 3 greenhouses & land to rent, or for a student to take over the operation. Call 489-7965 (office), or 488-5241 (home).

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - #21 -- July 11, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JULY 14-18

SAT - Dedication of deVos Home Demonstration Gardens - 11 a.m., Arboretum

FACULTY/STAFF UPDATE FORMS - Please be sure to check the form you received from Central Addressing System Services & return it to them by August 1. If you did not receive a form see Laura.

§ § § § §

IN A RECENT SAFETY AUDIT the following people were designated to receive safety training if their position involves working with hazardous substances or conditions: Otto Andersen, Jacque Lynn Boyle, Catherine Carson, John Kippley, Mary MacLaughlin, Donald Obernolte, David Stevens, Carole Austin, Susan Hammes, Marie Juenemann, Rachel Klug, Steven Voss & Paul F. Anderson. I have no record of these people receiving any of the safety training I offered. If you are the supervisor of any of these employees, it is now your responsibility to see they receive training if they are still paid by your project. Please do this immediately. Thank you -- Margaret Hibberd

§ § § § §

A FISHY STORY: Sad news from 440 AlderH - Beauty & The Beast Betta have permanently separated after only 3 days of "wedded bliss". She was too much fish for him.

§ § § § §

DeVOS HOME DEMONSTRATION Garden dedication will be Saturday the 19th of July. The 9 gardens will present the arb's work in testing & evaluating plants for landscape use in scaled-down spaces available to the average homeowner. Dedication ceremonies will be at 11 a.m. in the Snyder Building auditorium. A week of activities is planned around the gardens which will serve as resources in horticulture & landscape design workshops. For more info call the arb.

§ § § § §

NEW ADDRESS for Brent & Inred Pemberton: 300 E 3rd Street, Tyler TX 75701, (214)595-0021. They say "Hi you-all"! It is hot & humid in TX & they miss MN.

§ § § § §

ON THE BRIGHTER SIDE: Happy news from 440 AlderH -- Mr. Boston Fern proudly announces the engagement of his daughter, Miss Maidenhair, to Mr. Ivy. The young couple plan to have many offspring trailing behind.

§ § § § §

CONGRATULATIONS to Roger Meissner who was recently reclassified to Sr. Research Plot Technician.

§ § § § §

RECEIVED IN CAMPUS MAIL: Dear Gardeners, I want to express my gratitude for the beautiful garden that is flourishing on the St. Paul campus. I drive by it every morning & it truly brightens my day. Thank you all & congratulations on a job well done! Denise Gimpel, SA-COMS

§ § § § §

CIVIL SERVICE COMMITTEE VACANCIES -- 3 vacancies (& up to 5 alternates) for 3-year terms beginning September, 1986 on the University Civil Service Committee will be filled by presidential appointment. A search committee will recommend a slate of candidates to the President. Application deadline has been extended to July 15 so if you are interested call John Felipe, 4-9547.

§ § § § §

CONGRATULATIONS are extended to the newly elected grad student representatives for FY 86-87. They are: Sonja Maki - President; Neil Anderson, John Schoenecker, Rhoda Burrows (alt.) - GSC Reps; Yves Costenguy - Seminar Committee; Barbara Liedl - Computer Committee; John Dole - COGS; Kathryn Louis - Faculty Meeting; Michael Evans & Kirk Pomper - Social Committee (they agreed to work together). Also, thanks are extended to the representatives for FY 85-86. You all worked hard & we accomplished many goals. We will be having an informal meeting of old & new reps to ensure a smooth transition. Neil Anderson

§ § § § §

!! OVER - OVER - OVER - !!

IF YOU ARE interested in receiving a copy of the COA & Experiment Station Faculty Telephone Numbers List see Laura.

§ § § § §

FOUND ITEMS - Kathy Lloyd has a watch & one earring at the reception desk. Describe & claim.

§ § § § §

RASPBERRY PICKING -- The first 20 department people interested in picking raspberries on Thursday, the 17th of July, should sign up on the sheet in the office. Festivities will begin as soon as everyone gets to the research center after work on Thursday.

§ § § § §

CALL FOR PROPOSALS -- The U has been awarded over one million dollars of Apple Macintosh computer equipment over a 3 year period. In consideration of this gift, faculty are requested to create innovative instructional software. This program has been given the title Project MinneMac (Minnesota Macintosh). For more info see the flyer on the bulletin board in the back hall.

§ § § § §

It is not necessary for all men to be great in action. The greatest & sublimest power is often simple patience. Horace Bushnell

§ § § § §

MANY SPOONS & FORKS have been removed from Shirley's kitchen. Please return them now. Thanks.

§ § § § §

SAFE, BUT SORRY . . . The Hort Horrors suffered a devastating loss in the top of the 3rd inning in last night's softball game when Rick Stapfer slid "safely" into 2nd, possibly breaking his leg in the effort. We wish you a "speedy" recovery, Rick. Kirk's friend, Brian, stood in for Rick at 2nd & eventually scored the 1st run of the game. The Horrors led Reckless Abandon 8-2 going into the bottom of the 6th, when the Abandons reeled off 11 runs as waves of mist made the field increasingly treacherous. Although the final score showed a 13-9 Horror loss, it was considerably better than the 39-1 defeat from the same team spring quarter. Jeff Schussler, Rick, Brian, & Chipper Perkins made great outfield catches in spite of the slippery conditions. Kevin Lenz pitched superbly, while still suffering from wounds inflicted by a Monday run-in with a truck on his motorcycle. Carol Wylie received a constant onslaught of hits from balls & runners, but firmly stood her ground at 3rd, the toughest position of the evening. Strong hitters included Frank Whiteman, Susan Stombaugh, Jeff, Teresa Nowak, & Todd Perkins. Julie O'Leary & Bridget Ruummele traded off guarding home. "Kirby" Pomper was unable to show his stuff after he volunteered to accompany Rick to the hospital. The next clash . . . er, game, is 7/17 at 7:50 p.m. on Bierman 8.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - #22 - July 18, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JULY 21-25

MON - Scientific civil service evaluations due to
Laura

1986 MINNESOTA STATE FAIR BOOTH -
Applications are now being accepted to staff the
U's booth at the fair. This year's exhibit focuses
on the new U of M Hospitals & Clinics & the
Health Sciences. The title is "The University of
Minnesota: Your Health Resource". If you are
willing to spend 4 hours at the fair stop by Laura's
desk & fill out the application form. Forms must
be returned to U Relations by August 1.

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CONGRATULATIONS - Hassan EIAttir &
Redouanne ChourkRallah have passed their
Doctorate exams (July 7 & July 14) with flying
colors!

§ § § § §

REQUEST FROM THE DEAN - The COA has
received a grant from the Otto Bremer Foundation
to conduct an initial rural appraisal of 50-100 farm
families in Redwood County. The survey will be
conducted from July 28 to August 8 with 2
member teams of a social scientist & an
agricultural scientist. The Dean is requesting
faculty & graduate student participation. For
further info contact Dean Allen's office or stop by
Laura's desk.

§ § § § §

Happiness is beneficial for the body but it is grief
that develops the powers of the mind -- Marcel
Proust

§ § § § §

PUBLICATIONS:

Lawford Baxter & Luther Waters, Jr. 1986.
Effect of a Hydrophilic Polymer Seed Coating on
the Imbibition, Respiration, & Germination of
Sweet Corn at Four Matric Potentials. J. Amer.
Soc. Hort. Sci. 111(4):517-520.

J.J. Luby & C.E. Finn. 1986. Quantitative
Inheritance of Plant Growth Habit in Blueberry
Progenies. J. Amer. Soc. Hort. Sci. 111(4):-
609-611.

§ § § § §

ANOTHER MISSING BOOK - In January of this year
Harold Wilkins ordered: 1 Book - Horticultural
Reviews Vol. 7. The book was delivered, signed for &
left in the back hall with all the other deliveries. The
problem is the book was taken before Harold had the
opportunity to pick it up. This is the second book
(that we know of) that has been delivered & the
purchaser hasn't received. Now is an excellent time
for everyone to go through their home & office
libraries & return all books that do not belong to them.
It is also an excellent time to remind people that
books are expensive & most of us cannot afford to
absorb such losses.

§ § § § §

USDA-ARS is looking for 100 new scientists to join
them for up to 2 years in special high-tech research
projects. The new scientists will be recruited through
the agency's research associate program that has
been expanded each year since it was introduced in
1981. Persons (U.S. citizens only) interested in
applying should contact the Agricultural Research
Service, Personnel Division, c/o N.L. Bakes, Buildign
003, Room 333, Beltsville, MD 20705

§ § § § §

DON'T FORGET about the dedication of the deVos
Home Demonstration Gardens tomorrow (7/19) at the
arb. The ceremony begins at 11 a.m. in the Snyder
Building auditorium, featuring Roy Taylor, new
director of the Chicago Botanic Garden & at noon Dr.
deVos will cut the ribbon to open the gardens.

§ § § § §

!! Have a Good Week !!



TWIG-BENDER

Vol. 5 - #23 -- July 25, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JULY 28 - AUG 1

EMPLOYMENT OPPORTUNITY - Part-time plant propagator for local nursery; opportunity to work into full-time career. Start at \$5/hr. Hours negotiable. For more info see Paul Read.

§ § § § §

HAVING PHONE PROBLEMS? It has been brought to my attention that several of you may be having problems with your phone service. PLEASE write down your specific problems & turn them in to Jay. We will then be able to contact the phone service and hopefully have all the problems corrected. Thanks -- L

§ § § § §

GRAD STUDENT GUIDELINES are being updated. If you received a section to revise please return it to Bud immediately. Thanks.

§ § § § §

MISSING - The department's dissolve unit is nowhere to be found & it is needed yesterday. Please return the unit now. Thanks. The letter gothic typing element used by the grad students is also missing. If you have it -- please return it.

§ § § § §

CONGRATULATIONS to the following Dean's List students from our department:

Landscape Architecture - Margaret L. Margosian, Paul W. Miller, William G. Perry & Augustine C. Wong

Horticulture - Scott M. Aker, Amy N. Burtis, Carolyn S. Jones, Melinda L. Salisbury, Pamela L. Sanders & Brooks K. Whitton

§ § § § §

FIRST FRIDAY SPECIAL -- Beginning August 1, there will be a "First Friday Special" on the first Friday of each month. The purpose is to bring the department together in a social atmosphere. The location will change each month. Everyone is welcome. The social will be BYOB (bring your own beverage & whatever else) beginning at 4:30 p.m. This Friday will be at Mannings.

§ § § § §

HONORS BESTOWED -- Dr. Wesley Hackett has received the American Association of Nurserymen's Norman J. Colman Award. This award recognizes horticultural research of interest to nurserymen. You may remember that Wes has also been elected one of the "Fellows of the ASHS - 1986".

Drs. Mark Brenner, Harold Wilkins & Brent Pemberton are the recipients of the ASHS Ornamentals Publication Award for 1986 for their paper entitled "Endogenous ABA Levels in Floral Bud Parts of the Evergreen Azalea During Floral Development".

Congratulations to all of you!!!

§ § § § §

EXTENSION SPECIALISTS - The 1985-86 EMU Highlights report is due in John Hoyt's office on August 15. Please stop by Vicki's desk to see last year's report & provide her with suggestions/changes for this year's report. Thanks.

§ § § § §

FOUND - A sugarless or near-sugarless recipe for jam. See Kathy Lloyd. Kathy has also found a 90 minute tape of Soulen's class (notes?) along with a pen.

§ § § § §

Nothing astonishes men as much as common sense & plain dealing. -- R.W. Emerson

§ § § § §

LOST IN THE HEADHOUSE on approximately July 8 - one olive-green mosquito headnet. Please contact Jim Luby if you know the whereabouts.

§ § § § §

VICTORY!! The Hort Horrors softball team split a double header Thursday evening, drowning the Greenbacks 10-3 before being alienated 26-5 by the Invaders of the Lost Mind. The Stombaugh Rule was in effect, evidenced by the double-sized white & orange 1st base. (Susan can explain the rule if you are confused). Everyone contributed strong hitting, notably P. Birnberg with a triple, T. Perkins, T. Nowak, J. Schussler & C. Finn. The team batted

!! OVER - OVER - OVER !!

around 1 inning in the 1st game, scoring 6 runs along the way. The outfielders caught numerous flies in both games. Spectacular catches were performed by Jeff, Susan, C. Perkins & B. Wilcox (a.k.a. "Kirk's friend"). K. Lenz & B. Ruummele alternated pitching, compiling a few strikeouts in the process. J. O'Leary, BR & KL tagged out several runners at home, thanks to the direct throws from both the infield & outfield. F. Whiteman & A. Ducommon made key plays at shortstop. K. Pomper & B. Corr also contributed to the contest. R. "Sidellned" Stapfer kept score from his director's chair. Playoffs start next week.

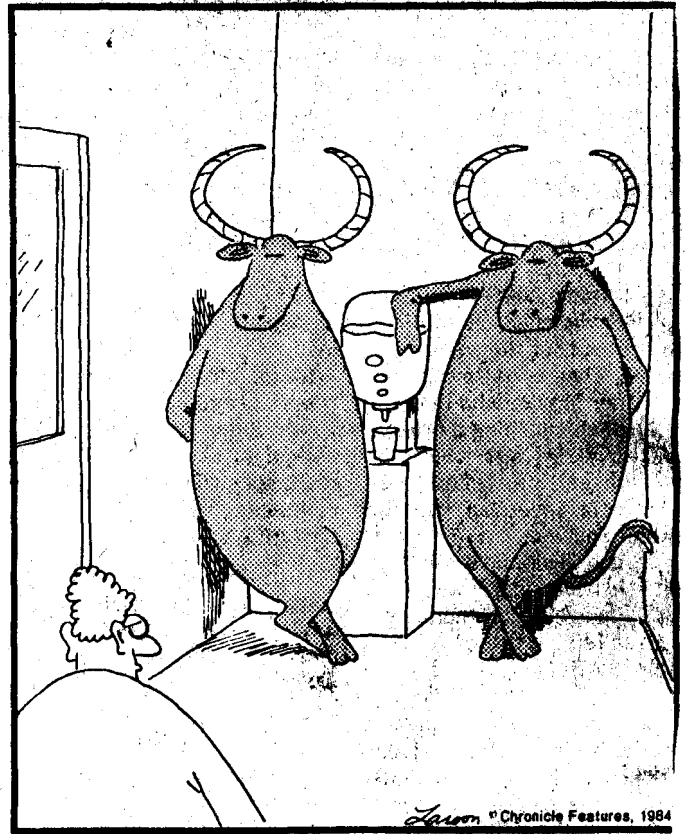
§ § § § §

ARTICLES for next week's Twig should be turned in to Ruth Harter.

