

# WEEDS & SEEDS

Number 1, March 3, 1978

Department of Horticultural Science & L.A

**Greetings** - You now have in your hands the first issue of the department's newsletter. No doubt you have several questions: Why? To provide a periodic and accessible source of useful information and reminders of department events. To communicate on some matters not usually covered in the current memos and postings.

**When?** Every Friday. "Neither rain nor snow nor sleet" nor plantings nor harvesting will keep this handy paper from your P.O. box.

**Who?** Avis and Linda are involved in getting this to you. Please submit information you would like to see here to Avis by Thursday noon of each week, earlier if possible. Linda will then organize and write.

**What?** We intend this to be a 1 page paper, artfully named, and useful to you. No, "Weeds and Seeds" is not its permanent name. Watch this publication for rules of the naming contest. Content will reflect contributions.

**Whose?** This newsletter belongs to all of us. It is meant to be useful and communicate what you would like to see communicated in the department. Suggestions are willingly accepted.

## Announcements

Bob Mugaas has left his post as Junior Scientist to accept a position as Associate County Extension Agent, Hennepin County.

Mr. Paul Boldt, Pesticide Research Center, Michigan State University, has accepted the position for vegetable physiology.

We have still not heard any definite comments from Bert Swanson in regard to the Nursery Management position.

We are in the process of interviewing for the position that Pat Hencir vacated when she took the Senior Accounts Clerk Position. It has been posted as a senior secretary position.

John Snyder has recently accepted a position at the University of Kentucky in Lexington as an Assistant Professor of Horticulture doing basic research on genetics and physiology of vegetable crops.

Dave Holm recently left the department to take a research position at the San Luis Valley Agriculture Research Center, Center, Colorado.

## MEETINGS

Wednesday March 8 8:15 a.m.  
Staff meeting Room 394

Wednesday March 8 4:00 p.m.  
Seminar Room 415  
given by Tom Maier

We will be hosting a group of faculty from Michigan State University on March 14 and 15. Paul Rasmussen and 6 other members of the Horticulture Department will comprise the group. The purpose of their visit - to look at our facility in terms of the new one they are designing.

## SAFETY

There have been a few accidents recently which have served to remind us we need to focus on the safety of the procedures we follow as well as the facility we occupy. Linda will be meeting with a safety officer of the University on Monday. Discussions in this department, information from other departments and suggestions from University officials should all help us develop useful guidelines for safety in this department.

# turf & tundra

Number 2, March 10, 1978

Department of Horticultural Science & Landscape Architecture

## Announcements

Curt Klint is now with us on a part-time basis to assist with the Turf Program. His office is Room 436; his phone, 3-1149.

Mary Stuart who has taken the job of Junior Scientist with Dr. Widmer is now in Room 462, phone 3-1312.

Dr. Bert Swanson has accepted the Nursery Management position. He will assume his new duties in July.

Luther Waters from Oregon State University will be here March 15, 16 and 17 to interview for the Vegetable Extension position. Please sign up to visit with him in the main office.

**DEADLINE - Abstracts for ASHS Meetings (July 15-20) must be received by March 15.**

## Meetings

Tuesday 14th, 2-3:30 Special Staff Meeting in Room 394, facilities budget.

Wednesday 15th, 4 p.m., Room 415 - Seminar "Effect of Plant Density on Carbohydrate Distribution in Beans", Luther Waters

Friday 17th, Departmental Retreat, 8:30 a.m. - 4:00 p.m., Arboretum

## Visitors

On Wednesday March 15, a group from Michigan State University will be touring our building. They arrive in Minneapolis the evening of the 14th and leave the following evening. Those coming are Paul Rasmussen and Donald Dewey from Horticulture, Raymond Kunze and Milo Tesar from Crop and Soil Science, Robert Siefert, Director of the Planning and Space Office of the University, David Armstrong of the Dean's Office, College of Agriculture and two architects from the Detroit firm designing the Michigan facility, Gordon Hoyem and Jack Monteith. Faculty members interested in lunching with this group, please notify Linda. Room 394 has been reserved from 2-3 p.m. to provide a chance for discussion and questions about living with and in Alderman Hall as designed. Your comments may be very helpful to the Michigan faculty as they plan their new facility.

## Workshops

Tuesday 14th, Canners and Freezers Workshop at Wasco. See Clint Turnquist or Dave Davis for more information.

Notice: Ms Vicky Weise has accepted the Senior Secretary position in the main office. She will begin working upstairs as soon as we can hire a replacement for her.

## Gas Cylinders

Each research project is responsible for initiating the return of gas cylinders. Please label your tanks "empty" (if that is the case), take them to the cylinder area on first floor, call the storehouse and request pickup. Give Pat Hencir the identifying numbers for your returned tanks; this allows her to be alert for charges continued in error. Check later to see if the Storehouse has picked up the tanks. There is room for only 8 tanks on the first floor so everyone's cooperation is needed to keep tanks coming and going on schedule.

# Chloro-filler

Number 3, March 17, 1978 Department of Horticultural Science & Landscape Architecture

## Events of Interest

Monday, March 20, "Man, the Forest and Wildlife," forest owners and users conference, McNeal Hall, Room H33

Tuesday, Wednesday and Thursday, March 21-23 "The Plant Seed: Development, Preservation and Germination," Symposium, Room H33, McNeal Hall

Wednesday, March 22, Combined Turf and Athletic Field Maintenance Short Course, Sheraton Inn Northwest, participants and/or planners include Jim Ozburn, Don White, Curt Klint and Margaret Smithberg

Pat Hencir's husband Tom is hospitalized. This is a time of considerable stress for Pat, and time in which any special consideration we can show her will be deeply appreciated.

Mr. John Schabinger who is currently an Agriculture Extension Agent in Virginia will be here on Tuesday, March 21, to meet with Dr. Davis and others regarding graduate study at Minnesota.

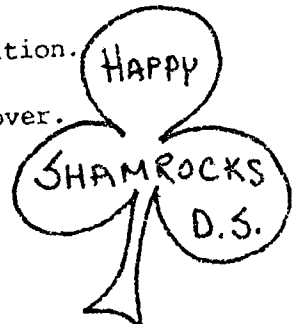
Faculty -- an answer to a perhaps not-yet-asked question: Will seminar be held on Wednesday March 29? Yes. The reception at the Arboretum scheduled for the same day begins at 2:30. It should be possible to include both events on your calendar. The departmental van has been reserved for that day so anyone wishing to ride out to the Arboretum in the van that day, please contact Avis.

## YOU KNOW YOU ARE IN MINNESOTA WHEN ...

- Vacationers have to buy thermal bikinis.
- The State Seal is a hockey puck.
- There are more laws regulating margarine than marijuana.
- Smelt is a noun.
- The main attraction at the Science Museum is an 85 foot prehistoric monster called Mosquitosaurus Terribillis.
- Bullheads are inedible.
- Col. Saunders has a Swedish accent.
- Menus listing "Seafood" include walleye pike.
- Power brown-outs in March are caused by the increase in shock treatments.
- Rudy Boschwitz is more famous than Archbishop Binz.
- The Iron Range has no range, the North Stars have no star and Scotch tape doesn't live up to its name either.
- Short-sleeved shirts can be handed down from generation to generation.
- Nobody thinks Ingmar in the Vasa brod ads has an accent.
- Easter baptisms have to be cancelled because the font is frozen over.
- Interstates 35 West and 35 East run North and South.
- Lefse is used as a food instead of a carpet padding.
- Lutefisk is edible.
- More people take saunas than take valium.
- A Finn isn't a five dollar bill.
- When visitors keep asking where Mary Tyler Moore works.



THE MINNEAPOLIS  
**STAR**  
421 Portland Avenue  
Minneapolis, Minnesota 55408



# Green Gazette

Number 4, March 24, 1978 Department of Horticultural Science & Landscape Architecture

## Spring Quarter Meetings

Staff Meetings: 8:15 - 10:00  
April 11, May 9, June 13  
Consultative Committee:  
8:15 - 10:00  
April 4, May 2, June 6

## Events

Wednesday, March 29: Faculty-Reception at Landscape Arboretum, 2:30.  
Wednesday, March 29: Seminar, 4:00 p.m., 415 Alderman Dr. Harold Pellett, Future Plans for Projects 53/55  
Thursday, March 30: Plant Physiology Seminar, 3:00 pm Room 6, BioScience Center, Dr. Robert Giaquinta from DuPont Laboratories on phloem loading

Steve Pierson is leaving the department on April 1 (no, he's not fooling) to go to Harris Laboratories in Lincoln, NE where he will be setting up their High Pressure Liquid Chromatography Laboratory. We will all have a chance to wish him well on his new venture over afternoon coffee on Thursday, March 29.

Debbie Filler has accepted the post of Junior Scientist at the Research Center. She began on March 22.

Syrup will be flowing at the Landscape Arboretum as the annual "Operation Sugar Bush" begins March 27. Saturday Apr. 1 from 11:00 - 3:00 is the day the operation is open to the public. School groups are scheduled for tours during the 2 weeks of the project.

A 1925 University of Minnesota Yearbook has been donated to the Department by the A. E. Hutchins' family. It will be kept in 398.

Two Civil Service positions for the Department have been posted, a 10 month Senior Clerk Typist position in the main office and the Senior Secretary position in the extension office. Interviews will be held in the next week.

The "trout fishing contest" originally scheduled for Mullin's Lake is being cancelled because of drainage problems.

Dr. Brenner will be hosting two international visitors on Wednesday, March 29. Dr. Susumu Kuraishi of Hiroshima University and Dr. Hashimoto of Ehime University will be here as part of their tour of the United States. Their areas of interest are plant hormones and stress physiology. Please see Dr. Brenner if you are interested in meeting with the visitors.

Friday, March 31 will be Mrs. Genevieve Cragg's last day in the Department as a full-time employee. Fortunately for us, she will be returning on a part-time basis during the coming year. She says she will begin by taking her retirement seriously; however, she plans to use the entire month of April to learn to sleep late and generally relax. She and her husband, Harold will use some of their time for traveling. The first trip contemplated is a journey by car to Alaska. One of their sons lives in Portland, Oregon and another in Highland Park, Illinois, and no doubt some traveling will be done in those directions. Mrs. Cragg intends to join her husband in his strong gardening interests and sees herself maintaining her interest in horticulture, this time through her own fieldwork. There will be a potluck lunch in honor of Mrs. Cragg on Friday March 31. Everyone is cordially invited. If you have not yet indicated what you will be bringing, please see Avis.

Avis has purchased a departmental scrapbook and is in the process of collecting materials to include in it. Things to be included are: photos of departmental events, newspaper clippings containing information about departmental personnel, etc. Please give any information or materials you may have to Avis.

PRELIM EXAM QUESTION: MONDAY, MARCH 27, 7:00 p.m. 310 AldH



# cuttings & clippings

Number 5, March 31, 1978 Department of Horticultural Science & Landscape Architecture

On Monday, April 3, we will have two visiting students giving a seminar. Redouane Choukr-Allah and Ahmed Skiredj, Moroccan participatory students, are returning to Morocco after having studied vegetable crops physiology at the University of California, Davis. They will be completing their study program at the Institut Hassan II with Professor Aly Lasheen.

The new Department Head of the Department of Plant Pathology is Dr. James Hunter currently Head of Plant Pathology, Cornell University at Geneva, NY. He will assume his duties July 15.

The Preliminary Exam question given Monday Evening March 27, was as follows: "Compare the environment of a Green Ash growing in an above ground planter on Nicollet Mall to one growing in a yard in suburban Edina. How will these environmental differences affect the growth and development? What cultural practices would help compensate for the differences?"

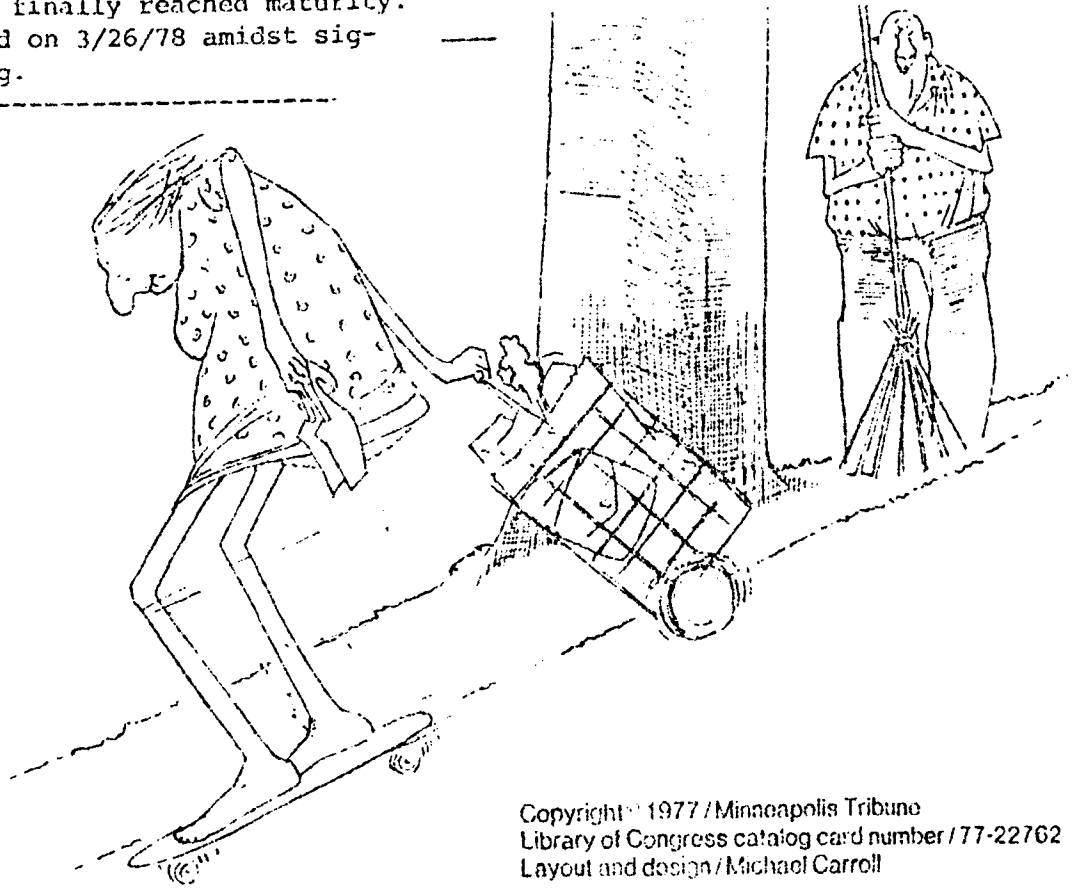
Margaret Litzow has finally reached maturity. She was 30 years old on 3/26/78 amidst significant celebrating.

Dr. Ken Sinks, Horticulture Department Michigan State University will be visiting our department April 26, 27 and 28. He is here not to interview for a position, but to give a seminar. His seminar presentation for Wednesday April 26 is "Protoplast Culture in Petunias." He will meet with the Floriculture Discussion Group on Friday, April 28. He has expressed an interest in meeting with faculty and students in the department and we encourage anyone interested to take advantage of his visit to meet with him. Please contact Terry Ferris by Friday, April 14, if you would like to meet with Dr. Sinks during his visit.

Monday, April 3 - 11:00 a.m. 394 AldH  
Seminar by Moroccan participating students.

Tuesday, April 4 - 8:15 a.m. 398 AldH  
Consultative Committee

Wednesday, April 5 - 4:00 p.m. 415 AldH  
Seminar, Dr. Donald White "Biology and Utilization of Turf Grass."



"Ahh, Spring."

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# friday's child

Number 6, April 7, 1978 Department of Horticultural Science & Landscape Architecture

Dr. Nylund, acting as the official department ASHS reporter is gathering news information for HortScience. If you have any items of interest, please see him.

## Meetings

Tuesday, 11th - 8:15 - 10:00 a.m.  
Staff Meeting - 394 Ald

Wednesday, 12th - 4:00 p.m., 415 Ald  
Seminar, Marikis Alvarez, "Inter-specific Bean Hybrids with the Aid of Embryo Culture."

It is time to think about when and how to get to this year's ASHS meetings in Boston. We will be sending out a notice soon, full of queries on schedules, buses, cars, and planes. Please give some thought now as to what your plans may be.

Reminder! Keep your social calendars free the evenings of May 3 for Dr. Turnquist's retirement party and May 24 for retirement party for Dr. Nylund.

Packets of information have been assembled, designed to answer the questions of those who inquire about our undergraduate program. The packets are available in the main office. See Avis if you wish to see one.

## Announcements

Mr. Luther Waters has accepted the vegetable extension post. He is scheduled to begin his duties October 1, 1978.

There will be a farewell coffee for Dr. Boyd in 299 Coffey Hall 3-5 p.m., Friday, April 14. Dr. Boyd will be leaving in May to assume the duties of Director of the Washington State University College of Agriculture Research Center at Pullman, Washington.

Forty high school students of horticulture from Cresco, Iowa will be visiting in our greenhouse on Monday the 10th. Dr. Read will be speaking with them.

Fire Extinguisher has been installed on the wall just outside the transfer room C431. For students and staff working in that room, please read the use instructions on the extinguisher.

Dr. Wilkins picked up *Alstroemeria* when he was in Holland two years ago and has not been able to shake it since. Dr. Ozburn is still trying to find out if penicillin will cure it.

CONTEST! FREE ENTRIES! AWARD!

Hooray! High time! At last! Perhaps you've noticed the continually changing title of this, your, newsletter. Those titles were intended not to convince you of the editor's lack of imagination, but, to show you samples of possible winning and win-some titles. Now, however, is that chance for immortality you've been looking for. Name the newsletter. Write your entries clearly, identify yourself as the contributor, place the entries in the P.O. box marked for this purpose. Entries will be judged on all sorts of commendable criteria by an appointed committee representing all segments of our department community. If you are asked to serve on the committee, you will not be eligible to submit an entry. Entries will be posted in the coffee room. Deadline for entries is 4:30, Friday, April 14. The winner will be announced and feted on Friday, April 21. Reserve the coffee hour of that day for official ceremonies.

OVER

The plastic bag on Dr. Wilkins' right hand preserves the Presidential hand-shake. Dr. Wilkins was a guest at the White House this week.

#### Meetings

Wednesday the 19th - 4:00 p.m. 415 AldH - Seminar, "Branching in the Twilight," Mr. Royal Heins.

Watch this space for announcements of the date for "Hort Campus Cleanup".

#### Announcements

Reminder - see Terry Ferriss if you are interested in visiting with Dr. Sinks from Michigan State who will be here April 26-28.

Arthur Peterson of the Virgin Islands has received a fellowship from the Graduate School and will be starting a PhD program here in August with Drs. Davis and Parsons. He is currently in an MS program at Colorado State.

Nine Hort Club members visited the University of Wisconsin, River Falls on April 12 to discuss: 1) ways of organizing and raising money and 2) the ASHS and MACHS.

Dr. Jerry Neptune, the Agriculture Office of AID Morocco will be in the department later next week to meet with Dr. Ozbun and others.

#### Newsletter Names Submitted

As we go to press, the following have been submitted: Hortus Reportus, Friday's Arboringer, Callus Remarks, Hortus Shorts, Hortus Summarium, Ozbun's Oracle, Snorts from Hort. You can still submit a name. Deadline 4:30 today. Don't delay.

#### Congratulations

Newly Elected Hort Club Officers: Harvey Buchite - President, Jim Axt - Vice President, Mitzit Freidel - Secretary, Kris Bernardy - Treasurer.

#### Intercollegiate Flower Judging Contest

The University of Minnesota Flower Judging Team placed 4th in a field of 17 teams in the 1978 contest held at New Mexico State University, Las Cruces, New Mexico, on March 31. The contest involved specimen judging of cut flowers, flowering pot plants, foliage plants, and cacti. With a possible point total of 7200, the Minnesota team was only 31 points behind the 1st place team. Team members were Jan Peterson of St. Paul, who placed 3rd in judging cut flowers; Jamie Christianson of New Brighton, whose point total was 2250, or 19 points less than the top judge in the contest; Kathy Edwards of New Ulm; and Jackie Hanson of St. Paul, who served as the alternate. Less than 80 points separated the members of the Minnesota team. Dr. R. E. Widmer coached the team and Robert Lyons, a graduate student, accompanied the team on the trip. The contest was co-sponsored by Pi Alpha Xi, the honorary floriculture and ornamental horticultural fraternity, the Society of American Florists and New Mexico State University.

Reserve late afternoon, May 18, for undergraduate pre-registration.

We have filled Mrs. Cragg's position which is now a 10 month position. Ms. Mary Bandow will begin in the office on April 24th.

A great deal of hard work was put in by a number of people in the department to assure we met the deadline set by Res. Adm. and I want to thank everyone for the part they played in the successful completion of this task. It was a large task well done. JLO

On Wednesday of this week 7 grants from this department were submitted to the Competitive Grants Office of the USDA/Science and Education Administration. The grants titles and Principal Investigators are as follows: 1) "The Potato Protein Phenotype: Biochemical Evaluation of Genotypes and Yield Potential of Selections," Sharon Desborough; 2) "Stock Plant Manipulations to Improve Plant Tissue Cultures", Paul Read; 3) "Cryogenic Preservation to Overcome Genetic Vulnerability of Clonally Propagated Plants," Cecil Stushnoff; 4) "Tissue Culture Generation of Fertile Chromosome Substitution Hybrids from Sterile Interspecific or Intergeneric Hybrids," Peter Ascher; 5) "Host Plant Specificity, Infection Mechanism and Nitrogen Fixation Efficiency of Rhizobium in Interspecific Hybrids of Phaseolus," Peter Ascher and David Davis; 6) "Response of Photosynthetic Capacity to Changes in Environmental Conditions as Manifested by Effects on Ribulose-1,5-biphosphate carboxylase-oxygenase to Temperature Change," John Carter; 7) "Hormonal Control of Source/Sink Effects on Photosynthesis," Mark Brenner and Bill Brun (Agronomy).

# St. Plant Pioneer's *Currants from Herb* Purd

Number 8, April 21, 1978 Department of Horticultural Science & Landscape Architecture

Following the enthusiastic deliberations of a committee whose membership shall remain anonymous, we have the above chosen as the newsletter name. As we went to press, however, the difficulties with the title for so small a paper as ours became obvious. The publisher has therefore decided to go with the committee's second choice "Twig Bender" as the name of the newsletter for future editions. It is only fair, however, that the first place winner have a chance on the masthead for at least one edition. The winning title was submitted by John Carter (with only slight changes to the original by the committee.) "Twig Bender" was submitted by Robert Mullin. Congratulations to the winning submissions. Thanks to everyone who submitted a title. Ed.

## Reminders

Please return your dinner reservations for Dr. Turnquist's retirement party to Avis by Monday the 24th.

May dates to remember: May 3 - Dr. Turnquist's Retirement Party. May 23 - Kermit Olson Lecture, McNeal Hall. May 24, Dr. Nylund's Retirement Party.

When you are scheduling a graduate exam, please notify Avis.

## Hort Line

May 19 - Let's Clean Up our Act Day in Horticulture. This day is being arranged by Drs. Mullin, Hard and White. The purpose - to care for our perennial garden and landscape immediately around Alderman Hall in ways that cannot be accomplished by University maintenance manpower, to give the extra effort to make our environment truly positive. Who's involved? Everyone in this department is invited to participate. Further details will be forthcoming. For now - lay out your work clothes, reserve the date, and look forward to a chance to join with others in some sprucing up.

## Congratulations

To Jan Gembis who passed her Master's Exam. To Paiboo Gavinlertvatana who passed his final PhD exam.

## Alderman Advances

We're contemplating a change in the space arrangement in the office. The major change will be to move the front counter over so that it begins at the wall where mail boxes are located. This will move the receptionist into a position where she truly can receive visitors and questions. In addition, the change in traffic flow will enhance office efficiency. It won't happen overnight. We feel that such a major change warrants advance notice and discussions.

## Au revoir

Today, Friday, is Charlene Grant's last day with us. She has given us superb temporary help in the office and we wish her success in her language pursuits.

## Gamma Sigma Delta

At last night's banquet Dr. Turnquist and Dr. Nylund were honored with the Gamma Sigma Delta Award of Merit for their contributions to teaching, to science and for their service to Gamma Sigma Delta. Jane McKinnon is the new President. Sharon Desborough, Peter Olin and Jim Ozburn were initiated as members. Graduate students also initiated were Steve Grier, Dave Holm, Margaret Litzow, Bob Lyons, John Preece, Dennis Stimart. We will have names of undergraduates in next week's paper.

Allan Cussow will be a visiting lecturer in Landscape Architecture Monday and Tuesday the 24th and 25th. His complete schedule is posted in L.A. A public lecture will be given Monday in Architecture 125 and a workshop Tuesday afternoon in the Meats Building. Weather permitting there will be a bag lunch outside of Meats on Monday. Everyone invited.

Wednesday April 26, 7:30 - 9:00 p.m. Public Lecture by Mr. Philip H. Lewis, Hill Visiting Professor. This is the first of 3 public lectures to be held this term. "The Upper Midwest Landscape: Design, Diversity and Democracy." McNeal Hall

# TWIG-BENDER

No. 2, April 28, 1978

Department of Horticultural Science & Landscape Architecture

## Meetings

Monday - 7:00 p.m. - Grad Prelim Question - Room 310 AldH

Tuesday - 8:15 - Room 398 AldH Consultative Committee

Wednesday - 4:00 - Room 415 AldH Seminar - Steve Murray

Wednesday - 6:30 p.m. - Venetian Inn - Dr. Turnquist's Retirement Party

Friday - 1:00 p.m. - Room 394 AldH Special Seminar by Dr. Wallace Nelson, Superintendent of the Southwest Experiment Station - Discussion of his recent visit to Nepal.

## Final Master's Exam

Virginia Lerch, Friday, May 5, 1:30 p.m. in Room 398.

You may have noticed some new faces in the Main Office. They are: Carol Freppert who is acting as our office receptionist and working for Davis, Stushnoff, White, Smithberg & Read. She was formerly employed at Ramsey County Hospital as a secretary and is new to the University. Mary Bandow comes to us from the 4H Office where she worked for 4 months as a Senior Clerk Typist. She is on a 10 month appointment with us having the months of July and August off. She does the work of Forsyth, Mullin, Olin, Simons, and Munson. She is also responsible for undergraduate grading records etc. A hearty welcome to both of you.

## REMEMBER MAY 19

The Clean Up is still planned for Friday, May 19. More complete details will be printed here next week. Activities planned to date include planting new shrubbery at the hilltop entrance, ground cover on the opposite entrance, certainly activity in the perennial garden. Keep the day clear on your calendar.

Calling All Artists .... If you have not entered yet see Angie today -- Monday at the latest, to include your entry in the Department Art Show to be held in June.

Wednesday, May 3, at the Arboretum there are public lectures 1:00-3:00 and 7:30 - 9:30 p.m. by Walt Gustafson on building pools, fountains and water falls (\$4.00 for non-members).

Congratulations to Dr. John V. Carter who on April 17th ran the Boston Marathon in 2 hours 52 minutes.

Hort Club - Last weekend Dave Davis, Harold Pellett and 18 students traveled to Ames, Iowa to a meeting of the Mid America Collegiate Hort Soc. They were the largest delegation present from an outside institution. Their weekend included tours of the horticultural department, Iowa commercial horticulture industries and presentations by professionals from other institutions as well as business and social activities of MACHS.

Terry Howe has information on a CETA funded position at the Minnesota Science Museum which may of interest See her for mor information.

*Nothing is quite so annoying as to have someone go right on talking when you are interrupting.*

Bulletin Boards - a reminder on available spaces. 1) material pertinent only to faculty should be posted on the new bulletin board at the side of faculty mail boxes; 2) materials of interest to graduate students should be posted on the graduate student bulleting board across from 394; 3) materials of interest to entire department may be posted on the black posting board in the lobby -- these include seminar notices and work notices -- the remainder of the board is for displays,

# TWIG-BENDER

Number 10, May 5, 1978

Department of Horticultural Science & L.A.

## MEETINGS

Tuesday the 9th: 8:15 a.m.,  
Staff Meeting, 394 AldH

Wednesday the 10th: 4:00 p.m.  
Seminar by Richard Rideout  
415 AldH

## ANNOUNCEMENTS

The Prelim Question given Monday, May 1: "List four questions that could be used for future written prelim exams. Indicate briefly why each is a good question."

Help! Cars only work when the keys are available. Please remember to return them after you have used a car. As a courtesy to the next driver, please clean out whatever grime results from your trip.

There will be two groups of students visiting the greenhouse on Wednesday the 10th. A group of elementary students from Breck School in Mpls., and high school students in a horticulture class from Waterville, MN.

SPRING IS SPRUNG,  
THE GRASS IS GREENER,  
BREATHES THERE A HORTI-  
CULTURIST KEENER  
THAN ONE WHO BRIGHT  
AND EARLY SHOWS,  
TO APPLY AT ALDERMAN  
WHAT S/HE KNOWS.  
MAY 19 IS CLEAN UP DAY  
BE PREPARED TO HELP  
IN ANY (HELPFUL) WAY.

Over 250 guests joined Dr. and Mrs. Turnquist at the Venetian Inn on Wednesday night to honor Dr. Turnquist for his many years of service to the department and the state.

This past week Peter Ascher gave two seminars at the University of Wisconsin. He traveled to Madison with graduate students Litzow, Flaschenreim, Stimart, Robacker, Alvarez, Heinrich, Hummel and Zagorski. The students had an opportunity to meet with faculty and students at Madison to discuss research.

Wednesday the 10th at the Arboretum, Elmer Swenson will be lecturing at 1:00 and 7:30 p.m. on growing grapes. Admission \$4.00 for non-members.

Mrs. A. E. Hutchins died Saturday April 29, 1978.

*A good supervisor, they say,  
is someone who can step on  
your toes without messing up  
your shine.*

## Announcements

A memorial to Winifred (Mrs. Arthur) Hutchins has been established at the Landscape Arboretum. Anyone wishing to contribute may make out a check to "University of Minnesota, Winifred Hutchins' Memorial Fund" and send it to the Arboretum.

Steve Grier and Marikis Alvarez presented papers at the 46th annual meeting of the Minnesota Academy of Science, held at Macalester College on the 29th of April.

Sunday, May 14th, the Arboretum is having an Early Iris Show in the auditorium from 11:30 - 4:30.

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*Temper is what gets most of us into trouble. Pride is what keeps us there.*

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## Meetings

Wednesday 17th - 4 p.m. Room 415, Seminar, Mike Dana

## Lost and Found

Dr. Wilkins has lost 2 bound PhD theses - one by B. T. Swanson, the other by S. M. Roh. Please contact him if you find one or both.

To follow up ..... Harold Wilkins' trip to Wash. D.C. the week of April 10 was only briefly reported when he returned April 14. He was there to attend committee and board meetings of the Society of American Florists. The society was honored at a White House luncheon given by President Carter on Tuesday, April 11th for their efforts in placing fresh flowers in public tour areas in the White House on a regular basis. At their meetings the Society honored the Director of General Services Administration for their new policy that all government buildings will upgrade their landscapes and interior plantings and have plants for all old and new buildings and offices.

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Reserve - Wednesday evening, May 31, hours to be announced, a reception for the departmental art show.

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"Can't you do that outside?"



# TWIG-BENDER

Dept. of HortSci. & L.A. May 19, 1978

WE HOPE YOU ARE READING THIS IN FULL WORKING DRESS, READY TO ASSIST WITH CLEAN UP TODAY!

## Events this week:

Monday the 22nd: 3-7p.m. Headhouse, Hort Greenhouse, Undergrad. Pre-registration.

Monday the 22nd: 7:30 p.m., Landscape Arboretum, lecture by Professor Nelson.

Tuesday the 23rd: 9-11 a.m. Undergrad Curriculum Committee, Room 398.

Tuesday the 23rd: 8:00 p.m., Kermit Olson Memorial Lecture "Concept Community Trees" Professor Nelson, Room 33, McNeal Hall.

Wednesday the 24th: 4:00 p.m., Room 415, Seminar by Jim Henrich

Wednesday the 24th: 6:30 p.m. Retirement Party for Dr. Robert Nylund

Thanks ... to Bob Lyons and the greenhouse crew for their work with the lobby and office plants this week.

Chief planners of today's Work-A-Thon upon restudying what needs to be done feel they may well need help in the afternoon as well. Sign up. Failing that, present yourself at work site ready to help.

Congratulations to Marikis Alvarez and his wife. Their daughter Marcia Nadine was born on May 18.

## Visitor this Week

This week the department is sponsoring the Kermit Olson Memorial Lecture which will be given on Tuesday evening, May 23 at 8:00 p.m. in the auditorium in McNeal Hall. Professor William Nelson, Jr., from the University of Illinois, Urbana-Champaign is the speaker. Professor Nelson will be here Monday through Wednesday and will also be giving a presentation at the Arboretum on Monday evening. Everyone is invited to both these events. William Nelson is a distinguished horticulturist and very interesting public speaker. The lecture is made possible by an endowment honoring the late Kermit Olson.

## Announcements

Today - the last day of the Hort Club Plant Sale at the St. Paul Student Center.

Happy Birthday Vicky Weise! Congratulations to Angie Klidzejs for winning 1st place in photography class in the art exhibit currently on view at the St. Paul Student Center

At the Arboretum ...

- Sunday, May 21, the Daffodil Society is having a show.
- Spring Plant Sale open to the public from 12 noon - 4 p.m., Sunday, May 21.
- Monday evening, May 22, 7:30 p.m. "Basics of Home Landscape Design" by Professor Nelson in the auditorium. No reservations required. Everyone is welcome.

## Lost, Misplaced, Not Yet Found Column

The department portable projection screen is missing. Please return so we can all use it.

The R. Widmer library shelf is short of the following numbers of HortSci: Vol 1, Nos 3 & 4, Vol 2 Nos 1, 2 & 3, Vol 4 No 2 Sec 2, Vol 6, No 3 Sec 2, Vol 8 No 1, Vol 9, No 5 and Hort Journal: Vol 98 No 6 and Vol 100 No 2 "All missing copies accepted with glee, no questions asked."

Have you signed up yet for the Walk-A-Tho Jog -A-Thon? Fifty percent of what you make goes to the Troy Currence Graduate Assistantship. See John Carter for details.

*Cooperation is doing with a smile what you have to do anyway.*



# TWIG-BENDER

Number 13, May 26, 1978 Department of Horticultural Science & Landscape Architecture

## This Week

- Monday, the 29th - have a safe and happy holiday
- Tuesday, the 30th - 6:30 p.m. Cruise Party, Lady of the Lake, boarding in Excelsior.
- Wednesday, the 31st - 4:00 p.m. 415 AldH Seminar by Michael Zins
- Wednesday, the 31st - 12:30 - 2:00 p.m. Integrated Prairie Network Workshop, Old Meats Pavilion
- Wednesday, the 31st - 7:30 p.m. Reception for department art show - Student Center
- Thursday, the 1st - Spring Quarter Commencement

## Lady of the Lake ..

Hurry! A few spots are left. See Avis and pay your \$3.00 if you haven't already signed up. The first 125 of us to act have reserved ourselves a place on the annual department boat cruise party. This year the location is Lake Minnetonka, The time Tuesday evening from 6:30 - 9:00 with music.

## The Still Lost Column

Help! Look around you and see if you can see the department projection screen. Once you've located it, rush it to the main office..

## Course Blue Books

The blue note books on file in the main office should contain the most current information on all courses offered in the department. These books are used continually in the main office to answer requests for information on courses. Please check to see that what we have is the most current for the courses you teach.

## Announcements

Congratulations to Virginia Dudzinski Lerch who passed her final oral for the M.S. degree on May 5. The title of her Plan B Paper is "Forcing Woody Plants."

Mrs. A. N. Wilcox has moved to 3220 Lake Johanna Blvd., St. Paul, MN 55112

Wednesday evening a room full of friends and colleagues gathered to honor Bob Nylund. Both he and his wife, Kay, were honored at the retirement dinner.

Gerald Harris is leaving the Hort Res. Ctr. where he has served as a Jr. Sci.

Now let's see what was that number? .. If you are not at all sure of your research grant number, please check with Pat (3-1029) before you use it for ordering.

A very big thank you to everyone who helped with the Hort Clean Up Day. Thanks to your effort Alderman Hall presents a much improved face (in both directions). Special thanks go to Drs. White, Mullin and Hard for their leadership in planning the event and obtaining the plant materials.

Congratulations to all graduating seniors in Landscape Architecture and Horticulture. Commencement is Thurs. evening, June 1. Best wishes for happiness and significant challenges to our students upon graduation. Remember to inform us about your immediate plans in terms of jobs or school.

\*\*\*\*\*

## GROWING

An Exhibition of works by students, staff and faculty from Landscape Architecture and Horticultural Science will be on view at the St. Paul Student Center Gallery from May 31st through June 29th, 1978. An opening reception will be held in the Student Center at 7:30 p.m. on Wed., May 31st Please come and join the festivities.

\*\*\*\*\*

# TWIG-BENDER

Number 14, June 2, 1978

Department of Horticultural Science and Landscape Architecture

This Week, June 5-11

Tuesday - 8:15-10:00 a.m. Room 398  
Consultative Committee

Wednesday - 7:30-9:00 p.m. the Court  
Architecture Building, Mpls  
Lecture by Philip H. Lewis, Jr.

On going - Department Art Show,  
student center

## Announcements

Steve Murray will be leaving the Twin Cities for milder (Zone 10!) climes. On July 31 he begins his duties as Manager of Containerized Nursery Stock at Ogelsby Nursery, Inc., Hollywood, Florida.

Please pick up your packages promptly in the main office. We are now storing them under the front counter. The pile of uncalled for items grows large and hazardous.

Congratulations to all those who walked, ran or crawled around an official 1/4 mile track for the Jog-a-thon. Those hardy individuals totaled 302 laps or 75 1/2 miles. Half of the money pledged to support each person will go to the Women's Athletic Department who organized the Jog-a-thon. The other half will be put into the Troy M. Currance Graduate Assistantship Fund.

Lost . . .

The carousel projector in Room 423. Any help on its whereabouts would be appreciated.

. . . And Found

silverware left on the boat ride on Tuesday evening. It is on the table in the coffee room.

miscellaneous xeroxed pages on plant hormones they are in Linda Olson's desk.

Welcome to David Koranski who arrived in St. Paul last week to join our faculty as the new assistant professor in floriculture. His office is 438 Alderman Hall. He and his wife, Joyce, are making their home in St. Paul.

\*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*

The amazing Hort Horrors finished spring season on a winning note, triumphing 24-11 in their final game. Are you interested in playing on the men's (Hortus Sportus) or co-rec (Hort Horrors) team for summer sessions? See Paul Read or Mike Dana. They're looking for players.

\*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*

## Landscape Architecture Lecture

Wednesday, the 7th, will be the final public lecture given by Professor Philip H. Lewis, Jr., who has been here as the Hill Visiting Professor in Landscape Architecture. Mr. Lewis is a Professor of Landscape Architecture and serves as Director of the Environmental Awareness Center at the University of Wisconsin. His topic Wednesday evening will be "The Upper Midwest Landscape: A Twin Cities Awareness Center."

\*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*

The clouds broke, the sun shone, and on Tuesday evening 125 of us enjoyed a fantastic assortment of pot luck dishes, amazing beverages in air pots and other containers while cruising the waters of Lake Minnetonka. Thanks to Avis Kunkel for organizing the boat ride.

\*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*

Help! One final cry for manpower to complete the improvements begun on Clean Up Day. Tomorrow, Saturday, June 3, 7:30 (that's right) a.m., join Drs. White and Ozbun to complete the juniper plantings and install drainage for the shrubbery bed. The more laborers, the shorter the time required to complete the task.

# TWIG-BENDER

NUMBER 15 JUNE 9, 1978

DEPARTMENT OF HORTICULTURAL SCIENCE & L.A.

## THIS WEEK

Tuesday, June 15, 1978

8:15 a.m. Room 394

Staff Meeting

## ANNOUNCEMENTS

Dr. Lars Christersson from the Department of Plant Physiology from Lund University in Lund, Sweden, has joined the Laboratory of Plant Hardiness for six weeks. His office is 280 Alderman, and he can be reached at 3-1024. He and his family will be living in Roseville throughout his stay.

\*\*\*\*\*

David Koranski's phone number is 3-1054.

\*\*\*\*\*

Dr. Kåre Rapp and his family have returned to Tromso, Norway, after his visit this year in the department.

\*\*\*\*\*

Pat Pierquet has begun his duties as a Research Fellow at the Research Center.

\*\*\*\*\*

BUCK PASSING USUALLY TURNS  
OUT TO BE A BOOMERANG

\*\*\*\*\*

\*\*\*\*\*

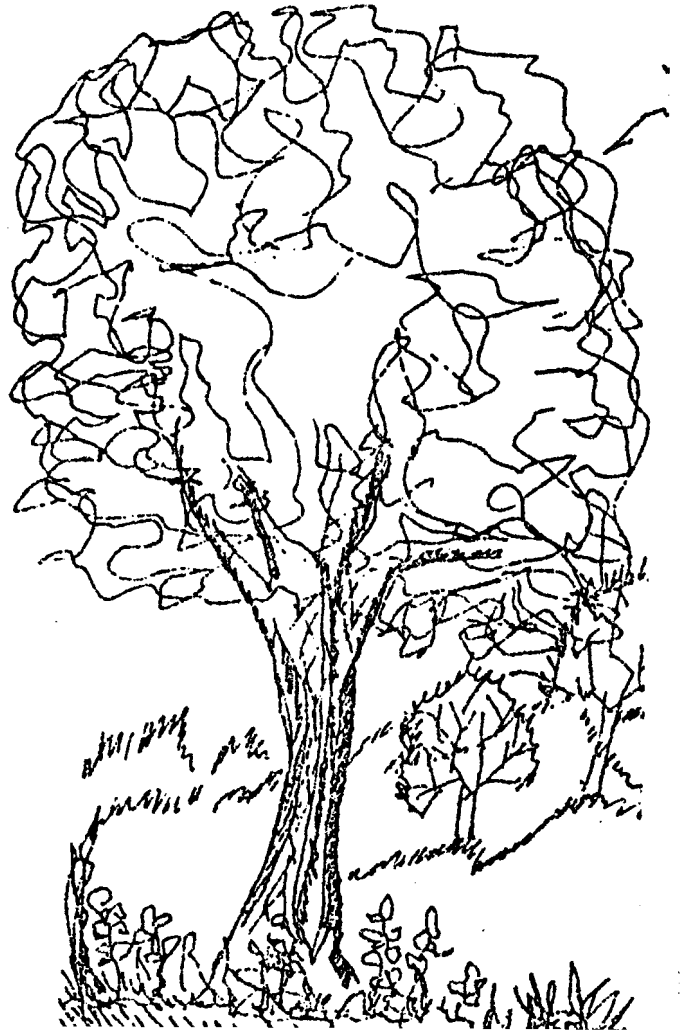
A special "thank you" to those who volunteered their time on Saturday, June 3, to finish the juniper plantings. Thanks, too, to Steve Murray who recorded the efforts of Clean Up Day.