§ § § § §

!! Have a Good Week !!

THE FAR SIDE



Water buffalos

TWIG-BENDER

MIW
H78t

Vol. 5, No. 24 -- August 1, 1986
305 Alderman Hall, St. Paul, MN 55103

Dept. of Hort. Sci. & Land. Arch.
Editor: Ruth A. Harter

THIS WEEK - AUGUST 4-8

August 6 - Ph.D. exam for Hassan Elattir on Wednesday, August 6, 1986, at 9:00 a.m. Thesis title is: "Studies on cold and plant responses to water stress and drought acclimation in Lycopersicon esculentum."

August 3-8 - Welcome to Participants of the VI International Congress of Plant Tissue and Cell Culture. An International Congress Program is available for perusal from Kathy in room 305.

August 8 - There will be an Ice Cream Social Friday, August 8, from 5:00 to 8:00 p.m. for Members and Their Guests at the Minnesota Landscape Arboretum. Further details are available from Laura in room 305.

DR. PETER LAPIN - Word was received last week that Dr. Peter Lapin, Head of the Moscow Botanical Gardens, and Director of the Soviet's Botanical Garden System, passed away. He was a true gentleman, kind, and a true scholar. He was a friend of several in the department. (HFW)

IMPROPER STORAGE OF LARGE CONTAINERS OF FLAMMABLE SOLVENTS SUCH AS METHANOL - All large quantities of flammable solvent (larger than quarts) must be in labelled safety containers to be stored anywhere in Alderman Hall. These containers are available from the General Storehouse catalog: 1) C20350, can gasoline safety, 1 gallon; 2) C20360, can gasoline safety, 5 gallons.

Alderman Hall has no proper solvent pouring room safely prepared for the

transfer from the 5-gallon shipping can to the safety can. Thus, you must send your can to the Chemical Storehouse and have it transferred there.

The solvent listed below and any other flammable solvent can no longer be stored in their shipping containers. I think we should have all these unsafe 5-gallon shipping containers out of the building by September 2, 1986 [order your solvents in quarts if you do not really need large quantities]. Some flammable solvents: methanol, ethanol, propanol, butanol, pentane, hexane, cyclohexane, acetone, xylene. (Margaret Hibberd)

TRAVEL PROGRAM GUIDE - Angie Klidzejs [room 305b] now has the new University guide for travel. This booklet became effective July 1, 1986.

BASEBALL! - One down, ?? to go! The Hort Horrors triumphed 17-3 over the FREE RADICALS II in their first playoff game Thursday evening. Frank Whiteman's pitching debut was awesome, as he allowed only 1 run and contributed many defensive outs, including trapping a runner in a rundown between 3rd and home with catcher Bridget "The Cripple" Ruemmelc. Kevin Lenz relieved Frank at pitching, allowing only 2 more runs while completing several defensive plays. Teresa Nowak at 3rd, SS Paul Birnberg, and Susan Stombaugh at 2nd threw many runners out at 1st thanks to Todd Perkins' errorless catches. Jeff Schussler saw the most outfield action, snagging any flies in his direction. Al Ducommon, Chipper Perkins, Kirk Pomper, and Nancy (Teresa's friend) ably covered the rest of the outfield. Nearly everyone hit well, notably Frank with 2 triples, Jeff, and Teresa. The non-hitter award goes to Paul, who drew 4 walks in 4 turns at bat, and enabled

TWIG-BENDER

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Vol. 5, No. 25 -- August 8, 1986
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Land. Arch.
Editor: Ruth A. Harter

THIS WEEK - AUGUST 11-15

August 11-15 - I.N.A.S.H.S. and A.S.H.S. Meetings in Davis, California.

August 13 - There will be a class in 'Plants for Shady Areas' taught by Mervin Eisel at the Landscape Arboretum. Meet in Classroom II. Fee for class is \$6 for members and \$8.50 for nonmembers.

August 14 - The Minnesota Landscape Arboretum Herb Symposium will be held from 8:30 to 4:00 p.m., Thursday, August 14. For registration and additional information, please call Theresa Mieseler at the arboretum, 443-2460.

CONGRATULATIONS HASSAN -

Congratulations to Dr. Hassan Elattir on passing his Ph.D. oral exam this week. Well-done!

PARTY - PARTY - PARTY -

Everyone is invited to help celebrate Hassan Elattir's passing his final Ph.D. oral exam. The festivities will start at 8 p.m. at 1800 W. Larpenteur, St. Paul, [phone 646-2220].

FUNDS FOR RESEARCH PROPOSALS -

Signe Betsinger, Assistant Director, Ag. Experiment Station, will be traveling to Washington, D.C. on September 18. If you have any research proposals from your department you would like for her to take to agencies, please let her know by August 14. The project investigators should prepare a one page statement which includes: 1) the 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; 6) what the approximate cost will be. She will need these statements by Friday afternoon, August 14, at 3:00.

PUBLICATION -

Liedl, B.E., Anderson, N.O. 1986. Incompatibility Hermeneutics: Determination of Cutoff Values. Plant Cell and Incompatibility Newsletter 18:6-12.

APOLOGIES -

Dr. Wilkins would like to extend apologies to Gaius Julius Caesar for misspelling his name in a recent memo to the Faculty. Et tu Harold?

NORTHRUP KING -

Northrup King is recruiting for a vegetable research coordinator in California. Must have Ph.D.; breeding experience; inter-personal skills; technical leadership to program; interface with international division and Biotech. Please contact Bob Romig at 593-7305.

CIVIL SERVICE ELECTIONS -

Laura reports that 5 responses does not an election make. Please submit or resubmit your choices for: 1) Civil Service Representative to Faculty Meetings (currently Dave Olson [replacement for Mary Hosier]); 2) Consultative Committee (currently Mary Stuart); 3) Computer Committee (currently Ruth Harter); 4) Grievance Committee (no representative). All Civil Service personnel are eligible for election or reelection.

SHORT HORT REPORT -

The Hort Horrors fought valiantly against Jugin's Gang Thursday evening, but lost 18-12. See you next year!?! Pick-up games with another team will be 6 p.m. Tuesday evenings on the St. Paul Gym field--

Bridget to receive 4 walks without going to the plate, courtesy of a new league rule. Susan scored 3 times pinch running for Bridget, who actually followed doctor's orders to not run on her sprained ankle. Playoffs continue next Thursday.

.....

MOBILITY CLASSES AVAILABLE! - Due to the recent series of accidents involving feet, ankles, and legs, the 'upright' denizens of Alderman Hall will soon be offering an informal seminar entitled "Walking Upright, A Lost Art".

.....

TRUE LEARNING - Learning is not something put on with a cap and gown. Not something acquired within college walls. Learning is something happening inside of you that awakens the mind, flexes your mental power, sensitizes your awareness, arouses your appreciation, ~~raises your sights and your insights.~~ Learning spurs your ambition to erase the mistakes of the past, and to crown what others have accomplished. (Ethele B. Evans)

.....

HAVE A HAPPY WEEK!

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TWIG-BENDER

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Vol. 5, No. 26 -- August 15, 1986
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Land. Arch.
Editor: Ruth A. Harter

THIS WEEK - AUGUST 18-22

August 19 - A class on "Daylilies: Rugged Beauty" will be held from 10 a.m. to noon at the Landscape Arboretum. Fee for class is \$6 for members and \$8.50 for nonmembers. The class is taught by Mike Heger, a landscape gardener at the Arboretum.

August 20 - Mike Zins, area extension agent at the arboretum, will be teaching a class on "Composting: Creating a Resource Instead of Garbage". The class will be held from 10 a.m. to noon at the Landscape Arboretum. Fee for class is \$6 for members and \$8.50 for nonmembers.

INTERRUPTION OF BUILDING STEAM AND HOT WATER SERVICE - The steam and hot water service will be interrupted to replace a steam valve. This will occur between the hours of 7:30 a.m. and 5:30 p.m. on Saturday, August 23, 1986. Please notify Physical Plant Operations, Juan Bartolomei at 625-4372 of any problems which would prevent the interruption from proceeding on schedule or of any temporary service that might be necessary. This notification must be made IMMEDIATELY.

Note: This notification cancels the previous shut-down date of September 6, 1986, notified August 1, 1986.

CONGRATULATIONS MARK

Congratulations to Mark DeBower on passing his M.L.A. oral exam last week. His thesis is titled: "Computerized 3-dimensional Plant Growth Simulation Model". Very well-done!

TWO DR. WHITES -

Congratulations! Michael White passed his final exam for the Ph.D. in Animal Physiology today. Dr. White starts September 1 as Assistant Professor of Animal Physiology at Ohio State.

CIVIL SERVICE ELECTION -

Please return your ballot to Laura by Wednesday, August 20. She needs to know who will represent us this year. Thanks.

HERBICIDE ROOM CLEAN-UP -

We are trying to clean up the herbicide room in the headhouse and would appreciate your cooperation. Chemicals and such that were on the floor have been put in a pile in the chemical room. Please take what is yours and put it away - off the floor. Whatever is left in the pile in 2 weeks will be disposed! Thank you. (Dr. Hertz)

SPACE NEEDED - If anyone has an upstairs, basement, or few spare rooms to rent, please see Vicki in Room 305 - ASAP. Thanks.

PEACE IN 2300 B.C. -

From break of day
Till sunset glow
I toil,
I dig my well,
I plow my field,
And earn my food
And drink.
What care I
Who rules the land
If I
Am left in peace?

- Poet Unknown, 2300 B.C.

we wouldn't want to lose our edge, would we?

LANGUAGE OF ROSES -

Each year 625 million rose blooms are purchased in the United States. Here is a review of the symbolism of roses:

Red roses say "I love you" and also stand for respect and courage.

White roses have several meanings: "You're heavenly," reverence and humility, innocence and purity and secrecy and silence.

Red and white roses together, or white roses with red edges signify unity.

Pink roses in general, symbolize grace and gentility.

For subtle shades of meaning, choose deep pink to stand for gratitude, appreciation and "thank you".

Light pink conveys admiration or sympathy.

Yellow roses usually stand for joy, gladness and freedom.

Coral or orange roses denote enthusiasm and desire.

Red and yellow together stand for jovial and happy feelings.

Pale colors convey sociability and friendship.

Rosebuds symbolize beauty and youth, or: "You are young and beautiful".

Red rosebuds mean "Pure and lovely".

A single rose stands for simplicity.

In full bloom, it means, "I love you" or "I love you still".

Hybrid tea roses mean "I'll remember you always".

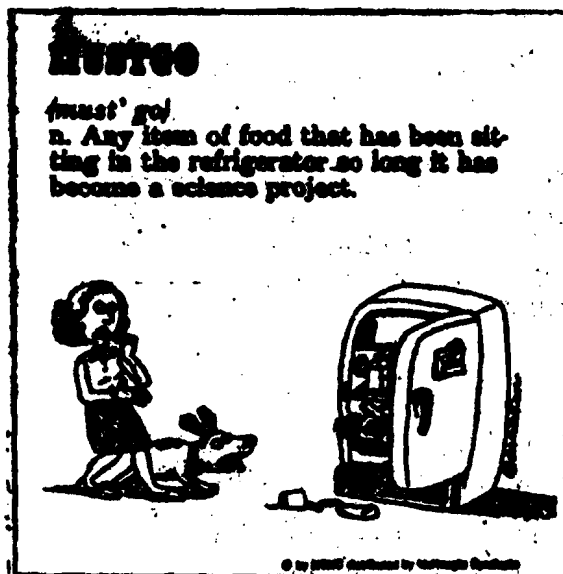
Sweetheart roses symbolize just what their name implies.

Two roses taped or wired together to form a single stem signal an engagement or coming marriage.

A full blown rose placed over two buds forms a combination that signifies secrecy.

A crown made of roses signifies reward of virtue.

Sniglets - by Rich Hall



Have a Happy and Safe Week!

TWIG-BENDER

Vol. 5 - No. 27 -- August 22, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - AUG 25-29

THE MN STATE FAIR is here again & will present the usual problems for our campus. The following intersections will be closed at 5:30 p.m. each evening of the Fair: Larpenteur & Gortner; Gortner & Commonwealth; Folwell & Cleveland; Boyd & Commonwealth; & the street between Ag Eng & Cla Off Bldg. During the week days all entrances to campus will be opened by 7 a.m. The Boyd & Commonwealth entrance will be staffed to allow UofM staff & students entrance to campus during "off working hours" - a staff or I.D. card will be sufficient identification. The Buford Avenue one way section will serve as the exit from campus when the intersections are locked. Enjoy the Fair!!

§ § § § §

SPEAKING OF THE FAIR -- Horticulture's assigned time/date to staff the COA booth is Friday, August 29, from 9 a.m to 1 p.m. Faculty interested in staffing the booth please stop by Laura's desk by Tuesday. Thanks.

§ § § § §

APPLICATIONS FOR 1987-88 Fulbright Teacher Exchange Program are due at the United States Information Agency October 15. For a little more info see Laura.

§ § § § §

ENVIRONMENTAL PHYSIOLOGY - JOURNAL CLUB will meet Tuesday, August 26 at noon in 398 AlderH. Paper for discussion: Raison & Orr. 1986. Transitions in liposomes formed from the polar lipids of mitochondria from chilling sensitive plants. Plt. Physiol. 81:807-811. Bud Markhart will lead the discussion.

§ § § § §

IF YOU MISS Vicki Anderson's smile, stop by the Australian booth at the State Fair. She'd love to see you & perhaps even get you to buy some of the beautiful Australian products she is selling.

§ § § § §

COURSES OFFERED:

AgET 5027 - Fall 1986 -- Appropriate Technology for Developing Countries. This course deals very basically with technology

transfer & technology generation & is highly recommended to all who are interested in the Third World development process. See the blue flyer in the back hall.

AgET 3030 - Introduction to Problem Solving with Computers. As a result of the comments Ag Eng received they have decided to offer the course both fall '86 & winter '87. The fall '86 offering will be as shown in the class schedule book. The winter quarter offering will be limited to 2 recitation sections instead of the 4 shown in the preliminary winter-spring '87 catalog.