\*\*\*\*\*

## Used Equipment

Two typewriter tables are available for use in the building. See Linda Olson if you want one.

\*\*\*\*\*



# TWIG-BENDER

NUMBER 16 JUNE 15, 1978

DEPARTMENT OF HORTICULTURAL SCIENCE & L.A.

## Lost ...

H. Wilkins and R. Widmer are looking for back issues of the State Florist's Bulletin. All staff & students who may have any of these copies on loan are asked to return them.

June 5, 70,000 ohms, week of  
June 12, 84,000 ohms. Dir.  
of Dist. H<sub>2</sub>O.

D. Olson

## Departmental Vehicles, A Modest Proposal

Our current well conceived, humane, minimally bureaucratic system did not work yesterday. If you follow a few simple steps, it should work well for all of us. Please try!

1. When you sign out, indicate the hours you need the vehicle and abide by the limits you have set.
2. Take the vehicle you signed up for, not another.
3. If you cannot get back in time, call the office before the deadline so the next person using the car knows what is happening.
4. Return the keys at the end of your trip.

Congratulations to Mr. H. H. Chen who passed his M.S. oral examination today.

## Announcements

Mr. John Lange will be interviewing this week for the Hort Res. Ctr./Arboretum coordinator position. He will be at the Arboretum and Research Center on Monday and the St. Paul campus on Tuesday. Anyone wishing to visit with him on Tuesday should sign up on the schedule in 305 AldH.

At the Arboretum... The Late Iris Show June 24 & 25, open to the public.

Dave Olson will be on vacation for one week. He will return 6/26/78.

Dr. Dave Holm sends news from San Luis Valley Agricultural Res. Ctr. He and his wife, Vonda, announce the birth on June 10 of a son, Cameron Arthur.

## Congratulations ...

to Harold Wilkins who has been named recipient of this year's Alex Laurie Award in Floriculture, Ornamental and Landscape Horticulture. This award, given by ASHS was for ..... "The effects of bulb vernalization and shoot photoperiod treatments on growth and flowering of Lilium longiflorum Thunb. cv. Nellie White" which he co-authored with Professor Seung Moon Roh of Yeungnam University, Daegu, Korea.

The monthly St. Paul Campus Civil Service Luncheon was held in the department yesterday. Over 100 people came and enjoyed box lunches and a tour through our greenhouse. Special thanks to Avis Kunkel who organized the event, the greenhouse crew who prepared for the guests, John Preece and Steve Garton who led the tours and Harold Wilkins who helped us arrange for the use of Alstroemeria bouquets as prizes to our guests.

Distilled Water Update We continue to have difficulties with the still. However, we are producing water today with a conductivity of 84 kilo-ohms. Progress to date: usual building tap water 150,000 ohms, week of

# TWIG-BENDER

VOLUME 1 Number 16

June 23, 1978

DEPARTMENT OF HORTICULTURAL SCIENCE & L.A.

## Found at Last . . .

The department portable projection screen. Thank you, returner.

## Announcements . . .

Don White has been elected Chairman-Elect of Division C-5 by members of the Crop Science Society of America.

Congratulations to Royal Heins who passed his final PhD exam on Wednesday, the 21st.

Dr. Volkert Sjut from the University of Hohenheim, W. Germany, is visiting in Dr. Brenner's lab for 2 months. Dr. Sjut's interest is in tomatoes, specifically in the effect of endogenous hormones on their growth.

Mr. Craig Ensfield will be in town on Thursday, June 29 to interview for the coordinator position at the Hort-Research Center and Arboretum.

Barbara Carel has joined the Department as an Assistant Scientist working for Dr. Brenner.

New phone books have arrived. Bring your old ones to the Main Office and we'll exchange for new ones.

Mark Brenner has been invited to give a paper on Wednesday, the 28th, at a symposium jointly sponsored by the American Society of Plant Physiology and the Plant Growth Regulator Working Group at Virginia Polytechnic Institute.

## At the Arboretum. . .

Shirley Munson is teaching a class "Freezing Garden Produce," on Wednesday, the 28th.

Produce . . . Our department will be sponsoring a supper for St. Paul Campus Secretaries on Sept. 7 at the Arboretum. Those expecting to have a surplus of harvested items, please keep u in mind.

Reminder AHSB bound: get your travel authorizations in as soon as possible!

## New Feature

Today is the maiden voyage of *Out to Lunch (OTL)*, a sometimes regular feature in Friday's fantastic flier, the *Twig Bender*. As a bit of introduction, OTL is a pragmatic and entertaining review of the lunch spots in the St. Paul campus area. The review committee has a core of three highly qualified epicurean experts; namely, Jim (Mr. Good Manners) Henrich, Dick (Chow Time) Rideout, and Bill (Scarf City) Stuart. On occasion others may participate.

Restaurants will be described in regard to food, service, price range and decor and will be rated on food quality and quantity, service and total time required for the meal (including travel time).

If there are any suggestions of places you wish reviewed or other aspects of the restaurant you wish to know about (please specify), drop us a line at OTL care of Dick Rideout.

RBR

## Out to Lunch

### The Flameburger

1533 West Larpenteur

Type of Food: burgers, chicken, steak  
(also breakfast)

Type of Service: sit-down, fast and friendly,  
no waiting

Price Range: \$1.40-\$5.45 average \$3.00

Decor: late formica, early plastiform,  
clean and pleasant

Time for Meal: 45 minutes (includes travel)

The Flameburger is a greasy spoon *par excellence*. We sampled the Flameburger special (w/fries), the California Flameburger, onion rings and the Flameburger platter which included toast, hash browns and cole slaw. All the items were excellent and in generous quantity. In fact, the Flameburger platter was more than the ample appetite of Mr. Stuart could handle. A bargain at \$3.35. Two think slices of fresh tomato and copious quantities of fresh lettuce and mayo adorned the California flameburger. The onion rings were described as "Tempura auality" and "highly battered, delicately flavored."

The Flameburger is truly a delightful display of delectable dining.

RBR

# TWIG-BENDER

No. 5 April 28, 1978

VOLUME 1

Number 17

June 30, 1978

DEPARTMENT OF HORTICULTURAL SCIENCE & L.A.

## This Week -

July 4 -- HAPPY FOURTH!

July 6 -- Field Day at Becker  
Experiment Station

## Announcements

Royal Heins has accepted a position as Assistant Professor, Michigan State University, East Lansing. He will have both teaching and research responsibilities.

\* \* \* \* \*

On Monday, July 10, Martha Cooper will begin her duties as the new Secretary in the Extension Office with Laura. Cindy will be leaving to begin a new career in retail management.

\* \* \* \* \*

Peter Olin is spending a month teaching a special design studio at the University of Wisconsin, Madison. The studio will focus on a study of an inner city neighborhood of Milwaukee. The course is part of a summer program in the Landscape Architecture Department.

\* \* \* \* \*

NOTE: July 3 is not a University Holiday.

\* \* \* \* \*

Richard Forsyth has been selected as one of several featured artists invited to participate in a special fund-raising art exhibition for the St. Paul office of Goodwill Industries, July 25-27, at the Goodwill Center on Como Avenue.

\* \* \* \* \*

Today is Mary Badow's last day in the main office....until September 1 when she will return. We'll look forward to her coming back.

\* \* \* \* \*

OTL is omitted this week for lack of space. However, we bring you the following.

NEWS FLASH! Donatelle's on Cleveland is changing ownership July 1, no longer to be a quick and tasty pizza shop.

Dick Widmer and Harold Wilkins are preparing chapters for a new book, Commercial Flower Culture, edited by Roy Larson (M.S. 1957, adviser, Widmer). Dick's Chapter is on Cyclamen and Harold's on Lillies.

Three Landscape Architecture students have received a \$3,000 grant from the American Society of Landscape Architects Foundation for a proposal to do a study on "Wildlife in the City." The students are Craig Churchward, Doug Benson, and John Larson.

\* \* \* \* \*

Today, June 30, the 1977-78 books closed on GAR state research funds. 1978-79 allocations on those funds are now in effect.

\* \* \* \* \*

Graduate students: Please make sure that at the end of your program you give your thesis title, your picture and your future address, along with your keys, to Avis.

\* \* \* \* \*

## MISSING ORDER . . . .

*Dr. Pellett ordered and order was received here in the department, the following items: 2 forceps (dissecting curve), 1 forceps (dissecting fine), 4 needle holders, 2 E needles, 1 doz. C needles (obtuse bent). Order was shipped by Chem Stores (Sargent Welch) but was never received by Dr. Pellett. Please check to see if you've picked up this box by mistake. Notify Dr. Pellett.*

\* \* \* \* \*

## Wizard of the Water Weekly Sooth Report . . .

Resistivity Readings of the clear fluid sometimes generated on the 5th floor:

Week of June 5	70,000 $\Omega$
Week of June 12	84,000 $\Omega$
Week of June 19	Wiz on Vacation
Week of June 26	150,000 $\Omega$

Yours in frustration, D. Olson, Chief Wizard for Dept. of Alchemy and Metaphysics

# TWIG-BENDER

VOLUME 1, Number 18

July 7, 1978

DEPARTMENT OF HORTICULTURAL SCIENCE & L.A.

## STAFF MEETINGS 1978-79

Please note department staff meetings, 8:15 - 10:00 a.m., the second Tuesday of every month.

Extension Staff Meeting - immediately following. This schedule will not vary by quarter.

SEMINAR - Tuesday, July 11, 3:00 p.m., 415 Alderman.

"Frost Hardiness Investigations in Sweden"  
Dr. Lars Christersson, Dept. of Plant Physiology, University of Lund, Sweden.

\*\*\*\*\*

Please remember to respond to the memo requesting donations to the Hort Benefit Fund.

\*\*\*\*\*

ASHS travelers. If you haven't filed a travel authorization yet, DO IT NOW!

\*\*\*\*\*

CONGRATULATIONS!  
HORT HORRORS - the team "functioning like a well oiled machine" won their game on Wednesday, July 5. The score: 14-8.

\*\*\*\*\*

HELP! Bert Swanson (our new faculty member) needs students to unload furniture today and tomorrow. Please contact the main office if you are available to help. We will give you more details on where and when.

\*\*\*\*\*

Distilled Water Update 7/7:  
Resistivity 73,000 ohms

\*\*\*\*\*

Harold Pellett has been asked to write a chapter on "Effect of Nutritional Factors on Cold Hardiness of Plants" for the Handbook of Nutrition and Food.

ICE CREAM SOCIAL on Thursday, August 13, 1978, 2:30 - 3:00 (outside if nice) (394 if not). Please bring 25¢ for ice cream, berries, and other condiments. Going away party for Cindy Bemis.

\*\*\*\*\*

## CURRENT JOB OPENINGS

Dept. of Hort, U of Illinois, Asst. or Assoc. Prof. 60% Res., 40% Teaching vegetable crops

Florida Coop Ext. Service, U of Florida, Ext. Agent I - Citrus

Dept. of Fruit Crops, U of Florida, Chairperson (10 years exp. in hort or related areas)

USDA, SEA, FR, NER, Cornell University, Laboratory Director (nutrition res.)

Dept. of Agric. Econ. and Rural Soc., U of Arkansas, Agric. Statistician

Check Employment Opportunities book in main office or job board on Grad Student Bulletin Bd

\*\*\*\*\*

## Out to Lunch

China Restaurant

2811 Hamline Avenue/Hamline Shopping Center

Type of Food: chow mein, fried rice,

egg foo yong & much more

Type of Service: eat in (relatively slow) take out

Price Range: \$1.75-\$5.00 average \$3.00

Decor: typical soy sauce, quite clean, relaxed

Time for Meal: 1 hour (includes travel)

Large proportions of food at a very reasonable price describes the quaint little China Restaurant. Three different combination plates were sampled, ranging from delectable sweet and sour pork to basidiomycete chow mein. Everything was hot! Watch out for the egg roll. A recent survey showed 2 of every 3 China Restaurant patrons burned their palates on egg rolls. Point of reference - Mr. Scarf City needed a doggy box. Simply take a giant appetite when you go to this fantastic wok exceptionale.

We are appropriating menus, when feasible, for an OTL file. Just another service to the harrie and hungry hort crowd.

# TWIG-BENDER

Vol. 1 #19 July 14, 1978 Department of Horticultural Science & Landscape Architecture

NOTE: Staff Meetings are second Tues. of each month September - June. There is no August staff meeting.

## Congratulations!

Terry Howe and Jacob Peretz passed their M.S. exams this week. Terry's thesis work was on "Effect of Ethylene on NAA Uptake and Conjugation in Soybean Leaf Tissue" and Jacob's thesis work was on "GA<sub>3</sub> Like Activity in Strawberry under a Winter and Summer Environment."

Maria Toivio became the wife of Henry Kinnucan on June 21, 1978. Best wishes to both of you, Maria and Henry.

A very nice "Pot Luck" luncheon was held in Dr. Stadelmann's office area on Thursday to bid Lars Christersson farewell. He will be leaving for a short visit to other parts of the U.S. before returning to Sweden.

Dr. Paul Li just returned from Warsaw, Poland, where he attended the 7th Triennial Potato Research Conference. He gave a seminar on potato frost resistance at the University of Warsaw and also a seminar at the Polish Academy of Agriculture in Poznan on water stress relative to cold hardiness in perennial plants.

## NOTICE

Faculty & Staff - Check your University I.D. If it has expired get an application for a new one in the main office.

Travelers - University of Minnesota Travel Regulations are available in main office -- included in these regulations is information on automobile travel-rental vehicles that you may not be aware of. Get a copy of regulations in main office or review the one you have before making a trip.

Movers - Dr. Bert Swanson has many nice boxes that he is willing to give up to a prospective mover. Please contact him immediately if you need them.

## THANKS

The Secs etc. would like to thank the Masqued Marauder for the delicious box of candy. Keep them coming!

## BEST WISHES!

Elmer Swenson is at home recuperating from his third operation. The department would like to send best wishes and wish him a speedy recovery.

## PROJECT USERS

Please check out a projector before taking it and return it when you are finished using it.

## CURRENT JOB OPENINGS

Extension Fruit Specialist - Ohio State University, Columbus, Ohio

Asst. County Agent - Agric. & Nat. Res. Tuscaloosa County, Tuscaloosa, Alabama.

Wildlife, Parks & Forestry Resource Staff Specialist - Pierre, SD

Faculty Position in ornamentals -- one in peach breeding and one in small fruits and 4-H - NC State University at Raleigh.

For more information, check job board or Employment Opportunities Book in main office.

## Update on Still Situation

The Physical Plant has checked with Amsco Company and are setting up a contract for service to hopefully begin in a couple of weeks.

An Ice Cream Social, to wish Cindy Bemis farewell, was held outside of Hort Bldg. on Thursday afternoon. Raspberries and various other toppings were used on the ice cream. Thanks to Dr. Read for donating the raspberries. The weather cooperated so nicely that another attempt for an ice cream social will be made later this summer.



# TWIG-BENDER

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Volume 1, Number 20 July 21, 1978 Department of Horticultural Science & L.A.

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Civil Service Personnel: Because our employment representative is not always easy to reach by phone, Personnel has installed an answering machine on 3-1694. When you are trying to get a specific job referral call this number. It is the quickest and surest way to assure your application getting to the person who has the job opening.

.....

Mr. John Lange has accepted the position of Coordinator at the Arboretum and Research Center. He will join the department by November but will be in town soon with his wife to investigate housing and school possibilities for their family.

A Remington typewriter has been moved to the calculating and typing room on the 2nd floor for the use of graduate students. Ribbons are available in the main office.

.....

Mark Brenner and John Carter co-authored a chapter to be published in the Encyclopedia of Plant Physiology, New Series. The title is "Plant growth regulators and low temperature stress."

.....

Suggestion to authors of manuscripts: When you submit the first draft to your secretary and you know what journal you are submitting to, tell your secretary the name of the journal. Sometimes dealing with particular format needs at the beginning of the revision process saves clerical work later on.

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## CURRENT JOB OPENINGS

California Polytechnic State University -- Assistant Professor in Ornamental Horticulture .

University of Florida, Agricultural Research Center, Fort Lauderdale, Florida -- Assistant Professor, Research Ornamental Horticulturist in Tropical Ornamentals .

Ferris State College, Department of Biological Sciences, Big Rapids, Michigan -- Horticulture Teacher.

University of Maryland, Institute of Applied Agriculture, College Park, Maryland -- Instructor, Ornamental Horticulture .

University of Minnesota, University Without Walls Program -- Teaching Specialist, 75% and 100% time.

Hawaiian Sugar Planters' Association, Crop Science Department, Aiea, Hawaii -- Assistant Crop Physiologist .

University of New Hampshire, Department of Plant Science, Durham, New Hampshire -- Assistant Professor/Extension Turfgrass Specialist.

The Pennsylvania State University, Horticulture Department, University Park, Pennsylvania -- Assistant/Associate Professor of Horticulture Extension, Small Fruits and Home Gardens.

# TWIG-BENDER

Vol. 1, No. 21 - July 28, 1978  
Dept. Horticultural Science & L. A.

## CIVIL SERVICE COMPENSATION SYSTEM 1978-79

The system of performance evaluation and consequent changes in pay has been changed as of July 1st. The change is due to the University's moving to a single January 1st anniversary (evaluation time) date for all Civil Service employees.

During this first year of changing to the single anniversary date, sums called equity payments will automatically be paid to those employees of a year's tenure or more who have anniversary dates falling between July 1 through December 16. The amounts of money are standard and are prorated to compensate you for having to wait longer than 12 months for a review and possible increase in salary.

Those employees with anniversary dates between January 1 through June 16 will be evaluated and have their salaries adjusted for January 1979. The actual evaluation process for all affected employees will actually take place in the fall beginning as early as September since so many people will be involved. Newly hired or promoted employees will be affected differently, and at this date we don't know how this will be handled. Stay tuned for more information.

Employees represented by the union will not be affected at all by the change in the Civil Service system.

\* \* \*

ASHS quote of the week:

"What banquet?" - L. B. H.

Ted Tonkinson has accepted a position with Control Data working on a program of urban horticulture. His address there is:

HQNO7U, Control Data Corp.  
8100 - 34th Avenue South  
Bloomington, MN 55440

Congratulations to Avis Kunkel who has accepted the position of Executive Secretary in Agronomy. She will be leaving us in late August.

Best wishes for a speedy recovery to Francis deVos who is in Waconia hospital recuperating from surgery.

Congratulations to Bruce Garley who won the John Bregger Essay Contest sponsored by the American Pomological Society. His winning entry was "Ah-oon-ye-ya-pa, the Sand Cherry, Its Origin, Improvement and Nomenclature."

\* \* \*

## CLINIC QUESTION OF THE WEEK:

Question: "How can you change the sex of a large cottonwood tree from female to male? I'm sure they're working on it in Colorado."

Clinic Comment: "What are the moral implications of such a procedure, given the current moral climate regarding sexual preference in St. Paul? Colorado obviously does not have a Rev. Angwin."

\* \* \*

New announcements have been received for available academic positions. Check the bulletin boards and the job book in the main office.

- \* Univ. Neb. (Lincoln) - Res. Technologist
- \* Ft. Valley St. Coll. (Ft. Valley, GA) - Asst. or Assoc. Prof./Horticulture
- \* Agency International Development (overseas) - Several Positions
- \* Univ. Georgia - Ext. Flor.
- \* S. D. State - Flor. Teaching & Research
- \* Alfred N. Y. School of Agr. Tech. - Teaching Hort. (Flor.)/MS or Higher
- \* Univ. Neb. (Lincoln) - ½ Time Grad. Asst.

\* \* \*

Welcome back to all those who traveled to Boston for ASHS meetings.

# TWIG-BENDER

Volume 1, No. 22, August 4, 1978 Department of Horticultural Science & L.A.

CONGRATULATIONS to faculty in the department whose grant proposals to USDA/SEA have been funded. The department submitted 7 proposals to the new Competitive Grants Program. To date 3 proposals have been funded.

- Peter Ascher \$40,000 for 3 years "The use of tissue culture to generate plants from sterile hybrids."
- John Carter \$40,000 for 2 years "Response of photosynthetic capacity to changes in environmental conditions as manifested by effect on Ribulose-1,5-Biophosphate Carboxylase - Oxygenase to temperature change."
- Mark Brenner (with W. Brun in Agronomy) \$50,000 for 2 years "Hormonal control of source/sink effects in photosynthesis."

Update Francis deVos has left the Waconia hospital and is continuing his recuperation at home following his recent surgery.

Can you keep a semi secret? The unlisted number of the Hort Research Center is 474-6886. This is the number at which you can reach Pat Pierquet.

Graduate Materials Anyone dealing with graduate student materials - please return them to Avis. Dr. Ozbun is dealing with new graduate students and has assumed his duties as the new Director of Graduate Studies.

New folks .... When you are expecting a new person such as a graduate student or visiting academic, please tell Linda so she has an idea of what Alderman spaces are needed, when.

International Hort Meetings Dr. Ozbun leaves this afternoon to attend the international meetings in Australia. He will be back on August 29. In his absence Dr. Nylund will serve as Acting Department Head.

Prairie Workshop ... Reservations are now being accepted for the Minnesota Prairie Management, Research & Restoration Tour sponsored by the Arboretum. The tour will be August 24 & 25. Brochures are in the main office in Alderman as well as at the Arboretum.

There are extra copies of the alumni newsletter in the main office. Please help yourself. If there is a particular person you feel should be mailed a copy, give the name and address to Avis.

OTL - Panhandle, 1125 W. Larpenteur, Roseville, Food - Pan and Flat Crust Pizza, Salads, Sandwiches. Service - Friendly though a bit slow (Take out available). Price Range - \$ .95 burger, \$7.80 pizza, average price \$2.50. Decor, mid to late 19th century pictures tastefully decorate this rustic eatery. Meal time (including travel) less than 1 hour. As with any new restaurant, there are a few bugs to be worked out (the chef's gotta stop dropping those pizzas) but on the whole the Panhandle was a pleasant experience. Sharon and I shared a taco pizza which was amply covered with fresh lettuce, tomatoes and cheese. You taco lovers shouldn't miss this one! Cat's hot dago sandwich was hot and mildly spicy and Chow Time had to try a Beverly Sandwich, which is a warm sliced ham and turkey with melted cheddar cheese which he admitted was pretty darn good. If you've heard that they also serve Black Russians and you're feeling cannibalistic or just like liquid lunch, you have the wrong ideas. Chao, Scarf City.

## Current Job Openings

- Assistant County Agent - Agriculture and Natural Resources, Dale County Ozark, Alabama
- Extension Fruit Specialist - The Ohio State University, Columbus OH
- Research Horticulturist - Kitchawan Research Station of the Brooklyn Botanic Garden, Ossining, New York
- Assistant Professor of Plant & Soil Chemistry, University of Maine at Orono.
- Graduate Assistantship - University of Florida, Gainesville, FL

# TWIG-BENDER

Volume 1, No. 23, August 11, 1978 Department of Horticultural Science & L.A.

## Twig Bender Readers

Is there something you wish would appear on this informative green page? Let us know! Give your information to Avis or Linda.

### Reminder - Vegies

On September 7, our department is hosting a picnic at the Arboretum for Civil Servants and Department Heads. We will need vegetables such as tomatoes, peppers, cucumbers, corn for that evening. If you think your gardens will be yielding surplus at that time, let Vickie know.

Welcome back to Dr. Stadelmann who will be here for a month before returning to Korea for another 6 mos.

Civil Service Employees -- An open meeting September 6 at 11:30 a.m. B45 Classroom Office Building - The Civil Service Committee hearings on Civil Service Rule Changes.

### Equipment ...

During the past year we have purchased many carousel slide trays and are happy they are being used. However, if you have one which you no longer need, please return it to the work room in the main office. It would help our budget and ability to keep the equipment we need if you would return trays for general use when you no longer need them.

Graduate Students .. Registration center is no longer in Morrill Hall but in room 202 Fraser.

### Teachers and Researchers ...

If you anticipate needing work study students for the fall quarter, let Pat know your requirements. The word from Student Employment is that approximately September 1 is the time to put in our requests.

### "Note Bene--Attencion-- I Say, Look Here"

From now on notices of significance, questions requiring prompt response, announcements of general importance will be duplicated on yellow paper. Therefore, when picking up your mail attend to those yellow papers. We hope this will be helpful to both receiver and sender.

Anyone interested in 285 volumes of "Flower Grower" (1940-67) at a price of \$45.00, should contact Mrs. Holmgren (922-3688).

Attention Civil Service Employees: You may have recently heard that the State of Minnesota has been considering going on "Flexi-time". The University has traditionally adopted State policies and is also considering a change of this nature. Flexi-time basically consists of a core period (from 10:00 to 3:00) during which employees must be at their jobs. The remaining hours are arranged to add up to 40 and are dependent upon departmental consent. Such a policy would, in some cases, enable spouses to have more compatible schedules. Flexi-time has been used by companies such as Control Data and has improved employee productivity and morale; of course, problems that are not presently apparent might also arise. Your feedback is essential to this issue so that a letter may be drafted by the College of Agriculture Civil Service Advisory Council and sent to Dean Tammen. Please submit your comments to Angie by Friday, August 18th.

Congratulations to the Hort Horrors on a successful season. Four wins and 5 losses. They went down in defeat at their last game (11-7) but were short 2 people so felt rather good about the score anyway. The game prior to that was won by the Hort Horrors in the bottom of the last inning.

# TWIG-BENDER

Volume 1, No. 24, August 18, 1978 Department of Horticultural Science & L.A.

## Travelers

Pictures and letters received in the department indicate Harold Wilkins and Merv Eisel are alive and well in Russia. The most popular tree in Novrosbirsk is American Maple. Though many of the amenities of home are available, there seems to be no peanut butter.

## Congratulations

To Vicky Weise who is the new Principal Secretary replacing Avis.

## Thanks

To the Greenhouse crew for the corn-feed. The eating records set by various individuals (who shall remain anonymous) were quite astounding.

---

Next week there will be two Civil Service vacancies posted in the University Pers. Office; Sr. Secretary and Sr. Laboratory Technician. Call 3-1694 if you wish to be referred for other positions.

---

Departmental Theses are now stored in the cupboard across from Avis' desk rather than in Dr. Ozbun's office. We did this in order to make the theses more accessible to you.

---

Bill Stuart, Sr. Lab Tech with Peter Ascher, has accepted a technician post with Honeywell.

## Reminder

Don't forget the pot luck luncheon for Avis on Friday the 25th.

PLEASE ..... Keys!

As in car; they must be returned to the main office. We go to departmental bicycles next.

## OTL

Spallacci's Spaghetti House  
1437 N. Cleveland, St. Paul

Food - Pizza, spaghetti and other pasta, sandwiches, beverages including beer and homemade lemonade (among others) Service - slightly disorganized, but good; space is limited, but there is outside service at picnic tables (with umbrellas) on nice days.

Price range: \$.95 - \$6.75 avg.; \$3.00

Time for meal: 1 hour more or less (pizza takes 20 minutes at least, "Dunkers" are ready instantly).

Spallacci's has been sampled twice now. Once when it first opened and again a month later. In that time the quality has been maintained and the service improved. Many things have been sampled, all with good reports. "The Dunker" (Italian bread, melted cheese, sauce) at \$.95 is the bargain and the lemonade is excellent. The Italian bread is especially made for Spallacci's and is topnotch. Ms. Litzow (the Scarf City Challenger) made it through a Pizza burger with flying colors which just goes to show you're never too old!

Chiao

RBR

P.S. Memo on file.

## Congratulations

To Will Healy and Louise Pajerski who will be married on Saturday, August 19, 1978. Best wishes for a happy life together.

# TWIG-BENDER

Volume 1, No. 25, August 25, 1978 Department of Horticultural Science & L7

Thanks ..

To Dan Goldman, Butch Peterson, Wayne Brown, Dick Rideout and Dave Olson for helping move all those books for Luther Waters last Friday.

-----  
Faculty ..

Mark your calendars now. Reserve Thursday morning 9-12, September 21. During that time new graduate students will have the chance to tour labs and offices and find you there. This is part of the orientation program for new graduate students. More details later. For now, plan to be available on September 21, 9-12.

-----  
Attention apple lovers ..

The apple house at the Arboretum is open from 9:30 - 6:00. Please check before coming out to pick up apples as they sometimes run out. Beacon, State Fair and a numbered variety are available at the present time.

-----  
Welcome back ..

Dr. DeVos has returned to work and needless to say everyone is happy to see him.

-----  
Congratulations to ..

Dr. Keith Wharton who has advanced to the position of Assistant Dean of the College of Agriculture effective July 1, 1978. Dr. Wharton has served the College of Agriculture over the past eight years as Coordinator of Educational Development.

State Fair information ..

All the entrances to the St. Paul Campus will be closed between the hours of 5:30 p.m. and 7:00 a.m. except the entrance on Boyd Avenue from Commonwealth Avenue. There will be a police officer at this entrance evenings and weekends. Please show your staff card when entering during these times. During a normal work day of 7:00 a.m. to 5:00 p.m. all the entrances will be opened for use.

Several of our faculty members are involved in one way or another with the fair -- judging, exhibits, etc. If you get a chance check the exhibits out.

-----  
Thanks ..

To everyone who took me (Avis) out to lunch last Friday. Needless to say, I enjoyed myself.

-----  
Faculty, Staff & Students ..

Pat Hencir will be on vacation next week and Avis will no longer be here so, as a consequence, Vicky will have a more than full load. Please be patient if your work is not completed as quickly as normal. A requisition is in for someone to fill the position that Vicky vacated when she accepted the Principal Secretary position, but as you know, these things take time.

-----  
Lost ...

A GE light meter for measuring light intensities in growth chambers etc. Please contact Dr. Stadleman's lab if you find it.

# TWIG-BENDER Vol 1, No 26, Sept. 1 1978

Congratulations - to Mark Brenner who has received \$86,000 for 3 years supporting his project "Analysis of apical dominance in relation to endogenous hormones and their transport."

+++ +++ +++ +++ +++ +++ +++

Word was received last week of Professor J.D. Winter's death. Formerly of this department, he pioneered early work in the freezing of horticultural crops and established the sensory evaluation lab. We have received a letter from Mrs. Winter thanking the department for the flowers we sent. She also expressed her gratitude to all those who were able to be present at the funeral.

+++ +++ +++ +++ +++ +++ +++

A visitor, George Markham, is leaving to return to Carleton University, Ottawa, Ontario, where he is a graduate student. George has been here for 2 weeks to learn high pressure liquid chromatography technique in Mark Brenner's lab.

+++ +++ +++ +++ +++ +++ +++

## Room Scheduling

Please note -- 2 rooms have been added to the sign up system in the main office. The rooms, 152 Alderman Hall and 172-174 Greenhouse classrooms. The procedure will be the same as for rooms 394 and 398 -- enter your name on the date and times you need the room.

## Job Notice

Assistant Director, Cornell Plantations, Cornell University, Ithaca. MS in horticulture or equivalent experience, available immediately, minimum salary \$14,210 -- a non-academic professional appointment.

## Phones

Long distance charges on faculty phones are now being charged directly to project budgets. Rental charges are still assumed by the department. This is a good time to remind you that these long distance charges cannot include personal phone calls. It is illegal for us to accept reimbursement for these calls. Thanks for your cooperation.

Thanks to Bob Nylund for his very complete job of submitting department news to Hort-Science.

## Faculty

As noted last week, please reserve the morning of Thursday, September 21 as a time to be available in a specific place to meet with new graduate students. Please let Linda Olson know by September 8 if you will be in your office, your lab or the greenhouse during that time.

+++ +++ +++ +++ +++ +++ +++

Please watch your mail for information on an exciting new concept in display case art. Angie has agreed to act as consultant to the display case committee in putting together a small showing of Hort. Department kitsch and found objects. Everyone will be asked to lend a treasure from their desk or office. The results should prove spectacular! Thanks - Deb.

+++ +++ +++ +++ +++ +++ +++

Welcome back to Mary Bandow. Today is her first day back after a summer break.

+++ +++ +++ +++ +++ +++ +++

Thanks to everyone whose good company and good food helped make Avis' party a success.

+++ +++ +++ +++ +++ +++ +++

Help! Help!

Our department is sponsoring a picnic at the Arboretum for Institute secretarial staff. We had hoped to feed them with spectacular horticultural crops. Where are the veggies? Please see Vicky and let her know what you will be able to contribute.

+++ +++ +++ +++ +++ +++ +++

## Out-to-Lunch

The Best Steak House  
1746 Lexington Avenue North

If you want fast food but are tired of the burger and fries routine, try the Best Steak House. This cafeteria-style restaurant serves up steaks and burgers that are both fast and inexpensive. The daily lunch special consists of a sandwich steak, salad baked potato and "Texas toast" for \$1.19. The line gets a bit long but moves quickly. Lunch can take as little as 30 minutes. The food is good and a pleasant change from Mac's.

# TWIG-BENDER

Volume 1, No. 27, September 8, 1978

Department of Horticultural Science & Land. Arch.

## THIS WEEK

Monday 9/11 - 8:00 a.m. 398 AldH  
Consultative Committee

Tuesday 9/12 - 8:15 a.m., 394 AldH  
Department Staff Meeting

Tuesday 9/12 - 10:00 a.m., 394 AldH  
Extension Staff Meeting

(Extension staff - note change in time)

\*\*\*\*\*

## TRAVEL

Please note! We have received notice from the Institute that from now on no travel authorizations will be approved for someone who has already left on a travel assignment. Forms must be completed prior to your trip. All travel related to University duties must be covered by an authorization even if no University funds are being used.

\*\*\*\*\*

## CONGRATULATIONS . . .

to Angie Klidzejs who has been promoted to the Senior Secretary in the main office. She will be assisting Pat Hencir with department accounts as well as acting as secretary for her faculty members. Carol Freppert will be taking on new responsibilities by becoming the Wang expert. She will continue to assist with the phones until we are able to hire a new receptionist.

\*\*\*\*\*

## THANKS . . .

to everyone who played a part in making last night's picnic a success. Whether you contributed produce or labor, it was greatly appreciated. Our guests seemed pleased.

\*\*\*\*\*

REMINDER - Tuesday is VOTING day. Don't forget to get to the polls.

\*\*\*\*\*

## NOTICE FROM PARKING SERVICE

As you are probably aware there has been some recent changes in the parking areas on the St. Paul campus. Contract Lot #161 and Time Rate Lot #103 located south of the library have been vacated for construction of the Learning Resources Center. This results in a loss of 6 contract spaces and 53 time rate spaces. Because of the necessity of providing short term parking for visitors, reciprocal parking for Mpls. contract holders, and space for short term reservations we have converted Lot #102 to a time rate facility.

A new lot has been constructed east of the Earl Brown Center. This lot has a capacity of 238 cars and will be used for reservations for the Earl Brown Center activities and for open parking on a daily rate. In addition to this we have enlarged the Fairgrounds Lot by approximately 450 spaces.

\*\*\*\*\*

kitsch (kich) n. 1. Pretentious bad taste, especially in the arts. 2. Examples or an example of kitsch. (German, from *kitschen*, to put together (a work of art) sloppily.)

Please get your entries in to Deb or Angie as soon as possible. The show is going up Monday!

\*\*\*\*\*

## HORT CLINIC QUESTION OF THE WEEK

Q: Have you noticed an unusual number of dead squirrels lying around lately?

A: Come to think of it, we have . . . any ideas?

\*\*\*\*\*



# TWIG-BENDER

VOLUME 1 No. 28 September 15, 1978

Department of Hort. Science and L.A.

## THIS WEEK

Thursday: 8:30 a.m. - 12 noon  
New Graduate Student  
Orientation

8:30 310 Alderman Hall  
Remarks by Dr. Ozburn

9-12 Faculty available  
to meet with new  
students in offices  
and laboratories

## Civil Service News

As you know, the system of payment for performance does not always remain the same from year to year. This year is no exception. Certain employees will be eligible for salary adjustments beginning January 1, 1979. Those employees must both have been on the payroll for 2,088 hours or one year and must have been in their present job classification for more than six months. The University intends that all employees will eventually have January 1 salary adjustment dates; therefore the evaluation process that precedes your salary adjustment must begin long before January 1, i.e. now. If you qualify for an adjustment January 1 you will shortly be hearing from your supervisor about having a performance evaluation conference. The January 1 salary adjustment will be a cents-per-hour increase on your base salary, not a lump sum payment like last year. Due to severely restricted legislative funds to support salary adjustments, there are limits on how much of an increase can be granted. In each department, for example, the average increase for all C schedule employees cannot exceed 4.5%; the average for A schedule employees, 5%.

## A Reminder . . .

Faculty -- please give the names of the presidents of the industry groups you now work with and others you feel will be interested in UMH to Linda today or Monday. The UMH meeting is set for Thursday, October 26.

\*\*\*\*\*

## Congratulations . . .

to Morrie Smithberg, Margaret's husband. He is now at home following successful coronary surgery.

\*\*\*\*\*

Two caterpillars were crawling across the grass when a butterfly flew over them. They looked up, and one nudged the other and said, "You couldn't get me up in one of those things for a million dollars!"

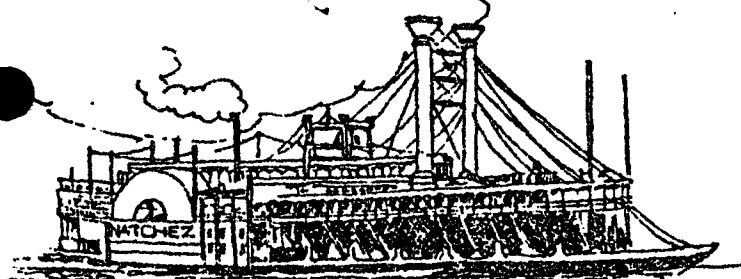
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!!!!!!SOCCER!!!!!!

HORT CO-REC SOCCER TEAM!!!!!!

Are you interested? NO experience necessary. Training will be given. Sign up at any of 3 convenient locations 1) between grad student mail boxes and the coffee room 2) main lobby bulletin board and 3) first floor near the elevator.



# TWIG-BENDER

Volume 1, No. 29

September 29, 1978

Department of Hort. Science and L.A.

## THIS WEEK October 2 - 7

- Monday - 7 p.m. Refuge  
Monday night discussion  
Prelim Exam
- Tuesday - Noon, 394 Alderman  
NOTE ROOM CHANGE  
Hardiness Discussions  
Brown bag lunch; everyone  
welcome
- Wednesday - 4 p.m. 415 Alderman  
Seminar - Speaker: Dr. Gene  
Pilgram, Program Director,  
Extension
- Saturday - Harvest Bowl, College of  
Agriculture

## MARK YOUR CALENDARS!

Everyone note: December 9, a SATURDAY, has been set for the department Christmas party at the Arboretum.

\*\*\*\*\*

## Apple Pickers!

Starting tomorrow, apples will be picked on Saturdays as well as weekdays. More pickers are needed. If you're interested in part-time work, see Dick Towner or Darlene Ulrich.

\*\*\*\*\*

## CONSOLIDATED FUND DRIVE

The consolidated Fund Drive for the St. Paul United Way is beginning on campus. You are all acquainted with the agencies the fund supports plus its assistance in our own student needs.

A solicitor will be visiting you shortly to request your assistance in this drive. It is hoped that we all will give as much as we can to make the drive reach its objectives. Margaret Smithberg has the responsibility for this department.

## PACKING AND DELIVERY SLIPS

For a short time last year we tried each investigator's keeping packing slips. For audit purposes we do need to keep them in the main office. They will still be put in your P.O. box to tell you goods have arrived. Then GIVE THEM TO ANGIE. Thanks.

\*\*\*\*\*

## ARBORETUM

Sunday, October 8, there is a lily bulb sale in the auditorium from 11 a.m.-4:30 p.m.

\*\*\*\*\*

## THE STILL

The infamous Alderman still has been repaired and is running. Amsco will come out next week to check the purity of the water. Any comments on the water now or desired level of distillation, please tell Linda.

\*\*\*\*\*

OTL is looking for a few good people! This is the start of another great OTL season but we have a problem. One of our epicurean experts, Bill (Scarf City) Stuart, has left us, so we are looking for someone to fill his shoes (or bib). If you would like to become a full-time member of OTL and indulge in the area's finest (and not so fine) noontime nourishment, then tell us in 25 words or less why you think you should be an OTL'er. Drop it in my mail box or stop in for a personal interview at the OTL office, 160 Alderman.

Ciao, RBR

\*\*\*\*\*

There is something in the Autumn that is native to my blood--  
Touch of manner, hint of mood;  
And my heart is like a rhyme,  
With the yellow and the purple and the crimson keeping time.

(from A Vagabond Song by Bliss Carman)

# TWIG-BENDER

Volume 1, No. 30

October 6, 1978

Department of Horticultural Science & L.A.

## THIS WEEK OCTOBER 9-15

Monday - Consultative Committee 8-10 a.m.  
398 Alderman  
Monday Night Discussion 7 p.m.  
Refuge; Presentation by Rita Hummel

Tuesday - Departmental Staff Meeting  
8:15-10 a.m. 398 Alderman  
Extension Staff Meeting  
10 a.m. 394 Alderman  
Plant Hardiness Discussions  
12 - 1 p.m. 394 Alderman

Wednesday - Seminar by John Malmberg,  
Extension; 4 p.m. 415 Alderman

## The Runner Beens

The astounding Hort Soccer Team plays its first game of the season Sunday, 1 p.m. West Bank field.

\*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*

## Statistics

The department has received a catalog of statistics courses offered in all departments on the Twin Cities campus. The catalog is available for your use in the main office. It is kept on the shelf that holds the room reservation calendars and car keys.

\*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*

There once was a man named Harold,  
who in coffee making was unparelled,  
The grounds you see,  
were found to be  
Essential for good coffee.

However, in the interest of energy,  
a filter was found to be unnecery,

He believed, you see,  
a new form of Hort-coffee,

Should be wood-free!

Anon.

## COME ONE, COME ALL!

The department potluck picnic and cider party is happening Sunday, October 29, at the Arboretum.