§ § § § §

FOR SALE - 19 cu ft Amana chest freezer - excellent condition. Best offer -- See Evonne in 305 AlderH or call 426-1227.

§ § § § §

A SOCIAL Happening will take place Wednesday evening, August 27th (4 p.m. +). Come see the cutting edge of civilization in Maple Grove (house of Laura Best). Further details in the 4th floor lab (435 AlderH) on Monday.

§ § § § §

THE BOARD OF REGENTS on July 11, 1986 approved a new policy regarding faculty phased retirement & early retirement. This policy is effective immediately & supersedes the former policy adopted in 1982 & ended June 30, 1986. See Laura Kalisch for a copy of the policy if you are interested.

§ § § § §

CONGRATULATIONS TO EVERYONE:

Mark DeBower has just been offered & accepted the position of Computer Coordinator for the College of Agriculture.

Scott Aker & Melinda Salisbury have been selected to receive Agricultural Merit Scholarships for 1986-87. Their outstanding academic records & their records of participation in extracurricular activities earned them the continuation of this award.

A very special congratulations are in order for Chad Finn & Barb Fick in honor of their engagement.

§ § § § §

Love consists of this, that 2 solitudes protect & touch & greet each other. Ranier Maria Rilke

§ § § § §

BOWL 'EM OVER -- Need a mid-week break?
We are looking for interested, strong-hearted
persons to join the department bowling team.
Grad students, civil service & faculty are
welcome. We bowl on Wednesday evenings.
Please see Dick Widmer, 458 AlderH if
interested.

§ § § § §

A DRAFT OF THE Graduate Student Handbook
is in the coffee room for faculty review. Please
read through it & make any changes,
suggestions, etc. on the copy before September
3.

§ § § § §

There's a time in my life & it comes once a week,
A special time when my life is at its peak.
An hour when I feel all is not lost,
An hour to cherish at all & every cost.
That time's coming near, I'm coming alive --
It's Friday!! Stand Clear!!

-- Jane Darling

§ § § § §

Have A Good Week!!

TWIG-BENDER

Vol. 5 - No. 28 -- August 29, 1986
305 Alderman Hall, St. Paul Campus

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

THIS WEEK - SEPT 1-5

MON - Labor Day Observed - University Holiday

BABY ARRIVES!! Little Tyler DeBower, son of Mark & Lisa DeBower, arrived on Sunday, August 24, weighing in at 7 lbs, 2 oz.

§ § § § §

THE MEMBERSHIP of the Midwest Section of the American Society of Plant Physiologists has elected Mark Brenner to a 3 year term as their representative to the National Executive Committee.

§ § § § §

DR. DAVID PITT has accepted the landscape architecture faculty position in our department. Dr. Pitt will begin working with us on January 5, 1987.

§ § § § §

HIGHLIGHTS of Dean Allen's 8/22 department heads meeting include:

Project Sunrise -- Undergrad curriculum/teaching faculty project has been funded by Kellog. Gene would like names of people interested in being candidates for project director (½-time) by 9/8. See John Carter for more info on thjs project.

The Institute Constitution vote was 329 to eliminate & 74 against elimination.

Gene would like special departmental treatment for Ag Merit Scholars -- specifically exposure to & understanding of research & extension as well as teaching.

See the COA State Fair booth in the Horticulture Building (1st class)!!

The heads, by unanimous vote, encouraged Gene to promote the development of a 5000-level course in plant biochemistry.

Your written questions to President Keller on Commitment of Focue & the COA/Hort LA are still being solicited.

§ § § § §

GRAD STUDENTS needing/wanting teaching experience -- see Peter Ascher (Hort 1010, 8023) or Bob Mullin (Hort 1021, 1100).

§ § § § §

WANTED: Baby food jars. Anyone who is stockpiling this valuable commodity & would like to unload some, Chad is in need. Drop any off in his office. Thanks.

§ § § § §

TO ALL PERSONS WHO UTILIZED WANG -- Per Laura's request, the cabinet containing WANG disks must be cleared out ASAP. Please stop by & see Ruth (in 305) when convenient regarding disposition of 8" WANG disks. Thanks

§ § § § §

THE POTTERY SAGA CONTINUES: After the Williamsburg Potter Fiasco in Williamsburg last year, the Davis contingent was informed pottery shops were not to be on the itinerary. It is interesting to note one of the loudest complainers from last year is the same person who found a pottery coop in Sacramento. Yes folks, he even bought some things, which he reports were dirt cheap. Do we believe him?

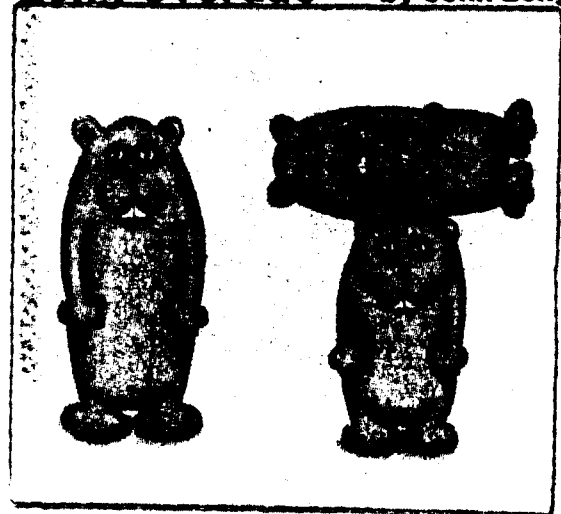
§ § § § §

HOLIDAY REMINDER: This is the last holiday of the summer & drivers out there will be nuts! Please drive carefully & be back safe & sound on Tuesday.

§ § § § §

!! Have a Good Week!

Long Overdue by John Long



GOPHER IT ©

TWIG-BENDER

Vol. 5 - No. 29 -- September 5, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - SEPT 8-12

TUE - Faculty Meeting, 8:30 a.m., 394 AlderH

CIVIL SERVICE Election Results: CS Rep to Faculty Meetings: M. Stuart; Consultative Committee: D. Olson; Computer Committee: K. Ruser; Grievance Committee: D. Wenkel. Congratulations one & all!!

§ § § § §

DOES ANYONE know if a Chemtrix Type 30 Oxygen Meter exists? I have an instruction manual & would like to use this meter if possible. Thanks -- K. Louis

§ § § § §

THE COURSE MATERIAL from a 2 week intensive course on plant cell & tissue culture organized by Don Dougall at the University of Tennessee is available in room 230 Alder for anyone interested. This material includes protocols & techniques of various aspects of cell & tissue culture, & most comprehensive updated references. Ok-Young Stadelmann

§ § § § §

ARBORETUM DAY- The 15th of September is the big day. Plan to spend the day seeing how they operate on a day to day basis & reacquaint yourselves with our arboretum colleagues.

§ § § § §

ENVIRONMENTAL PHYSIOLOGY JOURNAL CLUB will meet Tuesday September 9, at noon in 108 Student Center. We will finish up the discussion of Raison & Orr, Plant Physiol. 81:807-811 & discuss a related paper on membrane phase changes selected by Marna Ericson.

§ § § § §

GSC is establishing a list of agenda items. If you have topics you feel should be brought to the attention of GSC please forward your ideas (in writing) to Bud Markhat. The first major effort of GSC is to revise the blue book. Now is the time for your input. See Bud or Laura if you have suggestions for additions, deletions or modifications.

§ § § § §

CONGRATULATIONS to Rodney Serres & Rhoda Burrows for being awarded Graduate School Partial Fellowships for 1986-87.

§ § § § §

THE W.K. KELLOGG Foundation has announced the Kellogg National Fellowships for 1987 program. This program is targeted for professional men & women in the early years of their careers who are interested in interdisciplinary & cross-cultural projects. The award provides \$30,000 for the development & completion of a learning plan. If you are interested in the program see Laura.

§ § § § §

HEALTH INSURANCE INFORMATION FAIR will be held in the North Star Ballroom on Tuesday, September 16 & Thursday, September 17, from 11 to 12 noon. Representatives from several health insurance carriers will be available to provide info & answer questions on the state insurance plan open enrollment.

§ § § § §

PUBLICATIONS:

Rubino, David B. & Todd C. Werner. 1986. Efficiency of Early Generation Testing in Pickling Cucumber. Euphytica 35:89-96.

§ § § § §

FALL FESTIVAL to be held at the Arboretum on Saturday the 27th of September. Demonstrations & classes will be offered throughout the day. Topics to be covered will include using dried plant material, winterizing your garden, planting flowering bulbs, & caring for houseplants. Walking & tram tours of the arb will be available & provide a good view of the spectacular seasonal sights. Visitors to the fall festival will be able to purchase garden supplies, plants, gifts & other items. A variety of good things to eat will also be available.

§ § § § §

COURSE LISTING CATALOG UPDATES REQUESTED: Grad students please "take" a few minutes to update the catalog with those courses you have completed. The cards are located above the grad student mailboxes. It would be appreciated if this could be accomplished before fall quarter classes begin.

§ § § § §

!! OVER - OVER - OVER !!

APPLICATION DEADLINE for the Graduate School Grant-in-Aid of Research, Artistry & Scholarship is October 6, 1986. The grant-in-aid programs administered through the Graduate School have been established to promote excellence in the scholarly, scientific, & artistic activities of University of Minnesota faculty. Funds are awarded in the firm belief that the quality of graduate faculty research or artistic endeavors is a major determinant of the quality of graduate education as well as of the overall vitality of the institution. Applications are accepted only from faculty members who hold regular appointments, or in certain cases, "T" (non-regular) appointments. For application forms see Laura.

§ § § § §

THE HERMAN FRASCH Foundation has announced a small program of research grants in the field of ag chemistry. They are particularly interested in assisting younger investigators who wish to establish research programs. If you are interested see Laura.

§ § § § §

THE 10th ANNUAL Symposium in Plant Physiology will be held January 8-10, 1987, at the University of California, Riverside. The program is posted in the back hallway for your information.

§ § § § §

!! Have A Good Week !!

Sniglets

by Rich Hall

DILLRELICT

(dill reh' ikt)

n. The last pickle in the jar that avoids all attempts to be captured.



© by RICH HALL, published by MARGARET SPOFFORD

TWIG-BENDER

Vol. 5 - No. 30 -- September 12, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - SEPT 15-19

- MON - Arboretum Tour Day for the Department
-- Tours begin at 9 a.m.
- TUE - Tenured Faculty Meeting - 8:30 a.m.,
394 AlderH

DOES ANYONE HAVE any information regarding the Cedar Creek Biological Station during the time Dr. Wilcox was in charge? If you do, please stop by Laura's desk with any clues you may have. Thanks.

§ § § § §

A REPRESENTATIVE from IBM will be here September 16 (1 p.m.) to demonstrate a voice comand computer/word processor.

§ § § § §

FACULTY & STAFF interested in participating in incompatibility Discussion (Hort 8061) should contact Peter Velguth. He needs your fall quarter schedule.

§ § § § §

No one can build his security upon the nobelness of another person. Willa Cather

§ § § § §

HELP WANTED: It's time once again to think about our weekly Tuesday coffee break. If anyone is interested in regularly assisting the coffee director, Evonne Kuyper, please stop by her desk & apply. Thanks.

§ § § § §

CONGRATULATIONS to Paul Li who has been informed that he has been selected by the National Academy of Sciences for participation in the interacademy exchange program. Dr. Li will be in the USSR for 3 months beginning next June.

§ § § § §

FACULTY SUMMER RESEARCH FELLOWSHIPS: The purpose of the Faculty Summer Research Fellowship program is to encourage research & artisic creation by enabling members of the faculty to devote full time to intensive work on their projects for 1 summer term of approximately 5 weeks. All proposals must be submitted on the

new application & the deadline date is November 12. For more information see Laura.

§ § § § §

DR. BETSINGER will be going to Washington, DC soon to follow up on research funding requests she received when she went in August. If you'd be interested in having her investigate funding possibilities for you please provide her with the following information:

Title of the research
Name

What is to be done

How it will be done

How long it will take

What the approximate cost will be

The information has to be in her office no later than September 22.

§ § § § §

THE HEALTH INSURANCE INFORMATION FAIR will be held on the St. Paul campus September 16 & 18 in the North Star Ballroom of the Student Center. Representatives from the several different providers will be available to answer questions on the State Insurance Plan Open Enrollment from 11 a.m. to 2 p.m.

§ § § § §

BUSH SABBATICAL PROGRAM provides supplementary sabbatical income for mid-career faculty who wish to integrate their research & scholarly work with the undergrad mission of the U. The deadline for proposals in the College of Agriculture is December 15. For more information see Laura.

§ § § § §

ASHS PUBLICATIONS MANUAL is available for use from Ruth in the main office. This manual will not leave the office, but if you want to order your own Ruth has the info.

§ § § § §

WHOEVER spray painted the table tops in 394 as they prepared posters for all those meetings, please take the responsibility of cleaning them off. Thanks

§ § § § §

AH YES, so it was that the Minnesota contingency made their trek to UC Davis for the annual meetings . . . While it is true that 1 member of the party did find a pottery coop, it was done without the Williamsburg pottery guide. Especially since it wasn't clear whether the guide knew which way was north on Highway 5 from the airport!!

§ § § § §

WELCOME to Zheng Yan Shen, Associate Professor, Horticulture Department, Beijing University, who will be working with Dave Davis & Paul Li on bean stress for 1 year. Professor Shen was here earlier for 2 years on the Visiting Scholar program. If you know of house or apartment sharing possibilities please let us know. Also welcome to Mr. Hou Tian Zhen, Assistant Researcher, Hnjjan Academy of Forestry. Mr. Hou will also be working with Paul Li.

§ § § § §

ON WEDNESDAY, September 17, a 9 a.m., Redouanne ChoukRallah will present his PhD Thesis Defense in room 415 AlderH.

§ § § § §

MARK YOUR CALENDARS NOW -- On September 24 the Physical Plant will be testing our fire alarms starting at 10 a.m. The alarms will sound during the test so don't rush out. If, however, they blast very much earlier or later than 10, please evacuate the building.

§ § § § §

CONGRATULATIONS -- Max Martin passed his Master of Science exam on Monday, September 8.

§ § § § §

DID YOU KNOW that every Tuesday at 10 a.m. there are walking tours of the arb gardens & September through October walking tours will be available on Wednesdays?