Where: the Ordway shelter (just below the perennial garden; inside in case of bad weather)

When: cider pressing begins at 10 a.m.; picnic from 1 p.m. on

What: eating, drinking cider, pumpkin carving, music (bring your instruments), games (bring your frisbies, etc.); costumes are encouraged -- (it's Halloween, almost)

Who: Faculty, staff, grads, undergrads, friends and families

Memo to follow regarding food, etc.

Sponsored by the social committee and Hort Club.

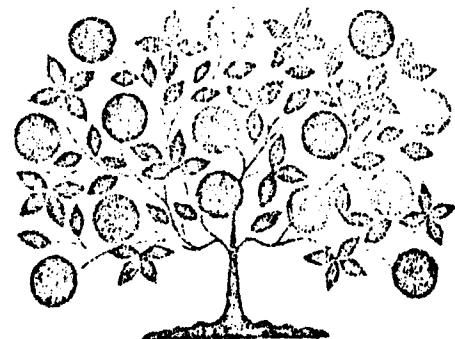
\*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*

## WANTED

We need three dozen plastic five quart ice cream pails. If you have any to donate, please inform Carol Carlson or Paul Read.

Thanks.

\*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*\*\*\*      \*\*



Hannah Cohoon: *The Tree of Life*, 1854, ink and water color, 18 1/2 x 22

# TWIG-BENDER

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VOLUME 1 Number 30 ADDENDUM

October 6, 1978

Dept. of Hort. Sci. & L.A.

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The Twig is Bent!

## THIS WEEK - CONTINUED

Friday - Hort Club Plant Sale  
9 a.m. - 3 p.m.  
North Star Ballroom

Sunday - Runner Beens, Soccer  
Game, 1 p.m.  
West Bank Field

## Plantings

You may have noticed ground being prepared behind our building for tree planting. A number of Lindens will be planted sometime before November 15. The department has had input on their placement through Don White, Jim Ozbun, Bob Mullin, and Mike Dana, through his staff role on the Landscape Advisory Committee.

# TWIG-BENDER

Vol. 1, No. 31, October 13, 1978

Department of Horticultural Science & L.A.

THIS WEEK Oct. 16-22

Monday the 16th - Monday evening discussion  
7:00 p.m., Refuge, Discussion of Prelim.

Wednesday the 18th - Seminar, 4:00 p.m.,  
415 Alderman, Mark Ascerno

Sunday the 22nd - Runner Beens, game at  
11:00 a.m. on West Bank Field

\*\*\*\*\*

REMINDER...Department Pot Luck Picnic,  
Sunday, Oct. 29, 1:00 p.m., Arboretum

\*\*\*\*\*

GRADUATE STUDENTS - Any grad student who  
doesn't have a way to get to Dr. Ozbun's on  
Sunday but who would like to go, contact  
Terry Ferriss for transportation. You  
can reach her at 3-1010, 645-6565, or in  
her office, Rm. 452.

\*\*\*\*\*

BEENS BEEN STALLED - We are sad to report  
our noble Runner Beens lost their opener  
last Sunday 3-0. They are, however, un-  
daunted and with vigor will take on the  
Co-Rowdies this Sunday at 11:00 a.m.

\*\*\*\*\*

ARBORETUM - Word from the Arboretum is  
that colors are magnificent. This promises  
to be a good weekend for fall hikers,  
wanderers, mum admirers and photographers.  
Saturdays have been less crowded than  
Sundays.

\*\*\*\*\*

SPEECH CLUB - A reminder that the St. Paul  
Speech Club meets right here, 394 Alderman,  
every Friday during quarters. This is a  
good place to improve your communication  
skills. Anyone planning to give a seminar  
can benefit very directly from the Speech  
Club experience.

\*\*\*\*\*

POSITION ANNOUNCEMENTS - Please note the  
recent position announcements that we have  
received. They are posted on the bulletin  
boards.

\*\*\*\*\*

COFFEE ROOM COOKERS - There's been more  
than coffee brewing in the coffee room.  
Anyone engaging in more extensive cooking  
such as cocoa, soup, hot dishes and  
miscellaneous snacks--please clean up your  
act! Wash and return any utensils you  
use. Thank you.

Also, please take your turn at replenishing  
the coffee when necessary.

\*\*\*\*\*

UMH SUPPER PLANNED OCT. 25 - The depart-  
ment is having a supper meeting for  
members of United Minnesota Horticulture,  
the group made up of interested members  
of the horticulture industry in Minnesota.  
UMH had an active role in the department  
external review held 2 years ago. The  
meeting will be held on Oct. 25 at 5:00 pm  
at the Arboretum. After supper Jim Ozbun  
will present the program which is designed  
to bring the guests up-to-date on the  
department and explore areas where we  
can work to benefit each other.

\*\*\*\*\*

SAFETY REMINDER - In case of fire...  
Action is Important, Easy. The individual  
who discovers a fire in a Twin Cities  
campus building should take the following  
action:

1. Alert or assist anyone in immediate  
danger.
2. Confine the fire by closing the room  
door. If the fire is in a corridor  
or lobby, confinement to a single  
floor may be all that is possible.  
(This is the reason for minimizing  
combustibles in corridors.)
3. Sound the alarm by pulling the  
nearest fire alarm pull station. In  
buildings without fire alarm systems,  
the occupants will have to be alerted  
by word of mouth, or by calling out  
"Fire!"
4. Report the fire by dialing "0" from  
the nearest safe telephone.
5. Leave the building and proceed to main  
entrance (or send someone to this  
location) to meet the fire department  
and direct them to the fire.

\*\*\*\*\*

# TWIG-BENDER

Vol. 1

No. 32

October 20, 1978

Department of Hort Sci & L.A.

## THIS WEEK Oct. 22-29

Monday 23rd Monday Night Discussions  
7 p.m. The Refuge  
Presentation by Orville Lindstrom

Tuesday 24th Institute Faculty Meeting  
2 p.m. Room 135  
An/Science-Vet/Med Bldg.

Plant Hardiness Discussion  
*Noon* ~~3 p.m.~~ 394 Alderman Hall  
Irwin Rubenstein and William Park,  
"Molecular Biology Zein Protein  
Complex in Maize"

Wednesday 25th Seminar 4 p.m. 415 Alder-  
man Hall, Mark Ascerno

UMH Supper, 5 p.m.  
Landscape Arboretum

Sunday 29th Department Pot Luck Picnic  
1 p.m. Ordway Shelter -- Arboretum

## Photographers

The Arboretum is again having its Photo Con-  
test. Any amateur photographer may enter for  
a fee of \$3.00. Deadline for registration is  
October 31. Registration forms are available  
on the counter in the main office as well as  
at the Arboretum.

\$\$\$\$\$\$\$\$\$!

Faculty are encouraged to take the opportunity  
to apply for an International Small Grant.  
Details are posted on the faculty bulletin  
board.

## FACULTY PLEASE NOTE

The Fall Institute Faculty Meeting is schedule  
for Tuesday, October 24, 2-4 p.m. in the Anima  
Science/Veterinary Medicine Building, Room 135  
Constitutional changes bearing on internationa  
programs will be discussed at this time. Pleas  
put this important meeting on your calendars.

## Overhead Projectors

We own 4 of them and they are disbursed as  
follows: 1 in 415 Alderman, 1 in 310 Al-  
derman, 1 in the Greenhouse, and 1 in the  
workroom of 305 Alderman for sign out. Let  
Linda Olson know if this is not working.

## Upcoming Visitors

Paul Li is expecting 2 visitors to the  
Hardiness Lab in the near future. Anyone  
wishing to meet either or both of these  
men, please contact Paul Li. Professor S.  
Bialobok, Director of the Institute of Den-  
drology, Polish Academy of Sciences, will be  
here on Monday, Oct. 23 as part of a tour  
arranged by the U.S. Forest Service. Pro-  
fessor John Titus, Dept. of Horticulture,  
University of Illinois, Urbana-Champaign  
will be here November 15 and 16. He is a  
physiologist whose specialty is apple crops  
with an emphasis on storage protein in bark  
tissue.

## Readers!

Remember that the Twig Bender is your paper.  
Your editor but waits to include the infor-  
mation submitted; grants gotten, visitors  
visiting, poems purchased or penned, meetings  
managed, etc.

TODAY

until 3 p.m.

The Hort Club Pumpkin and Indian Corn Sale  
near the Student Center.

Please see the Graduate Students Bulletin  
Board for new job positions in Arkansas,  
Florida, and Idaho.

D.T.L. is now offering an associate member-  
ship for those who feel they cannot attend  
on a regular basis. Please see Dick Ride-  
out or Jim Henrich for details.

## Runner Beens

ran into a forfeit last Sunday which tallied  
as a win for the Beens. Thus they go into  
Sunday's game with a 1 and 1 record. The game  
is Sunday the 22nd, 11 a.m. on the St. Paul  
field, the last regularly scheduled game before  
the play-offs.

Help! Help!

Help! Help!

These cries are coming from the turf in front  
of our building which is getting trampled.  
Please do your part to keep it safe. Don't  
walk across the edge or cut across. This turf  
was laid in May by the department; maybe you  
were one of the people who helped. We watered  
and cut it all summer and continue to care for  
it. Please help. If you have any good ideas  
for signs to discourage early turf death, put  
them in Linda Olson's p.o. box by Monday.

## United Way

Please turn in your United Way cards to Margar  
Smithberg or Laura Dawe by Monday, October 23.

## Soil Samples

The soil samples handled by floriculture and  
soil testing lab should be in no later than  
Thursday afternoons. The samples will be pro-  
cessed on Friday instead of Saturday. The  
change in deadline is effective November 1.

## Kermit Olson Lecture

The speaker for the Kermit Olson Lectureship  
this year will be Professor Abraham Halevy fro  
Hebrew University in Jerusalem. His topic will  
be the gardens and plants of the Bible. The  
lecture will take place the last week in Febru-  
ary and will be coordinated with the events of  
Hort Week.

Still more plastic five quart ice cream  
pails are needed. Please give them to Carol  
Carlson or Paul Read.

# TWIG-BENDER

Vol. 1

No. 33

October 27, 1978

Department of Horticultural Science & L.A.

THIS WEEK Oct. 30 - Nov. 5

Monday the 30th - Monday evening discussion  
7:00 p.m., Refuge, Pre-  
sentation by Terry Ferriss

Tuesday the 31st - Plant Hardiness Discussions  
12 noon, 394 AldH, Ron  
Phillips from Agronomy &  
Plant Genetics

Wednesday the 1st - Seminar, 4:00 p.m.,  
415 AldH, speaker  
David Koranski

## Distilled Water

Both stills supplying Alderman Hall have been fixed and are currently putting out water at 25 mega ohms quality. Since both are operating we should now have both the quality and quantity we need. There may still be some difference between the quality now put out and what is in the tank and pipes; however that should be stable by the end of next week. Thank you for your patience to all who suffered through this drought. If you still have possibly water-related problems by Nov. 6, please let Linda Olson know.

## Runner Beens

The first playoff game for our illustrious team is on Sunday the 29th of Oct. at 11:00 a.m. (the team will be signing autographs later at the picnic). Last week the Beens triumphed in a thrilling dual 4-3 with goals from Twinkle Toes Terry Ferriss and the Omnimenacing Mich Hein.

## Sunday Picnic

Don't forget the Annual Hort Club Pumpkin Carving and Apple Cider Pressing Party! Sunday October 29 at the Arboretum Ordway Shelter. Cider pressing begins in the late morning, picnicing starts at 1:00 p.m. and goes on till sundown.

## TODAY

8:30, Coffee Room, cookies and coffee to honor Bob Nylund on his last official day as a full-time faculty member. Please come.

## Hort Clinic Question Of The Week

"I am wondering about gladiola bulbs. Should I store them separately so the colors don't mix?"

## Congratulations

to Harold Pellett and Peter Ascher who received a \$10,000 grant from U.S. Dept. of the Interior to continue their work on orchid propagation. The successful proposal was written by Jim Henrich and Dennis Stimart.

## Tour Cancelled

The Presidents tour which was scheduled for tomorrow, Saturday morning, has been cancelled.

## Competitive Grants

The department has received an advance copy of the guide for proposal preparation for USDA-SEA grants. Deadlines for unsolicited proposals are:  
Dec. 15, 1978 - Behavioral Factors Affecting Food Choice-Food Habits; Biological Stress on Plants; and Biological Nitrogen Fixation.  
February 1, 1979 - Genetic Mechanisms for Crop Improvement; Human Requirements for Nutrients; and Photosynthesis. The department copy of the guide is available for your use. It's on the shelf with the car keys.

## Noon Hour Slides

Harold Wilkins will be showing slides he took on his summer trip through Europe, Russia, Japan and Australia. The dates are: Friday, Nov. 10 - England, Sweden, Denmark, Leningrad; Wednesday, Nov. 15 - Moscow, Siberia, Far East, USSR; Friday, Nov. 17 - Japan, Australia. Room 394, 12-1, everyone is welcome.

FOUND - watch in greenhouse. See Virgini

## Position Announcements

Please see bulletin boards for positions open in Nevada, Massachusetts, and Oregon. Also NCES-Grand Rapids, and University Without Walls, Univ. College.

# TWIG-BENDER

Vol. 1

No. 34

November 3, 1978

Department of Horticultural Science & L.A.

THIS WEEK Nov. 6-12, 1978

Monday - 7:00 p.m., Monday Night Discussion, The Refuge, presentation by Beth Bray

Tuesday - Noon, 394 Alderman, Plant Hardiness Discussions, Sagar Krupa, Plant Pathology

Wednesday - 4:00 p.m., 415 Alderman, Seminar, Juanito Romerez, Control Data Corporation

Friday - Noon, 310 Alderman, Slides from England, Sweden, Denmark, Leningrad, by Harold Wilkins

## Runner Beens . . .

ran their best but were outrun in Sunday's playoff game. This ends the competitive season for the hardy Beens who were last seen looking for a team for a friendly non-season game.

Thanks - to the Hort Club for delicious cider pressing and generosity with pumpkins at Sunday's picnic.

Faculty - ASHS nominations are being requested for officers for 1979-80. If you have suggestions see Paul Read who will be happy to compile them.

Purchasing Calculators - Under a new policy, the University Purchasing Department has negotiated contracts on calculators costing less than \$500. This means you can obtain a calculator for a competitive price without needing to use the bidding process. Angie Klidzejs has the list of model numbers and prices. Please use this in placing any orders.

Russian for Scientists - Is anyone interested in such a course beginning 1979-80? No previous knowledge of Russian is required. After completing the course students would have the linguistic background necessary for reading Russian material in their area of specialization with the aid of a dictionary. Vicky Weise has more information. If you are at all interested please let her know by Nov. 10.

Thanks to the 'Masqued Marauder' for the yummy halloween treat!

Correction - Harold Wilkins will be showing his slides in 310 Alderman, not 394. Again, the dates are Nov. 10, 15, and 17 during the noon hour. All are welcome, bring your lunch.

Open House - Thursday November 16 the Agricultural Extension Service has invited everyone to the Open House at the new Earle Brown Continuing Education Center between 11:30 a.m. & 3:00 p.m.

Hort Clinic Staff - The Fall line-up of undergrads working in the Hort Clinic and their areas of special interest is as follows:

Kim Bernardy, fruits and vegetables  
Cindy Follard, floriculture & botany  
David Patsche, floriculture  
Kay Sargent, vegetables & plant path.  
Diane Welter, fruits & vegetables,  
plant health tech.

Ground Rounder - today (Friday), 4:00 p.m. or whenever you get there, to celebrate the exams that were passed this week. Beth Bray and Mike Dana passed their MS oral exams. Carol Robacker passed her Ph.D. oral prelim. Congratulations to all three! See you there. (Ground Round--by Har Mar Mall on Snelling)

Rare Books - D. Brown & H. Wilkins are planning a display on rare books (horticulture in nature--naturally). Thus, if you have any old or rare books, call/give them to either Brown or Wilkins

Holiday Party - Saturday, December 9, 7:30 p.m. at the Arboretum. See Vicky Weise to purchase tickets.

Hort Clinic Question of the Week - Why does it keep raining in the Clinic? Our books and pamphlets will be ruined.

Position Announcements - Ag. Administrator, N.C. Dairy-Forage Res. Ctr., Madison, NC State Univ., Raleigh, Dept. of Botany, 3 Post-doctoral Research Assoc. positions.

Pre-registration for Hort majors Friday, November 10, 1-5 p.m., 423 Alderman Hall.



# TWIG-BENDER

Vol. 1

No. 35

November 10, 1978

Department of Horticultural Science & L.A.

THIS WEEK Nov. 13-19

- Monday - Consultative Committee, 8-10 a.m.  
398 Alderman Hall.  
- Hort Club, 5:00 p.m. supper,  
5:45 p.m. meeting, program of slides  
by Harold Wilkins.  
- Monday night discussions, 7:00 p.m.,  
The Refuge, presentation by  
Carol Robacker.

- Tuesday - Dept. Staff Meeting, 8:15-10:00 a.m.,  
394 Alderman.  
- Extension Staff Meeting, 10:00 -  
Noon, 394 Alderman.  
- Plant Hardiness Discussions, Noon,  
394 Alderman, Douglas Pratt from  
Botany.

- Wednesday - Brown Bag Slides of Russia, Noon,  
310 Alderman by Harold Wilkins,  
everyone welcome.  
- Seminar, 4:00 p.m., 415 Alderman,  
David Curwen, University of Wisconsin.  
- Undergraduate Curriculum Committee,  
2:30 p.m., 398 Alderman.

- Thursday - Hort Sci Singers, 12:15 - 1:00 p.m.,  
310 Alderman; anyone interested in  
singing is welcome.  
- Open House, Earle Brown Center,  
11:30 a.m. - 3:00 p.m.

- Friday - Brown Bag Slides of Japan and  
Australia, Noon, 310 Alderman Hall,  
by Harold Wilkins, everyone welcome.

Whew, we made it to the weekend!

\*\*\*\*\*



Shine up your  
dancing shoes!  
The Christmas Party  
is Saturday, Dec. 9.  
Tickets (\$3.50 each) can be  
purchased from Vicky Weise,  
3-1026.

\*\*\*\*\*

Water Wonders: Distilled water in the Alder-  
man still is now at 260,000 ohms/cm.

\*\*\*\*\*

Runner Beens - crucial game Sunday, 3 p.m.,  
W. Bank Field, fighting it out for 17th or  
21st place in the division.

\*\*\*\*\*

## JOHN'S ICE CREAM RECIPE

With the realization that I could list  
it as a publication on my curriculum  
vitae I have decided to publish my much-  
sought-after recipe for Carter's Pretty  
Good Homemade Chocolate Ice Cream.

Materials: 1½ c. sugar (substitute  
Carter's Pretty Good Honey  
if enlightened)  
1 tbsp. flour  
½ tsp. salt  
4 eggs  
3 squares unsweetened choc.  
2 c. heavy cream  
1 tbsp. vanilla  
2 oz. shredded semisweet  
choc.  
2 c. milk

Method: Mix up the sugar, flour and  
salt, add the milk slowly while stirring,  
fold in the slightly beaten eggs and  
heat the resulting mixture with con-  
stant stirring (manual) until it has  
thickened. While this is transpiring,  
melt the unsweetened chocolate; add  
it to the thickened pudding and allow  
the resulting mixture to cool--the ice  
you have procured for the final act  
works well for this, or, if you have  
smugly done this in advance of the  
party, use your refrigerator. At this  
point the pudding is granular and you  
will be certain that it cannot produce  
a smooth final product. I exhort you  
to have faith; it has worked countless  
(6 or 7) times in the past.

To continue; after cooling, stir in the  
cream and vanilla and pour the works  
into the ice cream maker. Crank  
vigorously until some resistance is  
felt; when it is grainy add the pulver-  
ized semisweet chocolate. Continue  
cranking until the crank won't turn.

Two addenda: 1) If you eat a normal  
helping of the finished product your nose  
may well break out in pimples. 2) Making  
the ice-salt bath into an ice-salt-water  
bath by adding some water will hasten the  
formation of the ice cream since much  
better contact is then made between the  
canister and the cold bath. I think the  
ice cream turns out smoother this way  
since rapidly formed crystals are smaller  
than slowly formed ones.

# TWIG-BENDER

Vol. 1

No. 36

November 17, 1978

Department of Horticultural Science & L.A.

## THIS WEEK Nov. 20-26

- Monday - Monday Night Discussion, 7:00 p.m.,  
The Refuge, presentation by Margy  
Braden.
- Tuesday - Plant Hardiness Discussions, Noon,  
394 Alderman, Irvin Liener from  
Biochemistry.
- Wednesday - Seminar, 4:00 p.m., 415 Alderman,  
Bob Lyons.
- Thursday - Happy Thanksgiving! Office Closed.  
(Hort. Sci. Singers have per-  
mission to sing at the table.)
- Friday - Office Closed, no one here to  
write Twig Bender.

## NEXT WEEK Nov. 27 - Dec. 3

- Monday - COLLEGE OF AGRICULTURE OFFICE  
CLOSED.  
- Hort Club Meeting; Supper 5:00,  
Meeting 5:30-6:30, 415 Alderman.  
- Monday Night Discussions, 7:00 p.m.,  
The Refuge, presentation by  
Hwei-Hwang Chen.
- Tuesday - Plant Hardiness Discussions, Noon,  
394 Alderman, Robert Bryant from  
Chemistry.
- Wednesday - Seminar, 4:00 p.m., 415 Alderman,  
Norman Pellett from University of  
Vermont.
- Thursday - U.S. Senate Aides visiting dept.  
- Hort. Sci. Singers, 12:51 p.m.,  
310 Alderman.
- Friday - David Lilly, Dean of the College  
of Business Administration,  
visiting greenhouse.