§ § § § §

SPEAKING OF THE ARB don't forget to let Kathy know if you are planning to tour with the department on Monday.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - No. 31 -- September 19, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - SEPT 22-26

- MON - Rescheduled Arboretum Tour Day for the Department -- Tours begin at 9 a.m.
- TUE - New Graduate Student Orientation - 11 a.m., 394 AlderH

DR. PAUL READ has accepted the position of Department Head in the Department of Horticulture at the University of Nebraska. Congratulations!

§ § § § §

NEW GRAD STUDENT ORIENTATION will be Tuesday the 23rd. This orientation is for graduate students who have arrived since winter quarter 1986. There will also be a social break in the afternoon for all faculty, civil service & grad students. This will be an excellent time to meet each other & enjoy cake & cider. The social will begin at 3:15, in 394 AlderH.

§ § § § §

A BABY GIRL arrived at the Chris & Van Cline home in August. Lauren Christian was born on August 10, tipping the scales at 6 lbs, 12 oz.

§ § § § §

THE FEDERAL REGISTER has announced the 1987 CSRS 1987 Grants Program. The guidelines are available from Laura. Stop by my desk if you want me to obtain proposal kits.

§ § § § §

RESEARCH EXPEDITIONS, the new program in Extension Classes, offers faculty researchers the opportunity to have volunteers assist in their field research. Volunteers will be of different ages & come from a variety of backgrounds & interests that may include teaching, business or professional areas. Research proposal ideas are being sought for spring & summer of 1987. Deadline date for 1987 proposals is December 1, 1986. For further info stop by Laura's desk.

§ § § § §

FACULTY -- If you have noticed your photos in the entry, you will see that some of you have changed slightly. So...Laura will be updating your photos beginning next week. Since you

don't know which day your photo will be taken, please dress as you would like to be shot all week. Thanks.

§ § § § §

FELLOWSHIP & SCHOLARSHIP OPPORTUNITIES: Several scholarship/fellowship opportunities have arrived and are posted in the back hall.

§ § § § §

GIVE-AWAY: Loving black, 1 year old, female cat needs a home. She is very cuddly & affectionate to people, not other kit-cts. Her name is Lotus Muir. She needs to be in a single cat family. Is allergic to milk so a dairy farm won't do. Contact Marty Stahler.

§ § § § §

FRUIT GROWTH DISCUSSION GROUP is trying to determine a meeting time for fall quarter. The group will meet biweekly beginning the first full week of classes. If you are interested, obtain a schedule form, fill it in & give it to Cyndy Fellman. Sonja Maki will lead the first discussion (time & date to be announced) & the topic will be posted on the bulletin board opposite the grad student mailboxes.

§ § § § §

ANNUAL FALL FESTIVAL at the Arb will be Saturday the 27th from 10 a.m. to 3 p.m. Fall colors should be at their peak & there will be a wide variety of activities for everyone in the family to enjoy. Visitors will be able to purchase garden supplies, plants, gifts & other items. A variety of good things to eat will also be available. For further info call the arb.

§ § § § §

RAIN OR SHINE the arb tour will take place on Monday. But, just in case the weather looks threatening, call 4-3606 from 7 a.m. on. Vans will leave AlderH at 8:15.

§ § § § §

AGRONOMY SEMINAR - On Wednesday, October 1, 4 p.m., the seminar season begins with "Farming Systems: Approaches for Sustainable Agriculture", by Dr. Charles A. Francis from the University of Nebraska. Dr. Francis is an

!! OVER - OVER - OVER !!

an international expert in this area & will discuss the entire farming systems concept. This seminar will take the place of our first regular Wednesday afternoon seminar so plan to attend in 335 Borlaug Hall instead of 415 AlderH.

§ § § § §

ENVIRONMENTAL Physiology Journal Club will meet Tuesday at noon in 207 Student Center. Beth Nixon will lead the discussion of Suss, K.H. & I.T. Yordanov. 1985. Biosynthetic cause of in vitro acquired thermotolerance of photosynthetic light reactions & metabolic responses of chloroplast to heat stress. Plant Physiol. 81:192-199.

§ § § § §

ROOM 152 has been reserved by Bert Swanson from 10 a.m. to 1 p.m. on Tuesdays & 10 a.m. to 6 p.m. on Thursdays for fall quarter. If someone should need it on a one-time basis during that time please advise him.

§ § § § § § §

RACQUETBALL TOURNEY - The response concerning the upcoming racquetball tourney has been good. More participants are welcome. If you wish to play & have not signed up, see Kirk or Mike soon. The tourney pairings will be completed soon. Therefore, if you plan to participate, make arrangements (pay gym fees, obtain racquet, balls, eye protection, etc.) & practice. Lockers are available next week. If you have questions see Kirk or Mike.

§ § § § §

WANTED: The September issue of National Geographic -- especially the article on smell. If you don't want to part with your magazine a photocopy will do. Thanks -- Marty Stahler.

§ § § § §

!! Have A Good Week !!

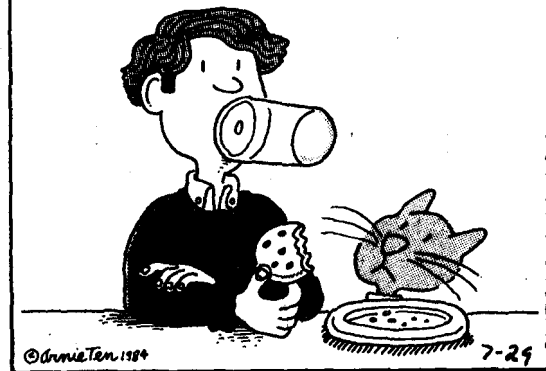
Sniglets

by Rich Hall

OROSUCTUOUS

(or oh suk' chew us)

adj. Being able to hold a glass to one's face by sheer lung power.



TWIG-BENDER

Vol. 5 - No. 32 -- September 26, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - SEPT 29 - OCT 3

- MON - Monday Night Discussion - "Acclimation of Apple Rootstocks under Natural Conditions in Minnesota" - presented by Gina Fernandez - 6 p.m., Shirley Munson's home, 25 Lakeland Shores Road, Lakeland, MN. Maps & sign-up sheet on bulletin board in the back hallway. Dinner will be served before Gina's presentation
- TUE - Departmental Coffee Break - 9:30 a.m., 394 AlderH
- WED - Incompatibility Discussion Group - 1 p.m., 394 AlderH
- Departmental Seminar - "Farming Systems: Approaches for Sustainable Agriculture" - Joint with Agronomy & Plant Genetics, 335 Borlaugh Hall, 4 p.m.
- FRI - Graduate Student Welcome at the Bartz's - 6 p.m.

ALL OLD & NEW GRAD STUDENTS are invited to the Bartz's on October 3 at 6 p.m. A ride sign-up sheet & directions will be posted by the grad p.o. boxes soon. All grads & their spouses are invited. Grads are urged to attend as this is an excellent opportunity for old & new students to meet.

§ § § § §

USDA SCIENTIFIC & TECHNICAL EXCHANGE PROGRAM -- The Scientific & Technical Exchange Program of the Office of International Cooperation & Development promotes international cooperation in ag & forestry through short-term (1-6 weeks) exchange visits of U.S. & foreign scientists. Each year, OICD/STE negotiates a program of activities with each cooperating country based on proposals submitted by U.S. scientists, other specialists from USDA agencies, university & private organizations. OICD/STE encourages early submission of proposals & uses September 1st as a working deadline for each succeeding fiscal year, but will accept proposals at any time. If you are at all interested see Laura Kalisch for more info.

§ § § § §

Thought is the blossom, language the bud, action the fruit behind it. Ralph Waldo Emerson

§ § § § §

CONGRATULATIONS to Bill & DeeDee Hard whose family was increased by a 9lb, 3 oz, baby boy (Alexander William) on September 18. Proud grandpa is Gus Hard.

§ § § § §

THE CALL FOR PROPOSALS for Phase II of Project MinneMac, is posted in the back hallway. Proposals are being accepted for Phase II until 5 p.m., October 30, & awards will be announced by November 30.

§ § § § §

THE STATISTICAL CENTER provides statistical consulting to researchers at the UofM. Services are available generally without charge. Assistance on appropriate experimental designs, data analysis, & the interpretation of results are part of the mission of the center. For more info see the yellow flyer in the back hallway.

§ § § § §

THE SOCIAL COMMITTEE thanks Bridget Ruemmele for the fantastic job she did on the cakes for the new grad student social & Shirley Munson for her help & the use of the kitchen facilities. Thanks folks!

§ § § § §

DON'T FORGET about the annual fall festival tomorrow (9/27) at the arb. The fall colors should be at their peak & there will be a wide variety of activities for everyone in the family to enjoy.

§ § § § §

WRITTEN EXAM DATES - 1986-87 are as follows: 1986 - October 6, November 3; 1987 -- January 19, February 16 & April 13.

§ § § § §

We have just been notified that Mr. Richard Rose, of Bailey Nurseries passed away last evening.

§ § § § §

!! Have a Good Week !!

DOES ANYONE know of someone who would want to sublease an efficiency apartment (1 min walk from St. Paul Campus) for November-December? If so please see Ben.

§ § § § §

OVER THE SUMMER, knives, forks, spoons, cutting knives, spatulas, etc. have disappeared from my lab (369 AlderH). Please return these items!!! We do need them. Also, we are missing a light green & white, thermal coffee server. If equipment keeps disappearing, I will have to stop the use of all equipment. Shirley Munson

§ § § § §

FALL WELCOME - The Department of Entomology invites you to join them for wine & cheese at their Fall Welcome. It is Friday, October 10 from 3 to 4:30 p.m., in 490 Hodson Hall.

§ § § § §

CALIFORNIA WINE SELECTION nominations solicited!!! Wine connoisseurs, share your favorite vintages de California which cost \$ 10 or less with us (by 10/14) for the October 18 Wine Tasting Gala. Please use forms available on the grad bulletin board to name, describe & commend wines. More than 1 nomination per person permitted. A special wine selection will be awarded to the nomination of the most preferred wine of the evening. Please RSVP with a \$5 donation to Barbara Liedl by 10/16. Bring your favorite wine tasting glass. Recommended attire is imaginative formal wear. Everyone is welcome. Wine committee: Muggs Stahler, Barbara Liedl, Ben Bergman, John Dole, Richard Harkess & Kirk Pomper.

§ § § § §

SAFETY TRAINING VIDEO -- We need to show these videos again for new grad students & undergrad employees. Please put names of people who need to see them in Margaret (Happy Birthday) Hibberd's p.o. box so she has an idea of how many people this includes.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - Nov. 33 -- October 10, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCT 13-17

- MON - Discussions in Horticultural Research - Cancelled
- TUE - Faculty Meeting - 8:30 a.m., 394 AlderH
- Fruit Discussion Group - 1 p.m., 398 AlderH. Emily Hoover will lead the discussion. Paper to be discussed is posted by the grad student p.o. boxes
- Departmental Coffee Break - 2:30 p.m., 394 AlderH. This week's treaters are E. Kuyper & C. VanderWeit
- WED - Departmental Seminar - "On the Development of an in vitro Propagation System for Aesculus arnoldiana 'Autumn Splendor'" - presented by Mr. Ben Bergman - 4 p.m., 415 AlderH. Refreshments will be available prior to seminar, attendees are encouraged to arrive early & take part in informal discussion
- THUR - Plant Physiology Seminar - "Chemistry & Biology of Culture Metabolites that Increase Colony Formation from Corn Protoplasts" - presented by Dr. Paul Birnberg - 3 p.m., 335 Borlaug Hall
- FRI - Plant Hardiness Discussion - The topic will be Potassium & Cold Hardiness of Alfalfa, & discussion will be lead by Dr. Mike Russelle - 12 noon, 398 AlderH

WORLD FOOD DAY is observed world wide on October 16 to focus attention on food/hunger problems. The goal is to get the people of the world more directly involved in the search for solutions. A national town meeting teleconference will originate from Abbott-Northwestern Hospital, Education Center, with registration beginning at 10 a.m. An evening booya & celebration at Central Lutheran Church is scheduled to begin at 6 p.m. with registration & displays. The keynote address will be presented by Arlen Erdhal, former MN Congressperson & currently Associate Director for Volunteer Recruitment & Selection for Peace Corps. For more info see the brochure on the lobby bulletin board &/or call Save the Children at 623-3450.

§ § § § §

THE 1986 AG CAREER DAY will be held on Tuesday, October 21 from 10 a.m. to 3 p.m. in the North Star Ballroom of the Student Center.

§ § § § §

SEE BUD FOR DETAILS about the going away party for Redouane. The festivities will begin at 8 p.m. tonight at Paul Read's house (maps available by the grad p.o. boxes). Beer will be provided, bring anything else you want, especially your dancing shoes.

§ § § § §

MISSING BOOK - Plant Anatomy text by A. Fahn. The book belongs to Joan Conrod, please return it. Thanks.

§ § § § §

The health of nations is more important than the wealth of nations. Will Durant

§ § § § §

WINE TASTING GALA -- If you missed the California wine tour experience this summer, don't despair! Come enjoy wine tasting at the Wine Tasting Gala, featuring CA wines Oct 18, 8:00 p.m. We will offer a variety of reds & whites, cheeses & festivities. RSVP to Barbara Liedl with a \$5 donation. Imaginative formalwear encouraged (just be creative 2 weeks before Halloween) & bring your favorite wine-tasting glass. 2295 Doswell Ave is the place de l'affaire. Everyone -- grad, undergrads, faculty & staff invited! Nominations still being accepted through Oct 14th. You could be the lucky winner of a prize bottle.

§ § § § §

PUBLICATION - Sonja L. Maki, Mark L. Brenner, Paul R. Birnberg, Peter J. Davies & Thomas P. Krick. Identification of Pea Gibberellins by Studying [¹⁴C]GA₁₂-Aldehyde Metabolism. Plant Physiol. (1986) 81, 984-990.

§ § § § §

THE IRRIGATION SYSTEMS for all field areas & the golf course will be shut down for winterization beginning Monday, October 27. If you have any questions/concerns about the shut down, call Marty Gerads (4-2288) before Monday the 21st.