### CHRISTMAS REVELERS!

By Nov. 22 buy your tickets (\$3.50 each)  
from Vicky Weise. The Department Party is  
December 9, 7:30 p.m., at the Arboretum.

### HORT CLUB

As noted in the calendar there is a meeting  
on November 27. The club meets every second  
Monday and is open to all undergrad Hort  
majors. This week's program is slides by  
Harold Wilkins. A donation of 50¢ for supper  
is welcomed.

EVERYONE NOTE: The Coffey Hall College of  
Agriculture Office will be closed Monday  
Nov. 27. You may not think that affects  
you. However, that means no one can sign  
documents, plans, authorizations, etc.  
between Nov. 22 and Nov. 28. **PLAN AHEAD!**

GRANT WRITERS - Effective immediately, NSF  
has established 15 single-spaced typewriter  
pages as the normal limit for the project  
description portion of research proposals  
submitted to the agency.

FACULTY - Remember to give facts and figures  
you would like possibly included on place-  
mats to Jim Ozburn or Linda Olson.

DISTILLED WATER - New reading for dis-  
tilled water in Alderman is 260,000 ohms/cm.

URGENT! Please sign the sheet posted by  
graduate student mailboxes if you plan to  
indulge in burritos and tacos after the  
Monday evening meeting.

MORE SLIDES - Hal Wilkins got too windy in  
Leningrad and never got across Russia.  
So, there is an extension to the series  
and will continue on Monday the 27th at  
noon, Room 310. Who knows, there might  
be another.

POSITION ANNOUNCEMENTS - Chicago Hort.  
Soc. Botanic Garden, Glencoe, IL.; Postdoc.  
Res. Assoc., Michigan State Univ.; Res.  
Asst., Veg. Breeding, Univ. of Arkansas;  
USDA, Res. Food Tech., Wheat Quality &  
Pome Fruit, Res. Unit, Wooster, Ohio;  
USDA, Ag. Adm., N.C. Dairy-Forage Res.  
Ctr., Madison, Wis.; Univ. of Maryland,  
Asst. or Assoc. Professor, Land. Arch.

FAREWELL COFFEE - Today at 3:00 p.m. for  
Chan in the second floor hardiness lab.  
Good luck, Chan!

# TWIG-BENDER

Vol. 1

No. 37

December 1, 1978

Department of Horticultural Science & L.A.

## THIS WEEK Dec. 4-10

- Monday Monday Night Discussions, Refuge, 7 p.m.; presentation by Wayne Brown, partying afterwards, details unknown
- Tuesday Plant Hardiness Discussions, Noon, 394 Alderman, discussion of framework for Winter Quarter
- Wednes. Three days 'till Department Party!
- Thursday Hort. Science Singers, 12:15 p.m. 310 Alderman Hall
- Friday Tomorrow's the party!
- Saturday 2nd Annual Incomparable CHRISTMAS PARTY 7:30 p.m. Landscape Arboretum

WELCOME to Dr. Luther Waters and his wife, Diane, who arrived here from Oregon this week to take on his new duties as Vegetable Extension Specialist. And to John Lange, and his wife, Marilyn, who has begun his duties as Coordinator at the Arboretum and Research Center. We wish them much success in their positions here.

\*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*      \*\*\*\*

Friday, December 15

Traditional Christmas Skit Party, 2:30 p.m., 310 Alderman. Skits (Can they top last years?) Songs by the Hort Sci Singers, cookies and punch. 50¢ for all that fun!



## TRAVELERS -- TAKE NOTE.

You are not allowing enough time for travel authorizations, particularly those requiring advances, to be processed. The following information has been gathered to encourage your planning ahead.

Mpls/St. Paul	Round Trip	Coach	Air Fares
	Regular	Excursion	Super-Saver
Chicago	\$108	\$92 - weekend - \$65	\$86 - midweek - \$54
San Francisco	\$308	\$242 - weekend - \$216	\$246 - midweek - \$185
Miami	\$296	\$252 - weekend - \$207	\$237 - midweek - \$178
Atlanta	\$204	\$173 - weekend - \$143	\$163 - midweek - \$122

Regular - buy on your way to the airport.

Excursion = purchase 30 days in advance; stay away over Saturday night

Super-Saver = purchase 30 days in advance; stay away for 7 days

There may not be many times you can take advantage of these fairs, but we looked them up hoping to find ways to help our funds do the most for us.

## Position Announcements

Assistant or Associate Professor in Turfgrass Science at Cornell Univ., Ithaca, N.Y. Responsibilities include providing leadership for the turfgrass program in the College, extension education, resident teaching, and research. A Ph.D. is required with experience in turfgrass science and/or management desired. It is a twelve-month tenure track appointment. Closing date for application is December 30, 1978. Position available Jan 1, 1979. See bulletin board for details.

Assistant or Associate Professor in Hort. Physiology at Cornell University, Ithaca, N.Y. Includes 75% research and 25% teaching. Twelve month appointment. Requires Ph.D. with emphasis in plant physiology, biochem. and plant science. See bulletin board for details.

Other positions this week include Graduate Resident Assistantships -- see bulletin board for details

# TWIG-BENDER

Vol. 1

No. 38

December 8, 1978

Department of Horticultural Science & L.A.

## THIS WEEK Dec. 11-17

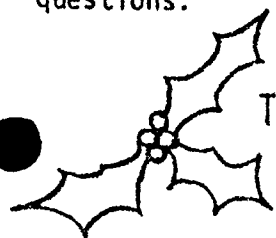
- Monday - 8-10:00 a.m., Consultative Committee, 398 Alderman Hall
- Tuesday - 8:15-10:00 a.m., Staff Meeting, 394 Alderman Hall  
10:00-12:00, Extension Staff Meeting, 394 Alderman Hall  
1:00-5:00 p.m., Special Staff Meeting, 394 Alderman Hall
- Friday - 2:30 p.m., Annual Holiday Skit Party, 310 Alderman Hall

CONGRATULATIONS to Angie Klidzejs who won a green ribbon in the landscape category at the Arboretum Annual Photography Contest.

Reminder: Linda Olson is still accepting facts and figures to be used in developing horticulture placemats.

Visitor: Tom Fretz from the Dept. of Horticulture, Ohio State University, will be here on Monday, December 18. He will be giving a seminar at 10:00 a.m. in 394 Alderman, "Chemical taxonomy: aids to plant identification." Paul Read is organizing the visit.

HELP! Pat Hencir is having difficulty assigning some charges. This usually results when a student purchases goods or services within the university cryptically identifying herself or himself as "Sue" or "Ted". This gives Pat very little to go on when trying to charge you correctly. Please tell students to give the faculty member's name when purchasing. We are happy to serve as a resource on what is the correct budget number if you have any questions.



TOMORROW!

DEPARTMENT CHRISTMAS PARTY

DOOR PRIZES

USDA-SEA - Change in deadlines has been announced. Most recent dates are: Friday, January 12, 1979, for Biological Stress on Plants, Biological Nitrogen Fixation, Behavioral Factors Affecting Food Choice-Food Habits. Friday, February 16, 1979, for Genetic Mechanisms for Crop Improvement, Photosynthesis, Human Requirements for Nutrients. Please note: those are agency deadlines; in order to meet them, grants must leave this department January 2 for the first group and February 2 for the second.

CONGRATULATIONS to Mark Brenner! He and Bill Brun in Agronomy have received \$45,000 for 3 years from the American Soybean Association Research Foundation for "The role of root nodules as determinants of physiological activities in soybean plants."

Fellow members of the Alderman community Things are getting out of hand with the carousel projectors. For the last 10 days, the usual situation has been to find all projectors gone and, at the most, one signed out. Obviously, this is causing confusion and frustration for a lot of people. Please, when you take a projector, use the magnetic board to sign it out. When you return it, remove the magnet.

## ANNUAL SKITS

Friday, December 15, 2:30 - Original and witty skits reviewing the year's happenings and happenings of horticulture. A mere 50¢ to cover punch, cookies, dramatics and songs by the Hort Sci Singers. Tell Dick Rideout if you're planning a skit.

At the Arboretum ... the Christmas tree display is up. The cross country ski trails are marked, but the snowshoe trails are not yet open. The buildings will be closed December 22-December 26.

DANCING

hors d'oeuvres

7:30 P.M., THE ARBORETUM

Don't miss it! \$3.50/person

# TWIG-BENDER

Vol. 1 No. 39 December 15, 1978 Department of Horticultural Science & L.A.



## THIS WEEK Dec. 18-24

Monday - Seminar 10:00 a.m., 394 Alderman, Tom Fretz, Ohio State University, Department of Horticulture, "Chemical Taxonomy: Aids to Plant Identification"

Friday - University Holiday, Department Office Closed

TRAVELERS - The earlier announcements on regulations covering travel authorizations may have been misunderstood. They were not meant to spark a contest for "last in under the wire." The Institute Dean's Office requests authorizations two weeks in advance, a month for foreign travel. Please assist us in getting this job done.



## CHRISTMAS SKIT PARTY

Today at 2:30! A mere 50¢ (payable in advance or at the door) to cover cookies, punch, and entertainment by the Hort Sci Singers and department skits. Please notify Dr. Hertz if you have a skit planned.

GIANT THANKS. . . to a well organized and hard working social committee for a beautiful Christmas Party at the Arboretum. The guests enjoyed themselves as usual while the committee assured a smooth flow of food and punch and presents. Thanks, too, to the Arboretum staff for letting us all enjoy their beautiful facility.

STUDENTS TOURING - On December 20 Mr. Fred Glasoe will be touring his students through our greenhouse and Alderman Hall. One group will tour in the morning; a second, in the afternoon.

REMINDER - Small Grants Research Program International Programs deadline is January 15.

PURCHASING - Help save us from angry letters from the Purchasing Department. You can do so by not buying anything without getting a Purchase Order Number. Angie Klidzejs can get one for you. Also, don't let a repairman leave without getting a P.O. number to give to him\*. We would really appreciate your cooperation.

HOLIDAY HOURS - The office will be closed Dec. 22, Dec. 26, and Jan. 1.

\* new form of her/him

POSITION ANNOUNCEMENTS - Asst. Prof., Crop Science, Calif. Polytechnic State Univ. Asst. or Assoc. Prof., Hort., Fort Valley State College, Fort Valley, Georgia; Res. Technician, Hort., Purdue, W. Lafayette, Indiana.

WEDDING BELLS! Congratulations to David J. Olson and Mary Curran who are being married tonight. Shy fellow that he is, Dave's wishes for non-announcement prior to today have been respected. He did agree, however, to a scoop in the Twig Bender.



# TWIG-BENDER

Vol. 1 No. 40

December 21, 1978

Department of Horticultural Science & L.A.

THIS WEEK Dec. 25-31

- Monday - Christmas Day and the last day of Hannukah -- Happy Holidays to everyone!
- Tuesday - Holiday -- Office closed
- Friday - Progress Reports due
- Sunday - The last day of what has been a very busy year -- Happy New Year! ! !

Arboretum Trip Dr. & Mrs. Snyder and 16 fellow travelers returned on Sunday from their fifth trip sponsored by the Arboretum. They visited Columbia, Peru, Argentina, Chile and Brazil. This and other similar trips have been designed as fund raisers for the Arboretum, with each traveler contributing \$100 to the Arboretum. During the past summer this helped support the professional travel of Merv Eisel to Russia. Another Arboretum trip has been planned for May, 1979, a Great Britain Gardens tour.

Lost -- A large 3 tiered stainless steel cart is missing from Shirley Munson's lab. If found please return

Special thanks to the Greenhouse Crew from the Office Crew. The Christmas tree never would have stood without your help, and the Christmas cactus was beautiful. Thank you.

Tomorrow Any hardworkers in Alderman Hall tomorrow, December 22, please take note! Physical Plant will be testing the fire alarm system in this building on that day.

Welcome! Cindy Willcox has begun work today as a new secretary in the first floor extension office.

Birthday The Twig Bender has received word that Mrs. Arthur Wilcox is having a party on December 30 from 105 p.m. at the St. Anthony Methodist Church in honor of her 80th birthday. You are cordially invited. Mrs. Wilcox's address is 3220 Lake Johanna Boulevard, St. Paul 55024

Again, Welcome! Welcome back to Mando Shehata who returned as Junior Scientist to work with Dave Davis.

Floral gathering-in Harold Wilkins is collecting all those vases, etc., from the floral design lab that have been disbursed. If you have any, please return.

+++++

## GRADUATE STUDENTS PRELIM EXAM

January 8 is the date of the next prelim question. It is also the first time we will use the new procedure for taking the exam during the day. Vicky Weise will have the question and booklets. Pick it up from her. Rooms 398 and 394 have been reserved for the writing of the question. Return the exam to her when you are finished. Questions will be selected, graded and discussed as has been done in the past; the only change has been in the time and place of writing the prelim.



Reminder International Small Grants Research Program deadline is January 15.

# TWIG-BENDER

Vol. 2 No. 41

December 29, 1978

Department of Horticultural Science & L.A.

This Week January 1-6, 1979

Monday	Happy New Year!
Tuesday	Welcome Back Classes Start
Wednesday	Undergraduate Curriculum Committee-10 a.m. 398 Alderman
Thursday	Consultative Committee 10 a.m. 398 Alderman (ten.) 4 p.m. HORT 8041, Discussions in Administrative Organization, 394 Alderman

Research Specialist -- Eric Bouwens is working with John Carter as a Research Specialist during Winter Quarter. He is a student at Kalamazoo College in Michigan.

Welcome to new graduate students Tom Kozier, Ezzaddin omar Abusteit and Kobra Haghighi.

REMINDER -- PRELIM QUESTION -- GRAD STUDENTS

January 8 is the date of the next prelim question. It is also the first time we will use the new procedure for taking the exam during the day. Vicky Weise will have the question and booklets. Pick it up from her. Rooms 398 and 394 have been reserved for the writing of the question. Return the exam to her when you are finished. Questions will be selected, graded and discussed as has been done in the past; the only change has been in the time and place of writing the prelim.

Taxes, Taxes

Employees on regular payroll (receiving checks today) will receive their W-2 forms from the University through the U.S. mails hopefully next week. A delay in printing prevents us from getting them today. We expect to distribute W-2's to people paid on miscellaneous payroll with the January 10 checks.

USDA -- SEA

The next deadline coming up is February 2 for grant proposals in the area of genetic mechanisms for crop improvement, Photosynthesis, Human requirements for nutrients. Word has it that several industrious investigators are planning to submit for this deadline. So that our office can do a good job for you, please submit as early as possible. Linda will rough out budgets whenever you like. Thanks for your cooperation.

++++ +++++ +++++ +++++ +++++ +++++

REMINDER

Office of International Programs Small Grants Program for International Research deadlines January 15. Linda has copies of the guidelines.

++++ +++++ +++++ +++++ +++++ +++++

PROGRESS REPORTS DUE TODAY,  
FRIDAY, DECEMBER 29

++++ +++++ +++++ +++++ +++++ +++++

A NEW YEAR'S RESOLUTION for all coffee drinkers that they be good citizens and replenish the pot when it is their turn.

++++ +++++ +++++ +++++ +++++ +++++

HAPPY

NEW

YEAR!

++++ +++++ +++++ +++++ +++++ +++++

# TWIG-BENDER

Vol. 2 No. 1 January 5, 1979 Department of Horticultural Science & Landscape Arch.

## THIS WEEK January 8-14

- Monday - Prelim Question: Grad students wishing to write the question should see Vicky Weise.  
- Hort Club, 5:00 p.m., 415 AldH.  
- Monday Night Discussion, 7:00, Refuge
- Tuesday - Department Staff Meeting, 8:15 a.m., 394 Alderman.  
- Extension Staff Meeting, 10:00 a.m., 394 Alderman.  
- Office Staff Meeting, 4:00 p.m., 398 Alderman.
- Wednesday - St. Paul Landscape Advisory Committee, 3:00 p.m., 156 Earle Brown Center.
- Thursday - Lecture by Grant Jones, 7:30 p.m. 405 Alderman.  
- Hort 8-041, 8:30-10:00, 394 AldH.
- Sunday - Movies at the Arboretum, 1:30 p.m., The Auditorium.

\*\*\*\*\*

WELCOME . . . to Janet Sinner who joined the department on December 27 as an assistant gardener in the greenhouse.

\*\*\*\*\*

### DEADLINES

- Jan. 15 - Small Grants Program for International Research, due in 201 Nolte West.
- Jan. 26 - Educational Development Program, proposals due in College of Agriculture Office.

\*\*\*\*\*

WATER WORKS - distilled water reports it is coursing through the pipes 270,000 ohms pure.

\*\*\*\*\*

TAX LETTER - Grad students employed as RA's and/or TA's during fiscal 1978 will receive a letter for tax purposes. They are being prepared and will be distributed in p.o. boxes when ready.

\*\*\*\*\*

NEW OFFICE - Mike Zins, who is still with the Cooperative Extension Service now has his office at the Arboretum.

\*\*\*\*\*

BROKEN - If you were planning to get your act together this week, don't count on binding it up with the binding machine. It is broken and out for repairs.

\*\*\*\*\*

VISITOR - Grant Jones from Jones and Jones of Seattle is a visiting landscape architect in our department this week. He will be here Thursday and Friday the 11th and 12th and will be speaking in the Grade II Studio Thursday evening.

\*\*\*\*\*

GIANT FOOD REMOVAL - Hear Ye, Hear Ye, owners of food of any sort. The fridge in the coffee room will receive a giant cleaning tomorrow, Saturday, January 6. If you have something you wish to have stay in the fridge, put your name and today's date on it. ALL ELSE WILL BE PITCHED. (Labor contributed by the Minnesota Fresh Air & We Care League)

\*\*\*\*\*

We have a package in the main office from Chapin Watermatics, Inc. in Watertown, NY. Anyone claiming it, please see Pat Hencir.

\*\*\*\*\*

REMINDER - Please check out all projector before taking them out of the main office.

\*\*\*\*\*



# TWIG-BENDER

VOLUME 2 Number 2

January 12, 1979 ;

Dept. of Horticultural Science & L.A.

This Week -- January 15-21

- Monday - Seminar 10 a.m., 394 Alderman  
Tom Fretz, Ohio State U., Dept.  
of Horticulture, "Chemical  
Taxonomy: Aids to Plant Identifi-  
cation."  
- Monday Night Discussions 7 p.m.  
Refuge, Presentation by Bob  
Lyons
- Wednesday - Seminar 4 p.m., 415 Alderman,  
speaker, Mike Zins, on the  
Master Gardener Program
- Friday - Speech Club, Noon, 394 Alderman
- Sunday - Movies at the Arboretum,  
1:30 p.m., Auditorium

## DEADLINES

USDA Preproposals--The January 26 is a received-  
in-Washington deadline; thus our preproposals  
must be out of here and at the Experiment Station  
no later than January 23.

EDP Preproposals--due in College Office  
January 26.

\*\*\*\*\*

WELCOME -- Dr. Sung Do Oh has joined our de-  
partment for three months. He will be working  
in the area of cold hardiness. Dr. Oh is on  
the faculty of Jeonbug National University  
in Korea in the Department of Horticulture. He  
serves as well as a Joint-Senior researcher in  
Jeonbug Province in the Office of Rural Develop-  
ment. During his stay here, his office is 270  
Alderman, phone 3-1024.

\*\*\*\*\*

## HELP!

Does anyone have lendable copies of the National  
Vegetable Research Station report or bulletin  
(or other) out of Wellesbourne, England? So  
far, my searching attempts have been fruitless.  
Any hints would be appreciated! Dan Goldman,  
352 Alderman, 373-1162

\*\*\*\*\*

VISITOR--Tom Fretz from Ohio State will be here  
all of Monday, January 15, giving a seminar that  
morning in 394 Alderman. Paul Read is organizing  
the visit so please see him if you wish to spend  
time with Tom.

## VEHICLES

The department van is out for repairs.  
Unfortunately, it will be out for some  
time. The repairs required are major  
and indicate our hardy van has been  
seeing some very heavy wear.

\*\*\*\*\*

\*\*\*\*\*

\*\*

## PROJECTORS

A special request. Please turn in  
today any department projectors you  
have. Our sign out system has been  
so misused this week that I'm concerned  
about where they are, if we still have  
them, if they're still working. You  
may sign them out again Monday. The  
lack of cooperation during this week  
resulted in lots of last minute scroung-  
ing and at least one professor had to  
conduct his class without the slide pre-  
sentation he had planned. Greater co-  
operation would obviously be appreciated.

\*\*\*\*\*

\*\*\*\*\*

\*

Hortus Sportus, our departmental basket-  
ball team, was victorious last night with  
a stunning score of 59-46!

\*\*\*\*\*

\*\*\*\*\*

\*



"Don't I know you?"

# TWIG-BENDER

Volume 2, Number 3

January 19, 1979

Department of Horticultural Science & Land. Arc

## THIS WEEK - January 22-28

Monday - Hort Club 5:00 p.m., 415 Alderman - supper served; 5:45 p.m., meeting.

Monday night discussions, 7:00 p.m., Refuge, discussion of Prelim question.

Tuesday - Preproposals due in Experiment Station

Wednesday - Seminar, 4:00 p.m., 415 Alderman, Leonard Hertz, "Winter Protection of Strawberries."