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YOU'RE ALL INVITED to attend an artists' reception from 7:30 to 9 p.m. next Friday, October 17th. Angie Klidzejs & 4 other women have collaborated on the construction & installation of a forest, "Branching Out", which will be displayed in the Minnesota Gallery of the Minneapolis Institute of Arts through November 30th. The MIA is located at 2400 Third Avenue S in Minneapolis. If you mention attending this reception to the person at the admissions desk, you won't have to pay museum admission. Hope to see everyone there.

§ § § § §

THE ABSORPTION CHILLERS for building air conditioning systems will be shut off to allow for system winterization. Alderman Hall is scheduled to be winterized on October 13.

§ § § § §

CO-ED BOWLING!! The Wednesday evening St. Paul Campus Faculty League now includes women bowlers. The horticulture team needs substitutes &, for the winter quarter, a regular bowler. Grad students, civil service employees & faculty are eligible. Interested persons please contact R. Widmer, 458 AlderH. Have fun!

§ § § § §

2 DISPOSABLE petri dishes of callus labelled Hib 5/21 were moved from Dr. Li's incubator in 201 to the walkin growth chamber in 201 -- if they are yours please claim -- they are not mine. Thanks - M. Hibberd

§ § § § §

!! HAVE A GOOD WEEK !!

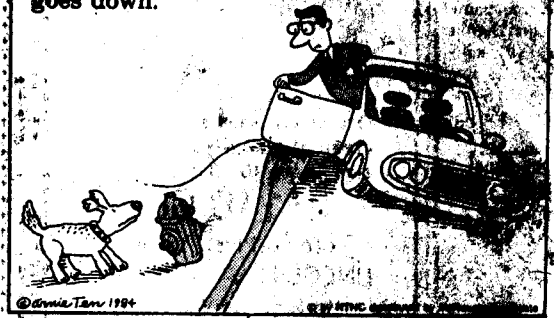
Sniglets

by Rich Hall

CURBSWELL

(kerb' swell)

n. A seismic condition in which the curb on the passenger side of a car will rise and wedge a car door. The passenger must then climb out and stand on the curb until the swelling goes down.



TWIG-BENDER

Vol. 5 - N. 34 -- October 17, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCT 20-24

- MON - Discussions in Horticultural Research - Prelim Discussion. Potluck dinner at Wes Hackett's home, 984 Lydia Drive, Roseville, 6 p.m. Bring a dish to share. Maps available on the grad student bulletin board.
- TUE - Departmental Coffee Break - 9:30 a.m., 394 AlderH. This week's treats by B. Corr & C. Fellman
- Graduate Studies Committee Meeting - 1:15, 398 AlderH
- Consultative Committee Meeting - 3 p.m., 398 AlderH
- WED - Departmental Seminar - "Alleviation of Chilling Injury in Herbaceous Plants by Mefluidide" - presented by Dr. Paul Li, 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar
- THUR - Plant Physiology Seminar - "NMR Imaging in the Study of Root Biology in situ" - presented by Hugo Rogers, USDA-ARS, Mid-South Area, National Soil Dynamics Lab, Auburn, AL
- FRI - Plant Hardiness Discussion - "Photosynthetic Electron Transport Rates of Phaseolus acutifolius & P. vulgaris at Different Temperatures" - presented by T. Lin & B. Markhart, 12 noon, 398 AlderH

THERE WILL BE some disruption of parking & traffic flow out front of AlderH beginning sometime next week due to the construction of the Green Hall addition. Please see the map in lobby for details.

§ § § § §

MINORITY GRADUATE & GRADUATE FELLOWSHIPS - 3-year graduate fellowships in science & engineering fields offered by NSF. Open to persons who are at or near the beginning of their graduate studies. For further info regarding either of these programs see announcements on the grad board.

§ § § § §

DIALOGGERS TOASTMASTERS CLUB - Demonstration Meeting will be held on Thursday the 23rd at 11:30 a.m. in room 14 of Green Hall. Toastmasters is an organization dedicated to the development of public speaking skills of its members. Participation in Toastmasters will help you prepare for communication in any number of situations, such as seminars, staff meetings, job interviews, oral exams & demonstrations. The club meets every Thursday from 11:30 to 12:30 in North Central Experiment Station. The October 23 meeting will be a special demonstration meeting especially for people interested in finding out more about Toastmasters. For more info contact Mark Hansen, 642-5295, or Dan Haase, 642-5261.

§ § § § §

THE COMPUTER COMMITTEE will be considering new software & hardware needs for the department in the next several weeks. These might relate to the computer room (201) or to more general needs. Please let any of the committee members (J. Nassauer, E. Stadelmann, M. Brenner, K. Ruser, B. Markhart, B. Liedl) know by October 24 if you have specific needs or ideas for the future. -- Computer Committee

§ § § § §

THANK YOU for returning various items to the Fruit & Vegetable Quality Lab. I truly appreciate your co-operation -- S. Munson

§ § § § §

NEW ADDRESS for the Stimart family: Dennis & Judy Stimart, 3456 Crestwood Drive, Madison, WI 53705; office phone (608)262-1778; home phone (608)238-3521.

§ § § § §

There's only one corner of the universe you can be certain of improving, & that's your own self. Aldous Huxley

§ § § § §

A DRAFT COPY of the IBM Personal Computer Manual for using software programs, printers & plotters is available for reference in the computer

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room. If you have questions about software usage, consult this! Copies will be distributed to all members in the department in the near future. Questions? See Neil Anderson.

§ § § § §

PUBLICATION: P.R. Birnberg, M.L. Brenner, M.C. Mardaus, H. Abe, & R.P. Pharis. Metabolism of Gibberellin A₁₂-7-Aldehyde by Soybean Cotyledons & Its Use in Identifying Gibberellin A₇ as an Endogenous Gibberellin. Plant Physiol. (1986)82,241-246.

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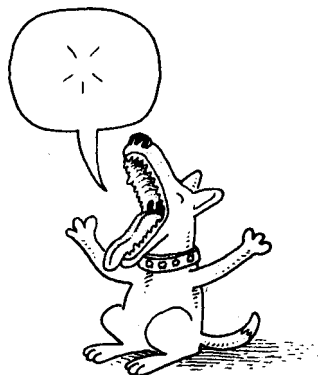
Sniglets

by Rich Hall

PUPSQUEAK

(puhp' skweek)

n. The sound a yawning dog emits when it opens its mouth too wide.



© by NTMC under-lead by Mchughn Syncausa

1986-87 COLLEGE COMMITTEE ASSIGNMENTS:

Relationships with Prospective Students Coordinating Committee -- Leslie Hansen*, Jeff Apland, Fred Bergsrud, Richard Epley, Mark Hill & George Wardlow

Career Services Advisory Committee -- William Rempel*, Glenn Nelson, John Goodding, James Luby, David Noetzel, Jean Underwood & Charles Young

Single Quarter Leave Committee - Jane McKinnon*, Craig Coon, Ervin Oelke, Gary Reineccius, Wesley Sundquist & Carol Windels

Scholastic Standing Committee - James Orf*, James Pettigrew, Benjamin Senauer, Michael Bennett, Bert Swanson & Sita Tatini

Scholarship Committee -- Bill Kennedy*, Mohamed El Halawani & Patricia Swan

Master of Agriculture Admissions & Policy Committee -- Edmund Zottola*, Richard Ferguson, Robert Jordan, Theodore Labuza, Kate Maple & Lawrence Smith

College & University Honors Committee -- David French*, Russell Adams, Reynold Dahl, David Davis, James Linn & Gordon Swanson

*Committee Chair

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - No. 35 -- October 24, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCT 27-31

- MON - Plant Breeding Seminar - "Yield Stability" - presented by Virginia Peschke, 4 p.m., 306 Borlaug Hall
- Discussions in Horticultural Research - "Evaluation of Physical & Metabolic Changes in Okra & Asparagus Under Controlling Atmosphere Storage" - presented by Lawford Baxter, 7 p.m., Fireplace Room McNeal Hall. Aftersession at Kirk Pomper's, 2295 Doswell Ave
- TUE - Departmental Coffee Break - This week's treats provided by K. Lloyd & S. Else - 9:30 a.m., 394 AlderH
- WED - Department Seminar - "The Flower Ladies of Giraudel" - presented by Jane McKinnon - 4 p.m., 415 AlderH. Refreshments will be provided before the seminar
- THUR - Plant Physiology Seminar - "Detecting Novel Compounds of the Mitotic & Cytokinetic Apparatus in Higher Plant Cells by Monoclonal Antibodies to a Fern Spermatozoid" - presented by Jan Marc, 3 p.m., 335 Borlaug Hall
- FRI - Plant Cold Hardiness Discussion - CANCELLED

Our deepest sympathy is extended to Mr. Norman Polzin & his family. Norm's wife Alice passed away last Friday. He can be reached at his daughter's home in Duluth, 32 W Lemon Street, Duluth, MN 55811.

§ § § § §

BAG LUNCH SEMINAR will be presented by Paul Read on Monday, the 27th from 12:15-1:30 in 394 AlderH. He will be taking us to Zambia to visit the lions, termite mounds & much, much more!

§ § § § §

FRUIT DISCUSSION GROUP will meet Tuesday at 3 p.m. in 398 AlderH. We will be discussing a paper by E.C. Yeung entitled "Embryogeny

of Phaseolus: The Role of the Suspensor. Z. Pflanzen-physiol. 96:17-28, 1980. A copy of this paper will be posted on the bulletin board behind the grad p.o. boxes.

§ § § § §

LOST: A diskette - not life or death, but if you find anything like it please see Ascher. It was probably a Nashua brand diskette, it may or may not still have label "Ascher Data Disk". Thanks.

§ § § § §

No matter how thin you slice it, it's still baloney. Alfred E. Smith

§ § § § §

A SILVER bowl was placed in HFW's p.o. box. Questions -- from whom & why?

§ § § § §

HAMM MEMORIAL LECTURE - Dr. Peter Albersheim, Hamm Memorial Lecturer, will be available for discussion in 398 AlderH on Monday, November 3 from 1:30-2:50 p.m. A sign-up sheet for a time-slot will be on the front counter of the main office beginning Monday, October 27. Dr. Albersheim is an authority on plant cell wall carbohydrate components & their relationship to disease resistance, growth & morphogenesis.

§ § § § §

SAFETY TRAINING - The safety training videos will be shown on Thursday, November 6 at 1 p.m. & Friday the 7th at 3 p.m. in 394 AlderH. If you are employed by the department & have not seen the videos, now is the time. Please inform any undergrads who work for you. If these times are not possible, see Margaret Hibberd to make other arrangements.

§ § § § §

PUBLICATION: W.A. Brun, M.L. Brenner & J. Schussler. Translocation of Abscisic Acid & Assimilates in Soybean. Plant Transport, pp. 589-596, 1986.

§ § § § §

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POSITION ANNOUNCEMENT - Assistant Plant Tissue Culturist at the Harris Moran Seed Company in Rochester NY. Responsibilities include initiation & maintenance of cultures of vegetable & flower species; overseeing specific projects, including evaluation of published literature & experimental design; acclimatization of plant material upon transfer to soil; & maintaining greenhouse, including fertilization & pest control. Requires a degree in the plant sciences, BS plus 2-3 years of experience, or MS plus 1-2 years of experience. Proven experience in the above areas & the ability to work as part of a team. Application deadline is 11/14/86. Send resume & description of career goals to: Dr. Sharon Kurtz, Research Associate/Tissue Culture, Harris Moran Seed Co., 3670 Buffalo Road, Rochester, NY 14624; (716)594-9411.

§ § § § §

TO ALL THE WONDERFUL grad students who returned their data request forms to me -- Thanks!! To all the wonderful grads who haven't -- please do so. L

§ § § § §

!! Have A Good Week !!

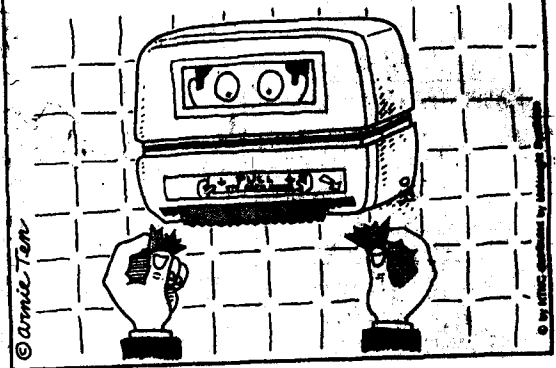
Sniglets

by Rich Hall

MICROTS

(my' krotz)

n. The two thumbnail-sized pieces you end up with when trying to remove a paper towel in a public washroom.



TWIG-BENDER

Vol. 5 - No. 36 -- October 31, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - NOV 3-7

- NOTE
TIME
CHANGE
- MON - Horticulture Written Prelim - 8 a.m. - 4 p.m. - 394 AlderH. See Laura Kalisch for question
- Plant Breeding Seminar - "Somaclonal Variation in Vegetatively Propagated Crops" - presented by Frank Treadwell, 4 p.m., 306 Borlaug Hall
- Discussions in Horticultural Research - "Adventitious Bud Formation in Picea spp." - presented by Kathryn Louis, 6:30 - Fireplace Room, McNeal Hall
Aftersession at MinnVitro, Inc., 1520 Albany Street, St. Paul
- TUE - Departmental Coffee Break - 9:30 a.m., 394 AlderH. Treeters for the week are K. Pomper & G. Fernandez
- Graduate Studies Committee - 1:15 p.m., 398 AlderH
- Consultative Committee - 3:30 p.m., 398 AlderH
- WED - Departmental Seminar - "Plant Growth Modelling of Chrysanthemum & Lilium" - presented by Dr. Royal D. Heins, Department of Horticulture, Michigan State University, 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar. Attendees are encouraged to arrive early & take part in informal discussion
- THUR - Plant Physiology Seminar - "Chlorosis-inducing Pseudomonads Toxin: Their Role in the Economy of the Bacteria" - presented by Dr. Rick Durbin, USDA-ARS, Plant Pathology Department, University of Wisconsin, 3 p.m., 335 Borlaug Hall
- FRI - Plant Hardiness Discussion - 12 noon, 398 AlderH

POLICY FOR WRITTEN EXAMS - MS candidates are not required to submit their exam for grading but may elect to do so, in which case successful results can be applied to fulfill the doctoral

program requirement. Failures have no adverse effect on MS candidates. ALL students not on the PhD track, or PhD students who have successfully completed 5 questions but have not passed their oral prelim will submit answers for their advisor's review. Each advisor will review & discuss the question & answer individually with the student. Answers handled in this way will not be allowed to accrue credit toward the written prelim requirement. Therefore, MS students who are uncertain whether they wish to be candidates for a PhD are urged to have their exams officially graded. SO... this means if you haven't been taking the exams & should be

§ § § § §

NEW PEACE CORPS REPRESENTATIVE is Ms. Cynthia Donovan. Ms. Donovan is a recently arrived MS student in Ag Econ & a former Peace Corps Volunteer in Paraguay. Her office is in 293 Coffey & she will be happy to discuss the Peace Corps with anyone interested.

§ § § § §

IN MEMORY OF ALICE POLZIN, we have decided to make a donation to the Arthritis Foundation. Anyone wishing to make a contribution to this donation should stop by Laura's desk & pick up a memorial envelope. The envelopes have not arrived as of today, but are expected early next week.

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THE AMERICAN SCANDINAVIAN FOUNDATION has announced 2 summer programs for 1987.

1. Work in Scandinavia 1987 Program -- Positions are available in horticulture & agriculture, among other disciplines. Trainees will be placed with Scandinavian firms for 2 months or longer between May & December, 1987. Trainees receive sufficient income to cover living expenses during training. Applicants must be at least a junior by summer 1987 with some previous related work experience & able to meet round-trip airfare.

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2. Farming Jobs In Denmark or Finland, 1987 -- These are opportunities to live & work on family farms in Denmark & Finland for students of agriculture & young American farmers. They will join in the daily work of small family farms for 4 to 18 months usually beginning in the spring at the start of the growing season. They will have adequate living expenses during the training but will be responsible for their own round-trip airfare.

Application deadlines are December 15, 1986. For more info call Peggy Samuelson at 5-4211.

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FOR SALE - Ben Franklin stove, includes black cast iron legs & grate & black screen with brass accent. Stove is cast iron. \$100. Will deliver within reason. See Kathy Lloyd.

§ § § § §

CHRISTMAS WREATHS will be available through Bert Swanson. The wreaths will arrive around 11/20, & the cost is \$8/each. A sign-up sheet will be posted on Bert's office door.

§ § § § §

GARDEN PLOTTERS -- Dr. Davis would like the farm shop to plow K-13, the garden plots, ASAP. I suggest all those who still have stuff to harvest, stakes to pull, fence to take down, etc., get out & do that soon. The order will be placed on Monday, so the field will be plowed sometime next week. Thanks. Chad

§ § § § §

CONGRATULATIONS to Otto Andersen who took 1st place last Saturday in the Minnesota Orienteering Championship. Otto finished a 7.3 km course in just under 61 minutes with the 2nd place finisher 30 sec behind the winning time. Otto travels to Texas today to compete in the National Orienteering Championship.

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IF YOU HAVEN'T turned in your Consolidated Fund Drive pledge cards yet TODAY is the last day to do so. You are asked to please return your cards to Pat whether you choose to make a donation or not. Thanks.

§ § § § §

HORT CLUB Sweatshirts & long-sleeved T-shirts will soon be available. The sweatshirts MUST BE PRE-ORDERED by November 14. A detailed description of the design, color choices & sign-up sheet will be displayed in the lobby from November 4 through the 14. Offer available to all.

§ § § § §

JOURNAL CLUB discussion for Tuesday, November 4 is cancelled.

§ § § § §

REMEMBER TO DRIVE CAREFULLY tonight as you are out on the town. There will be lots of little goblins out & they very often forget safety rules in the excitement of the evening.

!! Have A Good Week !!

TWIG-BENDER

Vol. 5 - No. 37 -- November 7, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - NOV 10-14

- MON - Plant Breeding Seminar - "Genetic Restriction of Soybean Nodulation" - by Melinda Mitchell, 4 p.m., 306 Borlaug Hall
- Discussions in Horticultural Research - "Regulation of Interspecific Seed Failure in Phaseolus" - presented by Kirk Pomper, 7 p.m., Fireplace Room, McNeal Hall. After-session at Harold Wilkins', 2161 Doswell Avenue, St. Paul
- TUE - Faculty Meeting - CANCELLED
- Departmental Coffee Break - 9:30 a.m., 394 AlderH. This week's treats courtesy of S. Maki & A. Else
- Fruit Discussion Group - 3 p.m., 398 AlderH. Susan Stombaugh will lead the discussion. Check the grad student bulletin board for paper to be discussed
- WED - Departmental Seminar - "An Expose of Plant Sexual Mores - or - How Plants Minimize Incestuous Relationships" - by Peter Ascher - 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar, attendees are encouraged to arrive early & take part in informal discussion
- FRI - Plant Hardiness Discussion - 12 noon. Discussion led by John Carter & Greg Kerr - Topic to be announced

Our deepest sympathy is extended to Rick Stapher whose parents & grandmother were involved in a serious car accident last week. Rick's mother died in the accident & his father & grandmother were injured/hospitalized.

§ § § § §

THE MEMORIAL envelopes from the Arthritis Foundation have arrived. If you are interested in donating please see Laura.

§ § § § §

SINGLE QUARTER LEAVE applications for faculty are due in the College office in the early part of

December. If you are interested please see Laura for info & application forms.

§ § § § §

SEMINARS ON MOROCCO - Dr. Kent Crookston, Agronomy & Plant Genetics, has recently returned from 2 years in Morocco & will be presenting 2 seminars. The first will be on Wednesday, November 12 at noon in 306 Borlaug Hall with the second being on Thursday at 7:30 p.m. in 335 Borlaug. Everyone is welcome to attend. If you have any questions regarding the seminars contact the Agronomy Department at 5-7773.

§ § § § §

A REPRESENTATIVE from ZENOGRAPHICS will be demonstrating the AUTUMN & EGO graphics software at the Educational Technology Fair. This software is what Extension will be supporting as its graphics software. The demo will be on Monday the 10th from 11 a.m. to 6 p.m. & Tuesday the 11th from 8:30 a.m. to 4 p.m., in the Earle Brown Center. The demo is free to Extension faculty & staff. For more info call 5-2722.

§ § § § §

THE TELECOMMUNICATIONS DEVELOPMENT CENTER will accept grant proposals for new projects which will develop innovative educational materials using electronic technologies in outreach education. In order that the Center may provide technical support in the preparation of proposals, authors must submit a letter of intent on or before Monday, November 17. If you are interested see the announcement on the bulletin board in the back hall.

§ § § § §

CULTIVAR & GERMPLASM RELEASES - 'Northblue', 'Northsky', & 'Northcountry' Blueberries. J.J. Luby, D.K. Wildung, C. Stushnoff, S.T. Munson, P.E. Read & E.E. Hoover. HortScience 21(5):1240-1242. 1986.

§ § § § §

1st FRIDAY SOCIAL: When: November 7, 5 p.m., (TONIGHT). Where: O'Gara's, Selby & Snelling
Who: Everyone!! - BYOM (bring your own money). Questions/Comments: Ask K. Pomper or M. Evans

!! OVER - OVER - OVER !!

FYI - The NCA-4 members met October 21 & 22. The trip report is available from Laura for your perusal.

§ § § § §

VERSION 4.2 of WordPerfect is now available. For info on how to get your 4.1 version upgraded (pricing, qualifiers), please see Ruth in 305 before November 22.

§ § § § §

CONGRATULATIONS to Redouane & Rashida who became the proud parents of a baby girl last week. As soon as more info (weight, length, name, etc.) is available I'll pass it on.

§ § § § §

MARK DECEMBER 12 ON YOUR CALENDARS now for the HS&LA annual holiday party, this year to be in conjunction with a send-off bash for Paul Read. More details will follow!!!

§ § § § §

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

§ § § § §

THE DATES FOR the 1987 NC-ASHS meetings are July 7, 8, & 9, & will be held at the South Dakota State University.

§ § § § §

THE POTASH & PHOSPHATE Institute Fellowship Program award announcement is posted in the back hall.

§ § § § §

JOURNAL CLUB discussion for Tuesday the 11th will continue on the paper led by Nawarat. Meet in room 108 of the Student Center.

§ § § § §

POSITION ANNOUNCEMENT: Postdoctoral Research Associate - Crop Physiology at Centro Internacional de Agricultura Tropical (CIAT). The individual will conduct research on the relations between nitrogen remobilization, pod filling, photosynthesis & leaf senescence as the affect cultivar differences in yield potential of common beans. For additional information see the ad in the job book or talk with Luther Waters.

§ § § § §

!! Have a Good Week !!

TWIG-BENDER

Vol. 5 - No. 38 -- November 14, 1986
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & Land. Arch.
Editor: Ruth A. Harter

THIS WEEK - NOV. 17-21

MON Plant Breeding Seminar will be given by Neville Wilson on "Genetics and Evolution of the Chloroplast". It will be from 4:00-5:00 p.m. in room 306, Borlaug Hall.

Prelim Potluck - 6 p.m., Luby/Hoover home, 1416 N. Pascal St., St. Paul; Dinner followed by Discussion of November 3rd Prelim Question. Bring your favorite food dish to pass. Beverages will be provided.

TUE The Environmental Physiology Journal Club will meet at noon in room 108, Student Center. The paper for discussion is: "Light quality regulates expression of chloroplast genes and assembly of photosynthetic membrane complexes". Glick *et al.* 1986. Proc. Natl. Acad. Sci. 83:4287-4291.

WED Plant Breeding Seminar schedule change. "The Spatial Arrangement of Cereal Chromosomes and its Implications" will be presented by Dr. Michael Bennett of the Plant Breeding Institute, Cambridge, England, at 12:00 noon, in room 335, Borlaug Hall.

Horticultural Science Seminar will be presented by Dr. Philip Larsen, Head, Dept. of Plant Pathology, U of M. Presentation will be on "An Overview of the Department of Plant Pathology" at 4:00 p.m, room 415 AldH. Arrive early and take part in refreshments and informal discussion.

THUR Plant Physiology Seminar will be presented by Alan Putnam, (Pesticide Research Center, Michigan State University), on "Positive and Negative Impact of Allelo-Chemicals in Agricultural Systems" at 3 p.m. in room 335, Borlaug Hall. Host: J. Gronwald.

MARK YOUR CALENDAR for the annual Horticultural Science & Landscape Architecture HOLIDAY PARTY, DECEMBER 12, which will be in conjunction with a send-off bash for Paul Read. More details to follow!!!

CALENDAR REFILLS - If you would like a 1987 calendar refill, please indicate your name, calendar manufacturer, and refill order # on calendar refill memo and return to Ruth, room 305, by November 24. Thanks.

WORDPERFECT VERSION 4.2 - For information on how to get version 4.1 upgraded, please see Ruth, room 305, before November 24. Thanks.

Finding your place in the sun is an indication it's about to set.

- Doug Larson

I begin to understand that the promises of the world are, for the most part, vain phantoms, and that to have faith in oneself and become something of worth and value is the best and safest course.

- Michelangelo

He who does not know where he is heading will go farthest.

- Chinese Proverb

** HAVE A HAPPY AND SAFE WEEK **

TWIG-BENDER

Vol. 5, No. 39 -- November 21, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - NOV 24-28

- MON - Brown Bag Lunch/Discussion of Morocco Project, Especially in the Involvement of Extension - 12:00-1:00 p.m., 408 Agronomy. Everyone interested in the Morocco Project is welcome to attend.
- Plant Breeding Seminar - "Breeding for Parthenocarpy" - presented by Karl Sauter, 4 p.m., 306 Borlaug Hall
 - Discussions in Horticultural Research - "The Role of Gibberellin Metabolism in Pea Fruit Growth" - presented by Sonja Maki, 7 p.m., Fireplace Room, McNeal Hall. After-session at Paul Read's home, 561 Rolls Road
- TUE - Departmental Coffee Break - 9:30 a.m., 394 AlderH. This week's treats courtesy of J. Hopkins & N. Chalsompongpan.
- WED - No Departmental Seminar
- THUR - Thanksgiving - University Holiday
- FRI - University Holiday

The past several weeks have been very difficult for members of our departmental family. On Monday, November the 17th, Dr. Orrin C. Turnquist, retired professor from our department passed away as a result of a long battle with leukemia. Dr. Turnquist worked in our department for over 25 years before he retired in July of 1978. Dr. Turnquist's contributions to the department, the State of Minnesota, and horticulture have long been acknowledged and very much appreciated.

Yesterday, November 20, Mark & Lisa DeBower's infant son Tyler died of Sudden Infant Death Syndrome. Funeral arrangements are pending.

§ § § § §

JEAN UNDERWOOD, Career Services Coordinator of the College of Agriculture, will speak to the Sr. Seminar class on Monday the 24th at noon in room 415 AlderH. She will describe the service her office provides, & hopes to generate discussion about how else our needs might be served. She wants to have her message heard by the undergrad faculty as well; rather than attempt to schedule as a separate meeting, all undergrad faculty are urged to attend this presentation.

§ § § § §

SOIL USER!: Please order only the amount you will use. Soil not used after 2 weeks will be discarded. Thanks -- the Greenhouse Crew

§ § § § §

THE NEXT CIVIL SERVICE meeting has been scheduled of Thursday, December 4, at 9 a.m., 398 AlderH. Mark your calendar now.

§ § § § §

BE SURE TO USE extra caution when coming on campus on Gortner Avenue from Larpenteur Avenue -- a brand new STOP sign was erected yesterday by the Garden without warning.

§ § § § §

MEETING OF THE Jr. Plant Breeding Discussion Group will be at Dr. Stucker's home. Topic: How to write a thesis proposal. For directions to Dr. Stucker's, see the bulletin board above the grad student p.o. boxes.

§ § § § §

HOLIDAY PARTY & Farewell Bash for Paul Read Tickets are now on sale. We will be celebrating at the Snail Lake Super Club. Social hour will be 6:15, & dinner will be served from 7:15 to 8:15. Purchase your tickets absolutely no later than 2 p.m., on December 8. Tickets are \$7/person & are non-refundable; make checks payable to Hort Office Fund.

§ § § § §

PUBLICATIONS: Mich B. Hein, Mark L. Brenner & William A. Brun. Accumulation of ^{14}C -Radiolable in Leaves & Fruits after Injection of [^{14}C]Tryptophan into Seeds of Soybean. Plant Physiol (1986)82,454-456.