Thursday - Noon, 310 Alderman, Hort Sci Singers

Friday - Noon, 394 Alderman, Speech Club

\*\*\*\*\*

**WATER WONDERS** - The still still maintains a purity of 270,000 ohms.

\*\*\*\*\*

**WELCOME BACK** - The van is back after extensive shock and block lifting. Please drive carefully.

\*\*\*\*\*

## DEADLINES

USDA Preproposals must be done and delivered to the Experiment Station by Tuesday afternoon, Jan. 26. These preproposals may not exceed 5 pages in length excluding title page.

USDA Competitive Grants must leave the department February 2.

\*\*\*\*\*

**NEW OFFICERS** - The 1979 officers of the Lambda Chapter of Pi Alpha Xi are:

President - Mitzi Friedel Shirk

Vice President - Will Healy

Secretary - Carol Carlson

Treasurer - Loren Stephens

Faculty Advisor - Deb Brown

CONGRATULATIONS!

\*\*\*\*\*

**HORT SCI SINGERS** - A small but tuneful band of people who enjoy singing gathers every Thursday at noon in 310. Anyone is welcome to join.

\*\*\*\*\*

Copies have been received in the office of letters individuals have sent to President Magrath. We appreciate receiving the copies.

\*\*\*\*\*

The remarkable, Hortus Sportus basketball team lost last night in a last second thriller by a score of 80-31. Way to go team!!!

\*\*\*\*\*

## PLIERS AND WIRES

Greetings Hort Folks:

In an effort to get the most out of department equipment and yet maintain good condition of same, there will be a weekly (if I can think of something to write) "column" on equipment operation.

Today's sage advice:

When resetting growth chamber operating temperatures, remember to also adjust the Lo & Hi limit control switches. A good rule of thumb would be to set the Hi limit 10° higher and the Lo limit 10° lower than corresponding high and low temperatures set on main temp control. This will keep a chamber, hell bound for destruction, from taking your experiment with it. Any questions, ask me.

Dave Olson

Branch Breaker Staff Writer

\*\*\*\*\*

**JOBS** - Asst. Prof. and Ext. Fruit Spec., Hort., Michigan State Univ., E. Lansing; Jr. Sci., NCES, Grand Rapids; Directorship, Agronomy Serv. Div., MN Dept. of Agriculture; Asst. or Assoc. Prof. of Veg. Crops, Cornell Univ.

\*\*\*\*\*

# TWIG-BENDER

Volume 2, Number 4

January 26, 1979

Department of Horticultural Science & Land. Arch.

THIS WEEK - Jan. 29 - Feb. 4

- Monday - Monday Night Discussions, 7:00 p.m., The Refuge, presentation by M. Toivio.
- Wed. - Seminar, 4:00 p.m., 415 Alderman, presentation by Harold Wilkins.
- Thurs. - Hort Sci Singers, Noon, 310 AldH.
- Friday - Speech Club, Noon, 394 Alderman.
- Sunday - Movies at the Arboretum, 1:30 p.m., Auditorium, "Vital Heritage: Marshes, Swamps, and Bogs."

\*\*\*\*\*

CONGRATULATIONS to Bob Nylund, Professor Emeritus, who was given honorary membership in the North Central Weed Control Conference at the conference meeting December 5-7, 1978.

\*\*\*\*\*

### DEADLINES

- February 1 - research highlights, a brief statement on the benefits resulting from your work to be included in the Experiment Station publication Benefits from Research.
- February 2 - USDA Competitive Grants leave this department for routing to ORA.

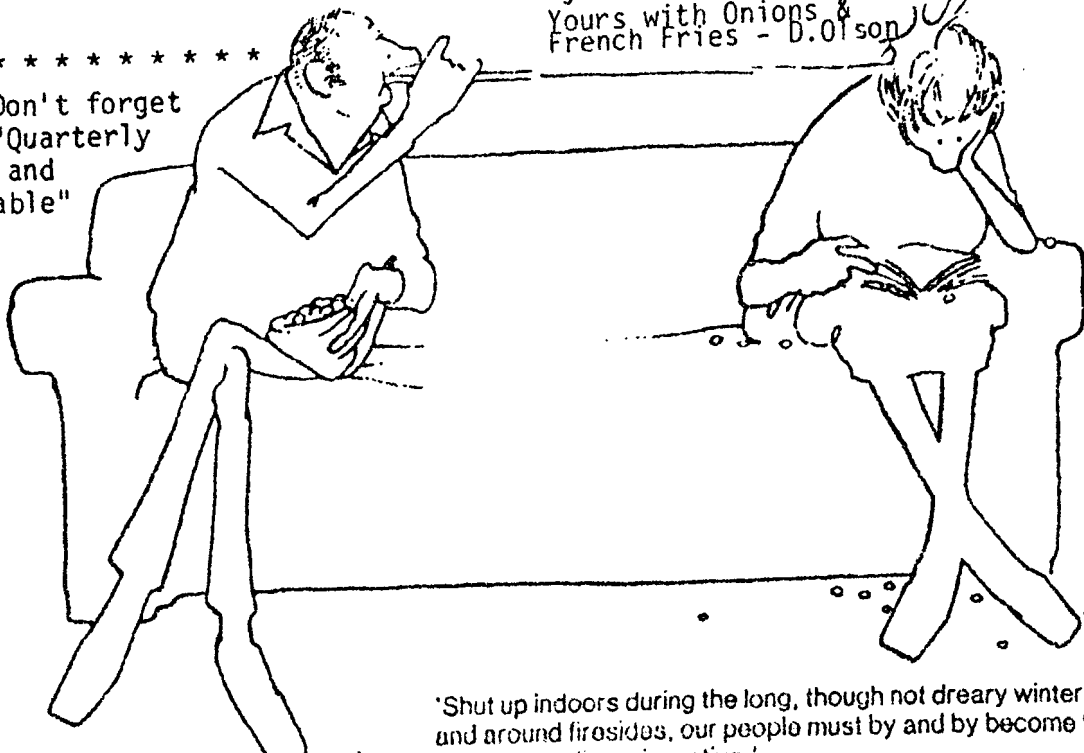
\*\*\*\*\*

Condolences to Darleen Ulrich whose father died on January 20.

\*\*\*\*\*

GRAD STUDENTS - Don't forget to turn in your "Quarterly Progress Report" and "Projected Timetable" forms.

Anyone claiming a letter re: post-doc course at Univ. of Zagreb please see Vicky.



WATER PURITY - still holding at 270,000 ohms/cm.  
\*\*\*\*\*

VISITORS EXPECTED - Bill Sims, Extension Specialist at the Univ. of California, Davis, will be giving the afternoon seminar on Feb. 7. He will be available part of Feb. 6 and Feb. 7 to meet with individuals. Please see Luther Waters if you are interested in meeting with Bill.

Adolf Krass, a potato physiologist from the Univ. of Hohenheim in Stuttgart will be here Feb. 12 and 13. His area of specialization is tuberization, and if you wish to see him during his visit, please arrange a time with Paul Li.  
\*\*\*\*\*

### PLIERS AND WIRES

This is an emergency request from your old tinker in the Hort Shop. I would be forever grateful to anyone who would supply me with a 1978 or 1979 copy of the Science, Guide to Scientific Instruments magazine. This little item would save me hours in chasing down parts & information for equipment brought (in pieces) to this shop. Reward for supplying this publication will be dinner at the White Castle of your choice escorted by Yours Truly & transportation provided by a 1965 Chev pickup. Yours with Onions & French Fries - D. Olson

'Shut up indoors during the long, though not dreary winters, in works and around firesides, our people must by and by become thoughtful, serious, studious, inventive.'  
--William Watts Folwell, first president of I

# TWIG-BENDER

Volume 2, Number 5

January 26, 1979  
~~FEBRUARY 2~~

Dept. of Horticultural Science & Land. Arch.

## THIS WEEK February 5-11

- Monday - Prelim Question  
- Hort Club - all students welcome, 415 AldH, supper at 5:00 p.m., program at 5:45 p.m.  
- Monday Evening Discussions, 7:00 p.m., Refuge, presentation by Emily Hoover
- Tuesday - Consultative Committee 8-10:00 a.m., 398 AldH.
- Wednesday - Seminar, 4:00 p.m., 415 AldH, Bill Sims from Univ. of Calif., Davis
- Thursday - Hort Sci Singers, Noon, 310 AldH.
- Friday - Speech Club, Noon, 394 AldH.

\*\*\*\*\*

PRELIM QUESTION - A question will be written on Monday, February 5. Vicky Weise will have the question and booklets. Please pick these up from her. Rooms 398 and 394 have been reserved for taking the exam. Return the exam to Vicky when you are finished. The question will be discussed at the Monday Evening Discussions Feb. 19.

\*\*\*\*\*

## PLIERS AND WIRES

For the enlightenment of all concerned: Anytime you are in need of fluorescent tubes or incandescent bulbs for your growth chambers, please contact me and I will replace same.

Congratulations to Jiwan Palta who won the "White Castle Surprise" by supplying me with a 1979 copy of Science instruments publication. Since then Dr. Palta has turned down the tasty repast offered, so I have volunteered to eat a double portion.

I will be on vacation Feb. 6-9 chasing the great snowflake along the North Shore.

The Sitzmark Kid--D. Olson

\*\*\*\*\*

Does anyone know to whom the broken Microvoid hood on 4th floor officially belongs to? If you know whose budget it was purchased on, please contact Bruce Garley.

\*\*\*\*\*

VISITOR - Dr. Booker T. Whatley from Tuskegee Institute will be on campus Thursday and Friday, Feb. 15 and 16, in connection with recruiting minority students for our graduate program. He is scheduled to give the following two seminars: (1) Thursday, 2:00 p.m., Rm. 394 - "Effect of Honey Bee Pollination on Yield and Quality of Rabbit-eye Blueberry". (2) Friday, 3:00 p.m., Rm. 415 - "Tuskegee Institute Small Farm Study". Graduate and research faculty should see Vicky Weise to schedule a time to meet with Booker.

\*\*\*\*\*

REMINDER - Those who received Malthusian Dilemma Opinion Survey forms--please return them if you have not already done so.

\*\*\*\*\*

SEMINAR SPEAKER - Dr. Bill Sims who will be giving Wednesday's seminar will be in the department and available for individual meetings late Feb. 6 and most of the day on Feb. 7. Please see Luther Waters if you wish to meet with Bill.

\*\*\*\*\*

ST. PAUL STUDENT CENTER WEEK OF FEB. 5 - During the noon hour each day of the week there will be presentations as part of the week long series "Not Just Another Women's Series." The program is free, open to everyone and deals with a variety of issues relevant to everyone, not women only.

\*\*\*\*\*

H<sub>2</sub>O says: 310,000 ohms

\*\*\*\*\*

LOST - light blue down vest. Please see Pat Pierquet if you know of its whereabouts. It was left in Room 152 Thursday afternoon.

\*\*\*\*\*

# TWIG-BENDER

Volume 2, Number 6 February 9, 1979 Dept. of Horticultural Science and Land Arch.

Monday - Seminar, 10:00, 394 AldH, T. Fretz, Ohio State, Chemotaxonomy  
- Monday evening discussions, 7:00 p.m., Refuge, presentation by Pat Holloway.

Tuesday - Staff meeting, 8:15-10:00 a.m., 394 AldH.  
- Extension staff meeting, 10:00 a.m.-noon, 394 AldH

Wednesday - Seminar, 4:00 p.m., 415 AldH, Roy Thompson, Asst. Director, Ag. Exper. Sta.

Thursday - Seminar, 2:00 p.m., 394 AldH, Booker Whatley

Friday - Preregistration, 1-4:30 p.m., 423 AldH  
- Seminar, 3:00 p.m., 415 AldH, Booker Whatley

Sunday - Botanical Gardens of Russia by Merv Eisel, Arboretum, 1:30 p.m.

\*\*\*\*\*

FACULTY - a reminder that the All Industries Dinner of the Hort Industries Conference is Monday evening 6:00 p.m. February 26. Remember to make a reservation if you wish to attend. There will be a wine and cheese social hour at 5:00 featuring Minnesota wines.

\*\*\*\*\*

GRAD STUDENTS - Monday Evening Discussion will be followed by a social gathering at Jim Henrich and Bob Lyons' apartment, 1740 Larpenteur Ave. W., Apt. 2A. Food and non-alcoholic punch will be provided for 50¢. Anything additional you can bring on your own.

\*\*\*\*\*

UNDERGRADS - Preregistration is Friday afternoon from 1:00-4:30 p.m. in 423. This is your opportunity to meet with your advisor, determine your schedule and get cards for limited entry horticulture courses.

\*\*\*\*\*

POSITION ANNOUNCEMENTS - Univ. of Georgia, Athens, Floriculturist, Post-doc fellowship, Grad Teaching & Res. Assistantships, Grad Res. Assistant in plant nutrition & soil fertility; Brainerd Vo-Tech landscape instructor; Univ. of Florida, Gainesville, Asst. or Assoc. Prof., Ag. Res. & Ed. Center, Asst. Prof. Woody Ornamentals.

CONGRATULATIONS to Kris Bernardy who has been selected as a Mosmiller Scholar for the 1979 Spring/Summer training period by the Society of American Florists' Endowment (SAFE). The award is a combination of a scholarship award and a career placement for the training period in a branch of floriculture the student is interested in. They are given to promising university floriculture students to give them the opportunity to obtain practical experience before graduation.

\*\*\*\*\*

VEHICLE USERS - Two requests to help us contain the costs of operating the department vehicles. When you need gas, pump your own whenever possible. At the time you're filling the car with gas, check the oil. We have to rely on users for gas, oil and noticing problems between routine maintenance checks. Your help is appreciated.

\*\*\*\*\*

VISITOR - Booker Whatley will be a guest in the department February 15 and 16. Research faculty should arrange a time with Vicky Weise to meet with him if they haven't done so already. His visit is connected with support we have received from the graduate school to recruit minority students. While here he will be giving two seminars, "Effect of Honey Bee Pollination on Yield and Quality of Rabbiteye Blueberry" on Thursday at 2:00 and "Tuskegee Institute Small Farm Study" on Friday at 3:00.

\*\*\*\*\*

POLICY ON CONSULTANTS - The University has revised its policies on individual consultant services. If you anticipate using one or will be writing such an arrangement into a research proposal, please see Linda Olson for the proper forms.

\*\*\*\*\*

VALENTINE PLANT SALE - sponsored by Hort Club, Tuesday, Feb. 13, in Northstar Lounge from 9:00-3:00 p.m.

\*\*\*\*\*

# TWIG-BENDER

Volume 2, Number 7 February 16, 1979 Dept. of Horticultural Science and Land. Arch.

## THIS WEEK - February 19-25

- Monday - Celebrate President's Day at Work!  
- Monday Evening Discussions, 7 p.m.,  
Refuge, Discussion of Prelim Question  
and presentation by Ken Lee  
- Hort Club, 415 AldH, 5:00 supper,  
5:45 program by Vern Lorenzen on  
African Violets
- Wednesday - Seminar, 4 p.m., 415 AldH, Luther  
Waters on "Carbohydrate Distribution  
and Nitrogen Fixation in the bean  
Phaseolus vulgaris L."
- Thursday - Hort Sci Singers, Noon, 310 AldH.
- Sunday - "The Big Lake" Movies at the  
Arboretum, 1:30 p.m.

REMEMBER - Next Week Monday and Tuesday, Feb.  
26 & 27 is Hort Industries Conference

\*\*\*\*\*

RESEARCH HIGHLIGHTS DEADLINE - Research faculty,  
please submit your research highlights by Friday  
February 23 so that we can meet the Experiment  
Station's deadline. Earlier copies of Research  
Benefits are on file in the main office. Please  
see Vicky Weise if you wish to read them.

\*\*\*\*\*

LOST - a brown spiral notebook (8½x11) that was  
in 335 Alderman, containing a list of purchases  
of lab supplies. Please return to Barb Carel or  
Mark Brenner.

\*\*\*\*\*

GRADUATE SCHOOL GENERAL RESEARCH FUNDS - Faculty  
may apply to the graduate school for support of  
research. New faculty establishing research  
programs receive high priority; however, some grants  
are awarded for equipment to be shared or when  
matched by outside funds, others for researchers  
moving into new areas of research. Application  
deadline is March 9. Linda Olson has application  
forms.

\*\*\*\*\*

ASHS - a reminder that March 15 is the deadline  
for receipt of abstracts by ASHS.

\*\*\*\*\*

FACULTY - All Industries Dinner 6:00 p.m. on  
Monday the 26th--have you made your reservation?

\*\*\*\*\*

HORT INDUSTRIES CONFERENCE - University  
students and staff can attend individual  
meetings at the conference without pre-  
registering and paying the conference  
fee. What is requested is that when you  
attend stop at the registration desk in  
the Earle Brown Center, identify your-  
self and indicate which session you'll  
be attending.

\*\*\*\*\*

ASHS PERSONNEL NOTES - We are developin  
material on recent faculty activities  
to send to HortScience. Please give  
Linda Olson any information you would  
like included.

\*\*\*\*\*

ALUMNI NEWSLETTER - This spring will  
mark the mailing of the 3rd Annual Alum  
Newsletter. Your help and suggestions  
for this year's issue would be appre-  
ciated. Please respond to the notice  
asking for alumni addresses. The per-  
sons whose names were included on the  
notice you received are "lost" to us.  
Is there a particular person/event/  
award you would like to see included?  
Drop a note to Linda Olson, newsletter  
writer.

\*\*\*\*\*

HORTUS SPORTUS - Our men's basketball  
team, Hortus Sportus, ended its season  
last night with a dazzling 93-31 victor  
over the stumbling Tx Buffaloes. This  
is a particularly satisfying victory  
since the team has gone winless since  
their first game five weeks ago. The  
team's sentiment was verbalized by  
Mich Hein during an interview in the  
winning locker room last night, "I am  
glad we findly reached our potential."  
Congratulations to all the team members  
who, in their final game, helped in  
their own small way to give the Hort  
Department the reputation it deserves.

\*\*\*\*\*

WANTED - one Torsion balance accurate  
to .01 gms for weighing leaves in the  
field. Any info, please contact  
Dan Goldman, Room 352.

\*\*\*\*\*

# TWIG-BENDER

Vol. 2 Number 7 February 23, 1979

Dept. of Horticultural Science and L.A.

This Week -- February 26-March 4

Monday Horticulture Industries Conference, Earle Brown Center--students and staff welcome to attend, check in at the registration desk there Sessions begin 8:30 a.m.

-Monday evening discussions -- cancelled

-Kermit Olson Lecture 7:30 p.m. Earle Brown Center. Dr. Abraham Halevy of Hebrew University

Tuesday Horticulture Industries Conference, Earle Brown Center. Sessions begin 8:30 a.m.

Wednesday

Seminar, 4:00 p.m., 415 Alderman "Plants of the Bible", Abraham Halevy, 7:30 p.m., Arboretum Auditorium

Thursday Seminar, 2 p.m. 394 Alderman "Effect of Honeybee Pollination on Yield and Quality of Rabbit-eye Blueberry," Booker Whatley

Plant Physiology Seminar, 3:15 p.m. 415 Alderman, "Light as a Factor Controlling Metabolite Allocation for Flower Development," Abraham Halevy

Friday Seminar, 4:00 p.m., 415 Alderman "Tuskegee Institute Small Farm Study," Booker Whatley

Sunday Tall Grass and Trouble, 1:30 p.m. Arboretum Auditorium, Ann Sigford and Dave Johnson

Kermit Olson Lecture --

This year's Kermit Olson Lecture is being given by guest lecturer Dr. Abraham Halevy of Hebrew University. Dr. Halevy's topic is Ancient Gardening in the Bible and the use of Native Plants of Israel in Gardening. The lectureship is supported by an endowment for the estate of the late Kermit Olson who was a graduate of this department and an active horticulturist in the Twin Cities. The lecture will be held on Monday at 7:30 p.m. in the Earle Brown Center. The evening's program also includes the presentation of undergraduate scholarships and awards given by the department. Everyone is invited to attend to recognize the outstanding undergraduate horticulture students as well as to enjoy a lecture by an outstanding horticulturist. Dr. Halevy will be staying with Harold Wilkins during his visit. If you wish to sign up for a time to meet our visitor, see his schedule in Harold's p.o. box in the main office.

Applied Statistics --

Design of Experiments 5-301 is offered Fall and Spring. That department is putting together their teaching schedule and want to know when hort students will be taking the course. Please sign on the clipboard in the main office when you plan to take it.

Pliers and Wires --

If you have used the Barber/Coleman multi-point recorder at anytime in the past, you may want to contact me about its alleged accuracy. It is located in Room 201 next to the Revco freezers. Director of Accuracy Inquisition, D. Olson

H<sub>2</sub>O Watch -- .28 mega ohms

Hort Head Bender -- \*\*\* New Feature \*\*\*

This week we're starting a weekly word challenge to (1) name that plant (2) define that word (3) identify that person by his work. The objective--complete the work on your own, refer to references if necessary. Next week's column will have the answers and a new challenge.

1. dandelion \_\_\_\_\_
2. chickweed \_\_\_\_\_
3. Thomas Andrew Knight:
4. Autotetraploid:

Congratulations --

to Pompimon Surijanantong, who passed her Ph.D. thesis defense this week.

Thanks --

to all faculty and students who have been submitting travel requisitions on time. Your efforts are much appreciated.

Visitor --

Dr. Booker Whatley of Tuskegee Institute whose visit her last week was cancelled, will be here Thursday and Friday, March 1 and 2. Graduate and Research faculty who have not done so already are asked to sign up with Vicky Weise or Mary Badow for a time to visit with Booker.