Zimmermann, Elizabeth S. & Paul E. Read. 1986. Micropropagation of Typha species. HortScience 21(5):1214-1216.

§ § § § §

CONGRATULATIONS to graduating seniors: Geoffrey Bloom, Gretchen Klessig, Larry Pfarr, Georgianna Smith, Michael Tentis & Jacqueline Thiebe. The potluck honoring the graduating seniors will be held December 5, at 5:30 p.m., at Don White's home.

§ § § § §

!! OVER - OVER - OVER !!

GET 'EM WHILE THEY LAST -- A few ORIGINAL Hort Horrors T-shirts are available from Paul Read at an extremely reasonable price (free). First come, gets.

§ § § § §

PROJECT SUNRISE Director, Bonnie Pechtel will be speaking to UAC. All faculty are invited to come & learn how to get their share of this \$465,000 educational development pie. Wednesday November 26, from 10-11 in 308 AlderH.

§ § § § §

GRAD STUDENTS- It was recently drawn to my attention that the grad student body has no fund or mechanism to share the joys & sorrows of individual members of our group. Because none of us own Fort Knox, I would like to propose this idea. If each student would donate \$1, a card fund could be started. Then, as needed, a card giving personal acknowledgement on behalf of the group, could be sent. Shortly, you will be finding an envelope asking for \$1 in your p.o. box. Sonja Maki

§ § § § §

DON'T FORGET to get a Christmas wreath. Boy Scout Troup 17 here in the Park has just received their shipment. Martha Plechowski & Dave Davis are liaison people.

§ § § § §

NEEDED: Wine consultants. The wine committee would appreciate help selecting wines for the French Wine Tasting Gala December 6. Ideas regarding regions, types, age, etc. on wines costing \$10 or less are needed. A single meeting of consultants is a possibility, perhaps at lunch time. If you'd like to be a consultant, please let me know ASAP. Muggs Stahler.

French Wine Tasting Gala - The 2nd wine tasting gala will be held at Paul Read's home December 6 at 8 p.m. Five to 6 wine selections & French cheese will be served. Creative French dress is suggested. Tickets for the donation of \$6.50 can be obtained from Barbara Liedl or Kirk Pomper. Other members of the wine committee include Muggs Stahler, John Dole & Richard Harkess.

§ § § § §

JB -- Welcome Back!!

!! Have A Good Week !!

TWIG-BENDER

Vol. 5, No. 40 -- November 26, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DEC 1-5

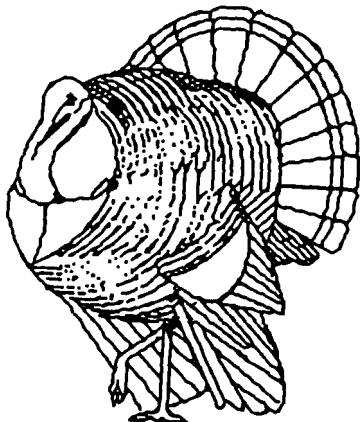
- MON - Discussions in Horticultural Research - "Effects of Calcium Deficiency on Plant Cell Morphology & Membrane Properties" - presented by Catherine Johnson, 7 p.m., Fireplace Room, McNeal Hall. After-session at Sharon Desborough's home, 2210 Midland Grove Road, #201
- TUE - Departmental Coffee Break - 9:30 a.m., 394 AlderH. Treats this week courtesy of D. Olson & B. Corr (& don't forget!)
- WED - Departmental Seminar - "The Rural Landscape: Perception & Management" - presented by Joan I. Nassauer, 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar
- THUR - Civil Service Meeting - 9 a.m., 398 AlderH
- Plant Physiology Seminar - "Purification & Characterization of B-glucosidase in Almond Meal" - presented by Sigurd Assev, 3 p.m., 335 Borlaug Hall

COA DEADLINES: Single Quarter Leave Applications are due in the College Office on Monday, December 1. Proposals for the Bush Sabbatical program are due December 15.

§ § § § §

SPECIAL FACULTY MEETING - Mark your calendars now for a special faculty meeting on Wednesday, December 10, from 10 a.m. to 12 noon. Dean Allen has requested time with all departments & ours will be the 10th. That is the day following the annual meeting already set for review of probationary faculty (12/9).

§ § § § §



QUOTE FROM A COLLEAGUE: "Spend your time pulling people up! Not pulling them down! When you pull people down, they feel badly about you, as well as about themselves! Contemplate, are you not attempting to build your self up in your eyes, but you are self defeating".

§ § § § §

TICKETS ARE GOING FAST for the Holiday Party & Farewell Bash!! Don't be the only one not attending & purchase your tickets immediately. The party will be held at Snail Lake Supper Club, one of the department's favorite party spots. Dinner will include roast beef & ham, with all the trimmings of course! Social Hort is 6:15-7:15 & dinner will be served from 7:15-8:15. Beer & set-ups available. For the small price of \$7/person you will have the opportunity to enjoy the company of your colleagues, share fond memories with Paul, & of course, dance the night away!

§ § § § §

CIVIL SERVICE STAFF - As a result of the fiscal year 1985 financial & compliance audit of the Institute of Agriculture, Forestry, & Home Economics, a change in vacation/sick leave reporting will be instituted as of December 1, 1986. The new form will be available from Laura. The major change is that supervisors will be required to sign the form. We can discuss this at the Civil Service meeting of December 4.

§ § § § §

HAVE A HAPPY & safe Thanksgiving.

§ § § § §

!! Have A Good Week !!



"Boy, this turkey tastes funny. By the way, where's the cook?"

TWIG-BENDER

Vol. 5, No. 41 -- December 5, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DEC 8-12

- MON - Last Day to Purchase Tickets for the Holiday Party
- Fall Quarter Faculty Assembly - 3:30, Student Center Theatre
- TUE - Annual Faculty Meeting - 8:30 a.m., 394 AlderH - All tenured faculty should be in attendance
- Departmental Coffee Break - 2:30 p.m., 394 AlderH. Treats this week courtesy of B. Lamb & E. Hoover
- WED - Graduate Faculty Meeting - 8:30, 394 AlderH. Watch your mail for agenda
- Staff Meeting with Dean Allen - 10:00 a.m., 394 AlderH
- FRI - Wine & Cheese Farewell Reception for Paul Read, 4-5:30 p.m., Cherrywood Room, Dining Center
- Holiday Party & Farewell Bash!! Snail Lake Supper Club - 6:15-7:15 Social Hour; 7:15-8:15 Dinner Served; 8:15 - Party

When we lost our son Tyler, I thought we had lost everthing worth having. It takes a tragedy such as this one to realize what you do have left. I never realized how rich we are with friendship from this department. Your kind words, support, gifts & understanding are making an unbearable situation easier, & for that you will always be in our hearts. Thank you -- Mark & Lisa DeBower

§ § § § §

PUBLICATION: Tsai-Yun Lin, Edward Sucoff & Mark Brenner. 1986. Abscisic Acid Content & Components of Water Status in Leaves of Populus deltoides. Can. J. Bot. 64:2295-2298.

§ § § § §

ROGER has a cart heaped high with small brown paper bags of dried plant material out of the forced air dryer. Has been on hand several months. Does it belong to anyone or should it go?

§ § § § §

CONGRATULATIONS -- Bridget Ruummele placed 2nd in a very close vote in the Crop Science Society of America C-5 Division Graduate Student Paper award program at New Orleans. The competition at the national meeting included graduate students from 14 unversities.

§ § § § §

LAST DAY to order your Boy Scout Christmas wreath is December 10. Please see Dave Davis or Martha Piechowski if you're interested.

§ § § § §

FRENCH WINE Tasting Gala has been rescheduled to January 17. Details to be announced. Wine Committee

§ § § § §

CEDAR CREEK NATURAL Hsitory Area is pleased to announce the availability of funds to begin new research projects on any aspect of the natural history of CCNGA. Individual project awards of up to \$10,000/year will be made. For more info see the flyer in the back hallway.

§ § § § §

GRADUATE SCHOOL announces the 5th competition for the Torske Klubben Fellowship for UofM graduate students to conduct research or study in Norway. This program is supported by the generosity of the Torkse Klubben, a Minneapolis luncheon club of men of Norwegian heritage devoted to promoting cultural & educational ties between Norway & the U.S. For more info see the flyer in the back hallway.

§ § § § §

THE ARBORETUM invites you to kindle your Christmas spirit with a week of special holiday activities from Dec. 6-12. The holiday season is a perfect time to bring friends, neighbors & out-of-town guests to enjoy the unique decorations & warm-hearted festivities at the Arb. This year's theme for the Festival of Trees is "The World Celebrates Christmas" & is a presentation of outstanding trees decorated with all kinds of handcrafted ornaments. The display is open to the public week-days from 8 a.m. to 4:30 p.m., & week-ends from 11 a.m. to 4:30 p.m., December 6 until January 2. For further info on all the holiday activities call the Arb at 443-2460.

§ § § § §

THE SELECTION COMMITTEE for the Alexander von Humboldt Award solicits nominations for the Award in accordance with the procedures & guidelines that are described in the flyer the back hallway. The Award is a cash prize of \$10,000 to be given to the person chosen as having made the most significant contribution to American agriculture during the previous 5 years. Nominations are due no later than April 1, 1987.

§ § § § §

HORT T-SHIRT UPDATE: The sweatshirts & T-shirts are in; however, there have been some unfortunate mix-ups at the printers. The printer reversed the 2 colors (pink & white) on the ladieslipper. To make the best of the situation, we will have these available as of today (12/5) & those who do not like the mistake will be able to buy sweatshirts/T-shirts with the correct colors in about 2 weeks (12/20). Also, raspberry sweatshirts were not available with this order. This color will also be available with the re-order. Shirts will be available M-F 12/5-12/12 from 9-5 in Deb Brown's office. Cost: \$11 for sweatshirts & \$7 for T-shirts. Stay tuned for more info on the sale period for the re-order. We apologize for any inconvenience. Hort Club

§ § § § §

LAST CHANCE to purchase your Holiday Party/Farewell Bash tickets will be on Monday the 8th. The evening won't be the same without you so be sure to join us! Maps to the Snail Lake Supper Club will be available next week from Kathy.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5, No. 42 -- December 12, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DEC 15-19

- MON - Bush Sabbatical Leave Program applications are due in the College of Agriculture Office
- TUE - Departmental Coffee Break, 9:30 a.m., 394 AlderH. Treats this week courtesy of J. Carter & A. Body
- Graduate Studies Committee, 1:15 p.m., 398 AlderH
 - Consultative Committee - 3 p.m., 398 AlderH

TONIGHT IS THE NIGHT to put on your finest party clothes & head on out to the Snail Lake Supper Club for the holiday party/farewell bash for Paul. Bring your favorite Paul story, best singing voice, & dancing shoes! Festivities begin at 6:15, with dinner being served at 7:15. A few (3) tickets are still available so if you happen to be one of those procrastinators, let this be your personal invitation to join the rest of us as we celebrate Paul's good fortune & the holidays tonight at the soon-to-be demolished Snail Lake Supper Club. And don't forget about the reception for Dr. Read this afternoon from 4-5:30 p.m. in the Cherrywood Room of the Dining Center.

§ § § § §

FACULTY & STAFF are encouraged to respond to the Faculty & Staff Census of International Interests & Capabilities survey recently sent out by Ed Persons. This survey is sponsored & supported by the Office of International Agriculture, & the computerized results will become one of the major means by which they hope to improve their ability to bring opportunities for international experience to the attention of those who may be interested.

§ § § § §

LOOKING FOR A GREAT HOLIDAY GIFT? Consider giving that person who has everything an Arboretum membership. Individual memberships are \$20 & family memberships are \$30. Giving an Arboretum membership means your thoughtfulness will be expressed not once, but many times throughout the year. To order, simply call the membership office (443-2478). A gift card announcing your gift will be sent to the recipient.

§ § § § §

WE WOULD LIKE to extend our sincere appreciation to those who donated their precious time, space & equipment for the experiment on electroinjection of plasmid DNS into microthin sections of Populus leaves with Dr. H. Morikawa from the University of Kyoto, Japan. A special thanks to Kathy Louis, Carol Hartley, John Murray, Dengli & InSun Chung for their help during the period of November 5-15, when we were so busy with this intensive study. We apologize for any mess & inconvenience & hope you will not hesitate to notify me of anything we may have overlooked after straightening out any disorder we may have created in your labs. Thank you all for your patience & understanding. Ok-Young Stadelmann

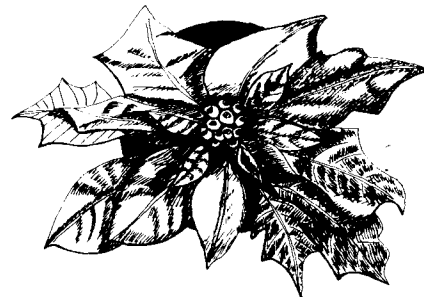
§ § § § §

ARBORETUM SPONSORS Private Garden Tour to East Coast - Flowering dogwood, rhododendron, wisteria, & fragrant viburnum will be in bloom as Peter Olin leads a tour of private gardens on the East Coast from May 8-14, 1987. This excursion will focus on design work by nationally renowned landscape architects A.E. Bye, Michael van Valkenburgh, James Van Sweden, Dan Stewart, & Martha Schwartz. There will be an opportunity to meet with some of the designers, & tours some of the private gardens each has designed. The gardens are on Long Island, in suburban New York & Connecticut. The tour will visit private residences not open to other tour groups. For more info call Travelways (475-9975), or Pete Olin at the Arb.

§ § § § §

THE METAL WEIGHING pan from the triple beam balance in 218 AlderH has disappeared. If anyone has borrowed it or sees it somewhere please return it to 218.

§ § § § §



!! OVER - OVER - OVER !!

CONGRATULATIONS to Carol Hartley who passed her MS final exam last Friday, December 5.

§ § § § §

CLEAN SLATE FOR THE NEW YEAR -- In an attempt to clear the building of unwanted equipment & material, the Hort Shop is sponsoring a "Big Broom Day". All unwanted items marked & left in the main corridors outside offices & labs will be picked up by Roger, Dave & Tom on December 17th & disposed of. Remember: When you see those large mounds of unused "stuff" piled about your work areas, a sad headline in the St. Paul paper could read: Researcher killed by avalanch of disused equipment & papers!!

§ § § § §

REMINDER: Due to holidays, students' time cards will be due earlier than usual the next 3 times. Due dates are as follows: MONDAY/December 15, TUESDAY/December 30, & TUESDAY/January 13. Time cards should be submitted to Angle by 4:30 on these days.

§ § § § §

IN CASE OF EQUIPMENT failure after 4:30 p.m. weekdays, on weekends or holidays, try to refrain from calling plant services if repair can be delayed until their regular working hours 8 a.m.-4:30 p.m., M-F. On their "off" time, double time labor charges are assessed from the time the workperson leaves their home until the time they return to same.

§ § § § §

!! Have A Good Week !!

TWIG-BENDER

Vol. 5, No. 43 -- December 19, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DEC 21-26

WED - Christmas Eve - University Holiday
THUR - Christmas Day - University Holiday
FRI - University Holiday

SPEEDY RECOVERY - Ed Stadelmann is in Abbott-Northwestern Hospital recovering from successful open-heart surgery. Ed went into surgery this morning at 7:30 & Ok-Young just informed us all went well.

§ § § § §

NOTICE HAS BEEN received of possible internships in international development. The application deadline is DECEMBER 22. If you are interested see Laura on Monday.

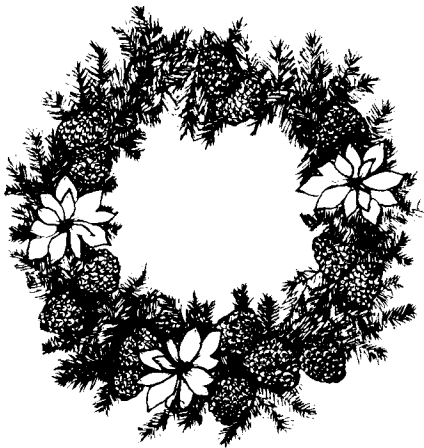
§ § § § §

CONGRATULATIONS to Jeffrey Schussler who passed his final PhD thesis defense today. Dr. Schussler will be leaving in mid-January for the USDA Soil/Water Lab in Morris to work with Dr. Mark Westgate.

§ § § § §

STAYING HOME for the holidays? Love plants? Love cats? I have 4 endearing kitties who will be without me over Christmas (12/23-28). Wouldn't you love to stop by once or twice (near campus) & fill their bowls for me? Contact Julie Padrutt in 320 AlderH or drop me a note. The help would be greatly appreciated.

§ § § § §



DR. KOBRA HAGHIGHI will be leaving this week-end for Michigan State University. Congratulations & don't forget to write!!!

§ § § § §

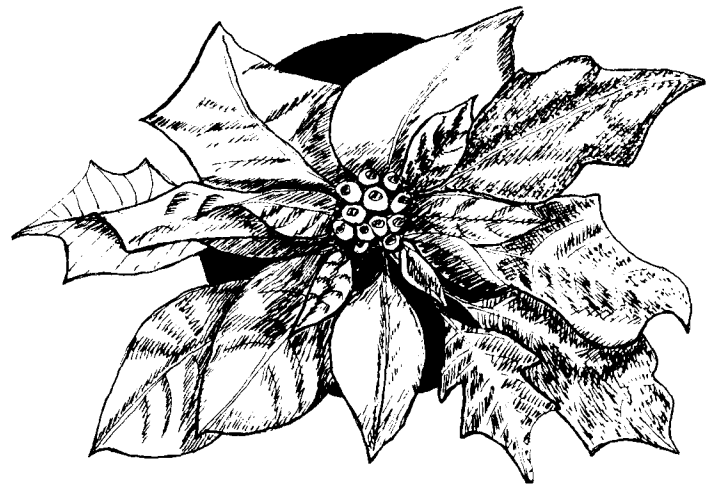
DAVE DAVIS will be travelling to the Michigan Plant Variety Release Workshop in February. Dr. Davis will be one of the presenters.

§ § § § §

HAPPY HOLIDAYS!! Drive carefully over the Holidays -- we want you all back.

§ § § § §

!! HAVE A GOOD WEEK !!



TWIG-BENDER

Vol. 5, No. 44 -- December 23, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - DEC 29-JAN 2

- TUE - Departmental Coffee Break, 9:30 a.m.,
394 AlderH - This week's treats --
Holiday Left Overs!!
- WED - Project Progress Reports Due in
Experiment Station
- New Year's Eve
- THUR - New Year's Day - University Holiday

FRIDAY, JAN 2 - The Office Staff is using the
personal holiday provided civil service employees
-- the office will be CLOSED.

§ § § § §

FAREWELL UNTIL we meet again -- Fouzia
Bani-Aameur will be leaving for home (Morocco)
this Saturday (12/27). She bids all of her friends
in the department a fond farewell until 1988 when
she returns!

§ § § § §

ODE TO A FRIEND --

There once was a man from New York
Who got tired of shooing the stork
To Minnesota he came
To avoid more of the same
Now no one calls him a dork.

Quite impressive was this man named Paul
He for one gave the department his all
Be it soft or a basket
A volley or rackets
This man sure loved to play ball.

The man who goes by the name of Read
Had no trouble propagating by seed
Although still quite verile
He wanted things sterile
So in Vitro fulfilled all his need.

One last question I feel I must ask ya
Why would anyone move to Nebraska?
Is it the acres of wheat
That put all to sleep?
Lord knows he surely don't hasta!!

Affectionately -- your Buds!!

§ § § § §

Happy New Year!!!


UNDERGRAD & GRAD STUDENTS - Dr. Bill
Carpentier, an excellent researcher & human,
has an assistantship open in the hort department
at the University of Florida, Gainesville. The
general topic would be in propagation &
environmental impact. He has some interesting
work in progress. See H.F. Wilkins for details.
Hurry!! He wants to fill it!

§ § § § §

DR. PAUL WILLIAMS from Wisconsin will be
getting together with students interested in plant
breeding for dinner & for the Plant Breeding
Discussion Group (both Jr. & Sr.) on January 6.
Keep that evening open! It should be a good
opportunity to interact as he requested time with
us. All students are welcome. Watch next
week's Twig for details or contact Muggs
Stahler/Neil Anderson.

§ § § § §

WELCOME ABOARD -- Dr. David Pitt will be
joining us this week as our newest landscape
architecture program faculty member. He will be
housed in room 436, phone #4-3612.

§ § § § §

WORD FROM THE TRAVELLER -- We received a
note from Harold Wilkins stating he arrived in
Sarasota & found "his" house on the 11th. He
reports that all is "A+" & he is pleased with
environment/location. We hope he has a
wonderful "vacation" & that he shakes all of the
sand out of his shoes before returning.

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REQUEST FROM THE RECEPTIONIST -- Please
provide Kathy Lloyd with any/all info regarding
upcoming meetings/workshops/conferences.
This will help her greatly when the public calls
with questions. Thanks.

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OVER THE NEW YEAR'S holiday remember to
drive carefully. There are lots of crazies out
there & we want everyone back!! Happy New
Year!!

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Have A Good Week

TWIG-BENDER

Vol. 5 - #45 -- December 31, 1986
305 AldH, St. Paul, MN 55108

Dept. of Horticultural Science & Landscape Arch.
Editor: Ruth A. Harter

THIS WEEK -- JANUARY 5-9

MON - WELCOME BACK EVERYONE!

Hort 8066 will have its first 'Monday night discussion' featuring Marty Stahler. Her presentation will be on: Variation for horticultural, morphological, and isozyme characters among wild strawberry (Fragaria virginiana) populations.

After-session will be hosted by Peter Velguth at 2072 Como Avenue.

TUES - Departmental Coffee Break, 9:30 a.m., 394 AlderH. Does your refrigerator still contain too many holiday goodies? Here's an opportunity for an early spring cleaning. This week's treats -- holiday leftovers.

WED - Wednesday Seminar will be presented by Dr. Paul Williams, Dept. of Plant Pathology, Univ. of Wisconsin. Title: Development and uses of rapid-cycling brassicas. Note: Dr. Williams will be here all Tuesday and Wednesday. Those who would like a chance to visit with him should contact John Carter. The Seminar will be held in room 415 AldH, 4:00 p.m.

THUR - Plant Physiology Seminar will be presented by Steve Berman on the topic: Discrimination among Solanum hybrids using isoelectric focusing patterns of seed proteins. The seminar will be held at 3 p.m., 335 Borlaug Hall.

WANTED: File cabinets. If you have any extra, please contact David Pitt as soon as possible. Thanks!

IMPORTANT PAYROLL INFORMATION.

With your paychecks today you will receive your W2's reporting last year's wages. FACULTY, PLEASE NOTE you will also receive a letter from the Payroll Department giving an explanation of some figures on your W2 form.

ALL PERSONNEL CURRENTLY ON THE

PAYROLL, whether regular or bi-weekly, MUST FILL OUT A NEW W4 FORM

because of the new tax laws which begin on 1/1/87. A blank W4 is also attached to your paycheck today. Please fill it out and return it to Pat Hencir at your earliest convenience.

INFORMATION for Faculty from Roger Benjamin (Provost and Vice President for Academic Affairs), concerning Administrative Interpretation of Regent's Policy on "Indemnification and Defense of Employees", is available for perusal at Laura's desk in room 305.

BPI SCHOLARSHIPS. For information and application forms for BPI Scholarships, please see Laura in room 305.

HAVE A HAPPY

AND SAFE

NEW YEAR'S HOLIDAY!

TWIG-BENDER

Vol. 5 - No. 32 -- October 3, 1986
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - OCT 6-10

- MON - Horticulture Written Prelim Exam - 8 a.m.-4 p.m., 394 AlderH. Pick up questions from Laura Kalisch
- Monday Night Discussion - "Flowering of Zantedeschia rehmannii & Z. elliotiana" - presented by Brian Corr - 7 p.m., Bud Markhart's home, 4593 Shady Lane, White Bear Lake -- See map on the bulletin board behind the grad p.o. boxes
- TUE - Computer Committee Meeting - 11 a.m., 398 AlderH
- Graduate Studies Committee Meeting, 1:15 p.m., 398 AlderH
 - Consultative Committee Meeting - 3 p.m., 398 AlderH
- WED - Undergraduate Affairs Committee Meeting - 10 a.m., 398 AlderH
- Incompatibility Discussion - 1 p.m., 398 AlderH
 - Departmental Seminar - "Initiation & Organization of Microtubules in Flowering Plant Cells, & Their Relationship to Morphogenesis" - presented by Dr. Sue Wick, Department of Botany, UofM - 4 p.m., 415 AlderH. Refreshments will be available prior to the seminar. Seminar attendees are encouraged to arrive early & take part in informal discussion

HOW DID WE OPERATE before the "Xerox"???? 24,167 copies were made during the 9 days between September 21 & September 30!!!

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VISITOR ACCOMODATIONS -- Did you know that there is an excellent motel/hotel (Sunwood Inn) west of Bandana Square? Singles are \$44 & it could be the closest hotel to our building! The restoration is very well done.

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PUBLICATIONS:

Brenner, M.L., W.A. Brun, J. Schussler & N. Cheikh. 1985. Effects of Endogenous & Exogenous Plant Growth Substances on Development & Yield of Soybeans. Plant Growth Substances, ed. M. Bopp, Springer-Verlag Berlin Heidelberg 1986.

Peter J. Davies, Paul R. Birnberg, Sonja L. Maki & Mark L. Brenner. 1986. Photoperiod Modification of [¹⁴C]Gibberellin A₁₂ Aldehyde Metabolism in Shoots of Pea, Line G2¹. Plant Physiol. (81)991-996.

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PROPOSALS FOR Phase II of Project MinneMac are due to Dr. Wharton on October 15.

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JOURNAL CLUB will meet at noon on Tuesday, the 7th in 398 AlderH. Nawarat Chaisompongpan will lead the discussion on "Temperature & Leaf

Osmotic Potential as Factors in the Acclimation of Photosynthesis to High Temperature in Desert Plants" Plant Physiol. (1986)80, 926-930.

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INSTRUCTIONAL MICROCOMPUTER LABS on campus are: Anderson Hall 170 (West Bank, 4-6526); Appleby Hall 204 (East Bank, 5-5080); Central Library B50 (St. Paul, 4-3269); Eddy Hall Annex 54 (East Bank, 5-0314); Folwell Hall 14 (East Bank, 5-4896); Lind Hall 306B (East Bank, 5-9032); Moos Tower 8-425 (East Bank, 5-1477); & Walter Library 9 (East Bank, 5-1899). Instructional microcomputer equipment can be accessed with a Microcomputer Access Card. The cards, valid for 1 academic quarter, can be purchased for \$20 at the Williamson Hall Bursar or the St. Paul Bursar, & can be used in any of the above mentioned labs.

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COA REMINDERS & DEADLINES:

- 10/6 - Grad School Grants-in-Aid of Research Proposals
- 10/6 - Hill Visiting Professor Appointments
- 10/15 - COA MinneMac Proposals
- 11/1 - COA Woksape Proposals
- 11/12 - Grad School Summer Research Fellowships

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Dignity does not consist in possessing honors, but in deserving them. Aristotle

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BUSH SABBATICAL PROGRAM Sampler & Information Meeting will be held Tuesday, October 14 from 2:30 to 4 p.m. in the East Wing of the Campus Club. The agenda for this meeting is: Guidelines & Selection Process. Moderators: Lesley K. Cafarelli, Director, Office of Educational Development Programs & Peter J. Read, Professor of English & Chair, 1986-87 Bush Sabbatical Program Selection Committee, & Personal Reflections by Past Recipients, including Shirley Garner, English (1984-85), George Shapiro, Speech-Communication (1985-86), Michael Simmons, Genetics & Cell Biology (1982-83) & Janet Spector, Anthropology (1984-85). Copies of the application of the 1987-88 program will be available at this meeting.

Bush Sabbatical Program Proposal Writing Workshop will be held on Tuesday, November 4, from 2:30 to 4:30 p.m. in 307-09 Coffman Union. This workshop, offered in response to numerous requests, will assist applicants in the preparation of their proposals to the Bush Program. Academic staff of the Office of Educational Development Programs & previous Bush recipients will meet with applicants to review proposal drafts, answer questions & suggest ways of strengthening proposals. Participants should bring drafts of their proposals to this workshop.

Those eligible for the program are tenured, full-time faculty on regular appointment who will be eligible for a regular University Sabbatical Furlough in 1987-88.