# TWIG-BENDER

Vol. 2 Number 8 March 2, 1979 Department of Horticultural Science and Land Arch.

## THIS WEEK -- March 5-11

- Monday - Landscape Architecture students parade to State Capitol to meet with legislators.
- Hort Club, 5:00 supper, 5:45 meeting, 415 AldH - Election of Officers.
  - Monday Evening Discussions, this week transformed into Monday Evening Party at the Ozburn's, 8:00 p.m.
- Tuesday - Consultative Committee, 8:15-10:00 am, 398 AldH.
- Lecture by Allan Gussow in Architecture 125, Mpls. Campus, 7:30 p.m.
- Wednesday - "Basics of Home Landscape Design", 7:30 p.m., Arboretum, class by Francis deVos. Call Arboretum to register.
- Thursday - Seminar, 3:45 p.m., 415 AldH, demonstration of safety equipment followed at 4:00 by presentation by Joe Zagorski. NOTE EARLIER TIME.
- Sunday - Presentation on tour of South America by Leon Snyder, 1:30 p.m., Arboretum Auditorium.

**THANK YOU** - Thanks are certainly in order for everyone associated with the Horticulture Industries Conference--those who planned the program, gave presentations, developed displays. The conference was successful, the response to our first attempt to bring diverse groups together at one time was encouraging. The quality of participation was excellent. Thank you.

**WELCOME** - Dr. Joon Ho Kim, an Associate Professor from Kongjoo Teacher's College in Chungnam, Korea, has arrived in the department and will be here for one year. He is presently in Dr. Stadelmann's office, 228 AldH, and can be reached at 3-1013. Dr. Kim's special interest is the physiological properties of ginseng.

**PLIERS AND WIRES** - Second call for any equipment information (i.e. manuals, electrical schematics). It would be to the advantage of any equipment user to have a file in the Hort Shop with electrical and parts diagrams of used (abused) equipment. I can make a copy of your manual and return the original. P.S. Don't forget the Mayslack's tomorrow.

Haystack

**POSTER SESSION** - There will be a Poster Paper Session at the Biology Symposium March 19, 20, 21. Titles of poster papers should be given to Burke Gengenbach in Agronomy by March 9.

**HORT HEADBENDER** - The answers you've all been waiting for. Dandelion - *Teraxacum officienale*, Common Chickweed - *Stellaria media*. Thomas Andrew McKnight--the English (18th & 19th century) father of plant physiology of whom there is a bust in 398 AldH, Autotetraploid-tetraploid with similar sets of chromosomes. How was your score? One question this week. What is the scientific name for Morning Glory? Ideas for future challenges are welcome. Submit to editor.

**REMINDER** - ASHS abstracts must be received at ASHS by March 15.

**PI ALPHA XI** - The annual initiation banquet was held last night. Peter Olin was the featured (and excellent) speaker. The following students were initiated: Steve Janusz, Sue Wiegrefe, Brent Pember ton, Jim Henrich and David Patsche. Congratulations!

**VISITOR** - Alan Gussow, artist and Vice President of Friends of the Earth is visiting the department on Monday, Tuesday, Wednesday, and Saturday. He will be participating in the Landscape Architecture pyramid project in experiencing a sense of place. The project's final jury is on Saturday noon. His public lecture will be given Tuesday evening. See posters in Alderman for more detail.

**WORKSHOP** - Food Processor's Workshop in Waseca, Wednesday, March 21, a one-day workshop, registration is \$8.00 including lunch. See Luke Waters for details.

**WORK STUDY PROGRAM** - We have received notice that no work between June 10 and June 30 will be paid by the Work Study Program. If you are able to carry your Work Study student on your own payroll for that period of time, please inform Pat Hencir because we must request a new document for that student. Because of fund shortages no new Work Study postings are being accepted. Only jobs for July 1 and after will be considered and it is too early to post them at this time.

**LAB SAFETY** - Lab safety course will be offered by Department of Environmental Health and Safety on Tuesday afternoons in March. Topics are toxic chemicals March 6, biohazard containment March 13, physical safety March 20, and fire prevention and control March 27. Sessions will be at 3 p.m. in Boynton Health Service N-101. Interested persons may attend any or all of the sessions. Call 373-3167.

**FLORAL DISPLAYS** - Jan Petersen, a hort undergrad, created the floral displays for the Dorothy Benham T.V. special tonight, 8:30 p.m., Channel 5.

**REMINDER** - If you get a 'misfeed' while making photocopies, please do not try to fix it yourself. See Virginia Dahm for assistance. Also, personal photocopies can be made for 6¢/copy.





# TWIG-BENDER

Vol. 2 Number 9 March 9, 1979 Department of Horticultural Science & Landscape Arch.

## THIS WEEK -- March 12-18

- Tuesday - Staff Meeting, 8:15-10:00 a.m., 394 AldH; Extension Staff Meeting, 10:00 a.m.-noon, 394 AldH.
- Wednesday - "The Culture of Garden Roses" by Tom Jones, 1:00 and 7:30 p.m., Arboretum, call 443-2460 to register.

## HAPPY ANNIVERSARY TWIGGY!

Yes, loyal readership, it was a mere year and 3 days ago when the first green sheet was issued. It was titled "Weeds and Seeds" that week. Titles varied until a contest marked by inspired entries led a brisk and brilliant (and anonymous) committee to choose "Twig Bender". During the year the information in the paper has covered a variety of topics. To quote from last year's first issue, this weekly paper is intended "To provide a periodic and accessible source of useful information and reminders of department events. To communicate on some matters not usually covered in the current memos and postings." Another point made then is still important--"This newsletter belongs to all of us. It is meant to be useful and communicate what you would like to see communicated in the department. Suggestions are willingly accepted." As for me, it's been fun to be a part of putting Twiggy together and to see it be a useful communication device. Please continue to contribute ideas, information, suggestions. They have been very much appreciated and helped to make this green gazette the fine news sheet it is. Thank you.

Old L. Olson, editor

WATER WORKS: .29 mega ohms

## PLIERS AND WIRES

Temp Sooth Says: Soon there will appear a magical machine to take care of monitoring growth chamber temps in Rm. 201. But in order that this new system may be implemented successfully, the chamber "in use" forms must be filled out with photoperiod, day-night temps and also max & min allowance temps, so that proper alarm may be sounded. This info must not be telepathic, but in writing.

P.S. Congratulations to the Mayslack health nuts. Oh, by the way, ask Deb Brown if you may see her garlic--Mayslack did.

NEEDED - Abstract forms for ASHS meeting. If you have extras please give to H. F. Wilkins by Monday.

## CONGRATULATIONS

- to Bob Lyons who passed his Master's Final Oral on Monday, March 5.
- to Dennis Stimart who has accepted a position of Assistant Professor in ornamentals and floriculture at the University of Maryland. His new position involves both teaching and research.
- to the new Hort Club officers for 1979-80 elected on March 5:
  - President - Jim Axt
  - Vice President - Sue Jorgensen
  - Secretary - Sue Lawrence
  - Treasurer - Kathy Eisentrager
- to the graduating seniors honored at last night's ceremonies.

CORRECTION - Dr. Kim was welcomed in last week's edition is a Professor at Seoul National University in Korea. His position was announced incorrectly.

HORT HEADBENDER - Thanks for the suggestions received so far. The answer to last week's column is Ipomea purpurea - can you reconstruct the question? The new challenge--Who was David Fairchild? What is the scientific name for sweet gum?

## UPCOMING EVENTS:

- "Emergent Techniques for the Genetic Improvement of Crops," Symposium in B45 COB, St. Paul Campus, March 19-21.
- Leon Snyder's talk on the South American trip sponsored by the Arboretum will be given at 1:30 p.m. on Sunday, March 25.

IT'S A WIDE WORLD! Have you a polished passport all ready to take you places? Do you have an interest in international agriculture? Do you want to see how horticulture is practiced in other countries? We have a new resource in the main office, a bright yellow notebook "Job Opportunities Abroad" with information on both jobs and travel in other countries. Come and see what's available.

HELP - We are missing 48 ft of ½" x 1/8" dia tubing that Chem Storehouse says was delivered in the last month or so. It is either black or poly (surgical type) (they couldn't decide which). Could you have picked it up accidentally? Contact P. Read or C. Carlson in Rm. 435. Thanks.

# TWIG-BENDEK

Vol. 2 Number 10 . March 16, 1979

Department of Horticultural Science and Land. Arch.

THIS WEEK -- March 19-25

## Quarter Break

- Monday - Symposium, COB  
Tuesday - Symposium, COB  
Wednesday - "Freesia Culture and Physiology,"  
Terry Ferriss, 1:00 p.m., Hort  
Headhouse Classroom  
- Symposium, COB  
- "Selecting Trees" by Mike Zins,  
1:00 and 7:30 p.m., Arboretum,  
call 443-2460 to register  
Friday - Dancing at Snail Lake Club - joint  
effort by Horticulture & Textiles  
& Clothing departments.  
Sunday - Tour of So. America by L. Snyder,  
1:30 p.m., Arboretum Auditorium

DEPARTMENT VISITOR - James O. Garner from Mississippi State will be here Thursday and Friday the 22nd and 23rd. He is here to become acquainted with our graduate program. Research and graduate faculty are urged to see Vicky Weise and sign up for a time to meet with Dr. Garner.

GRANTS AVAILABLE - An announcement has been received concerning funds for seed research. The American Seed Research Foundation will be awarding 4 or 5 grants of not more than \$3,500-\$4,500 annually for work of three years duration or less. The grants must be received by the agency no later than April 15. See Linda Olson if you want more information.

TRAINING SESSION - Terry Ferriss will be giving a three-hour growers training session on Freesia Culture and Physiology on Tuesday March 20 at 1:00 p.m. in the Hort Headhouse Classroom. Everyone is welcome.

QUOTE OF THE WEEK - "Beward the ides of March when the west wind begins. It is so strong, indeed, that it impregnates even the mares in Spain." C. P. Plinius, A.D. 65

HORT HEADBENDER - Last week's question, "Who was David Fairchild?" prompted one reader to respond, "Drs. Davis and Koranski many years ago (in the eyes of their mothers)." Good try, reader. The answer--he was an early plant explorer for the USDA who brought back tropical and sub-tropical fruits, etc. The scientific name for sweet gum is Liquidambar styraciflua. For this week, some questions designed to help you THINK WARM! What is the scientific name for coconut palm? (Bonus question) What is the name of the organism responsible for wiping out the coconut palm? What is the scientific name for vanilla orchid?

PLIERS AND WIRES - Don't go near the water, or to be more accurate, don't get large quantities of water in the growth chambers. There have been occasions when I have been called upon to administer "the last rites" to a person's pet growth chamber that has unexpectedly taken a turn for the worse. Upon inspection it is found that said person, in the name of cleanliness, has washed out the chamber interior. This act, in itself, may not be inadvisable but many of these chambers have had such a quantity of debris inside as to clog the small drain in the bottom. Therefore, please vacuum or sweep out as much of this animal, vegetable or mineral deposit as possible, then use water sparingly. Be sure you know where the drain is, that it remains unclogged during the complete cleaning operation.

Head Chamber Maid: D. J. Olson

P.S. A chamber is too dirty if it only holds half the number of pots that is used to

## SYMPOSIUM EMERGENT TECHNIQUES FOR THE GENETIC IMPROVEMENT OF CROPS

Monday Session, 9 a.m. - Potentials and Needs, Gary Strobel, Montana State Univ.; D.N. Duvick & Roger Kleese, Pioneer Hi-Bred Int'l, Johnston, Iowa; 2 p.m. - Genome Organization & Function, W.F. Thompson & M.G. Murray, Carnegie Institution; Lee McIntoch, Harvard Univ.

Tuesday Session, 9 a.m. - Recombinant DNA; The Technology and Its Applications, John Bedbrook, Cambridge, England; R.P. Lifton, Stanford Univ. School of Medicine; 2 p.m. - Gene Transfer and Expression, Kevin Struhl, Stanford Univ. School of Medicine; Mary-Dell Chilton, Univ. of Washington.

Wednesday Session, 9 a.m. - Organelle Transfer, Howard Bonnett, Univ. of Oregon; Raghbir S. Athwal, New Jersey School of Medicine; 2 p.m. - Tissue Culture, Jim Shepard, Kansas State Univ.; Fredrick Meins, Univ. of Illinois.

General registration for the symposium will be held Monday morning. If you wish to attend all sessions you may register then. You are also invited to attend whatever individual sessions you choose, however, no registration required.

CIVIL SERVICE PERSONNEL - Please submit your nominations for the Hort & L.A. rep to the College of Agriculture Civil Service Advisory Council to Angie Klidzejs by 4:30 on Wednesday, March 21st.

WATER WORKS - .26 mega ohms

# TWIG-BENDER

Vol. 2 Number 11, March 23, 1979

Department of Horticultural Science & Land. Arch.

## THIS WEEK -- March 26-April 1

### FIRST WEEK OF CLASSES

- Monday - Prelim Question available for writing during the day.
- Hort 8041, special class meeting, 4:00 p.m., 394 AldH.
  - Monday Night Discussions, 7:00 p.m., Refuge, presentation by Mike Dana.
- Wednes. - "Vegetable Gardening", 1:30 and 7:30 p.m. at the Arboretum by Orrin Turnquist, call 443-2778 for reservations.

WATER WORKS: .28 mega ohms

HORT HEADBENDER: The answers to last week's questions--the scientific name for coconut palm is Cocos nucifera which is currently under heavy attack from coconut yellows, a mycoplasma disease. The scientific name for vanilla orchid is Vanilla fragrans. The thinking warm exercise seems to have helped, but I really meant warm without snow. This week's questions: Who was John Bartram? What is ectomycorrhizae? What is the scientific name for Russian olive?

CORRESPONDENCE RECEIVED: "To our friends in horticulture from Prof. and Kay Alderman. We have certainly enjoyed having the Twig Bender and do appreciate being on the mailing list. Many thanks!

While it has been many years since I was active on the St. Paul campus and involved in the department of horticulture activities I still maintain an active interest in the affairs of the department. It has made great progress over the years and we can all be very proud of its record.

We are enjoying the lifestyle and mild climate of Southern California. This winter while we were in Laguna Beach for a couple of months we had several very welcome visitors from Minnesota. Keep us in mind if you should come to this area. Our best wishes always. W. H. Alderman."

PRELIM QUESTION: Graduate students can write a prelim question on Monday the 26th. Vicky Weise has the question and booklets. Rooms 394 and 398 will be available as places to write.

North Central Cannery Society for Quality Control, 2nd Annual Meeting, 3/27/79, 'Hotel de France--see Luke Waters for details.

CONGRATULATIONS to the Landscape Arch. Program! They have received a grant of \$10,000 from the National Endowment for the Arts for "Architecture Planning and Design: Design Communication and Research." The goals of the grant include increasing the dialogue between decisions makers in the St. Croix Valley and the general public, to present information about the valley, demonstrate how the information can be used as part of a planning process, and develop proposals for change. We will be working with the University of Wisconsin on this grant.

WELCOME to Athan Economou who has just arrived to begin graduate studies in the department. Paul Read is his advisor.

DANCING TONIGHT! Here's your chance to dance away the dampening effects of today's snowfall. This is a joint effort between our department and Textiles and Clothing in nearby McNeal Hall to celebrate spring. Directions: North on Snelling. When travel on Snelling offers 694 or keep to the right and travel on Hamline, take the latter. Right (east) at County Road F which becomes Snail Lake Road at the intersection of F and Victoria. Follow Snail Lake Road to the east side of the lake where the club is located. Come at 8:00 p.m. The music is good--walses, two steps, polkas and schottiches. Beer, wine, and set ups for your own spirits are sold at the club.

PHONE BOOKS AVAILABLE - Extra new Mpls. Yellow Pages books are available in the Alderman Main Office.

UPCOMING EVENTS - Get ready! Department Food Extravaganza with an International Theme. Foreign students will bring dishes from their home countries, American dwellers are asked to get inventive and dig into their own ethnic backgrounds and come up with something interesting. (Those with boring ethnic possibilities are urged to be creative.) The date: Friday evening, April 6. The place: Midland Grove party room (Sharon Desborough's place). More details to come.

THEFT - Shirley Munson's wallet was stolen in Alderman Hall on Monday of this week. If you have something stolen let Linda Olson know and report the theft to Univ. Police right away.

# TWIG-BENDER

Vol. 2 No. 12 March 30, 1979 Dept. of Horticultural Science & Landscape Arch.

## THIS WEEK -- April 2-8

- Monday - Title XII Bean Meeting, 394 AldH.  
- Joint Seminar, Soil Science and Plant Physiology Program, 3:00 p.m. 58 BioScience Ctr., Dr. R. Scott Russell.  
- Monday Evening Discussions, 7:00 p.m. Refuge, presentation by Chuck Brun.
- Tuesday - Consultative Committee, 8:15-10:00, 398 AldH.  
- College Assembly, SPECIAL MEETING, 3:15 p.m., B45, COB.
- Wednesday - Seminar, 4:00 p.m., 415 AldH, presentation by Vicky Peiper.  
- Wildflower Photography by Jim LaVigne 1:30 and 7:30 p.m., Arboretum, call 443-2460 to register.
- Friday - Food Extravaganza, superb department potluck, 7:30 p.m., Midland Grove party room.

FOR YOUR CALENDAR - We have received dates for the Staples AVTI/University of Minn. Field Days. They are: Small Grain and Forages Field Day, 10:00 a.m., July 13; Horticulture Twilight Tour, 6:30 p.m., July 24; Irrigation Field Day, 10:00 a.m., August 16; Winter Crops & Irrigation Forum 10:00 a.m., February 12 (1980).

CLINIC QUOTE OF THE WEEK - "We bought 40 acres in Inver Grove Heights. 8 acres are covered with old apple trees. Old varieties, you know, like Roman Meal and Dutch Mealies . . ."

SMALL GRANTS PROGRAM - Proposals are invited by the Council on Liberal Education for educational development efforts. Up to \$60,000 will be committed at this time for academic 1979-80. Proposals are due by April 30. See Linda Olson for more details.

WELCOME - to David Bedford who begins his work at the Hort Research Center on April 2. David and his wife, Shilon, have come to the Twin Cities from Fort Collins where he has been a graduate student at Colorado State University.

CONGRATULATIONS - to Pam Myers-Strangis, Sr. Lab Technician, who has been elected the department representative to the College of Agriculture Civil Service Committee. Dick Wenkel, Assistant Scientist, is our alternate representative.

SCHOLARSHIPS AWARDED - Two undergraduates have recently received awards from the International Study and Travel Center. Lori Johnson, a sophomore, who will study Norwegian fruit and vegetable production, handling and storage at the University of Norway during the 1979-80 academic year & Dan Solien, an LA junior, will be doing an independent study project related to the use of waterfront areas in Europe during Fall Quarter 1979. Congratulations, Lori and Dan!

DEPARTMENT PARTY - Have you responded to Dick Rideout yet? He reports low response so far. A tasty and entertaining dinner is planned for Friday evening. Please let him know what you can bring.

CONGRATULATIONS - to Keith Huston who will assume a new set of duties on July 1. He will be Regional Director for the North Central Agricultural Experiment Stations. He leaves here having served for several years as Director of the University Experiment Station. He will be moving to Wooster, Ohio.

MAIL ORDER FIRM SUED - We recently received a newspaper clipping announcing American Consumer, Inc. in Philadelphia had paid a penalty and agreed to stop false advertising of such items as coffee and banana trees. The company boasted of remarkable trees and shrubs. The successful suit was filed by the Minnesota attorney general's office and the State Consumer Services Division. Several faculty had written letters about the firm's practices.

WATER WATCH - .27 mega ohms

URGENT - The fiscal year is drawing to a close and we need your cooperation. 1) Please verify your budget numbers with Pat. If you have one you've been using throughout the year, please see Pat. Many accounts are now closed and you may need to use another one. 2) Planning to use a bus for a class trip this term? Let Angie know now what your approximate needs will be even if you haven't settled on a date. Thanks very much.

HORT HEADBENDER - Last week's answers: John Bartram (1699-1777) was a plant explorer, collector and founder of the first U.S. botanic garden, Bartram's Gardens, Philadelphia, PA. Ectomycorrhizae is a symbiotic association between certain species of fungi and the roots of certain woody plants consisting of an exterior mantle of mycelium surrounding the root and a mycelial net permeating the cortical cells. The scientific name for Russian olive is Elaeagnus angustifolius. Question(s) for this week: Who were Caius Plinius Secundus, Marcus Porcius Cato and Marcus Terentius Verro?

PARENTS - Do you know where your schematics are? As concerned electronic and scientific equipment owners and operators, you should be able to lay your hands on all pertinent information that would help set your equipment straight in time of stress and trouble. In a recent case of a wayward multipoint recorder, the owners were caused much delay (2 months) anguish and loss of money due to lack of information. This time it cost about \$75.00 to get information that was originally supplied with the unit. Can you imagine how much pizza and beer that sum would fetch? At any rate, be sure you can find the information when you need it or better yet, bring it into the shop and I will copy and file under University of Minnesota property number.  
Equipment Planning Advisor,  
D. J. Olson

# TWIG-BENDER

Vol. 2 No. 13 April 6, 1979

Dept. of Horticultural Science & Landscape Arch.

## THIS WEEK - April 9-15

- Monday - Monday Night Discussions, 7:00 pm, Refuge, Discussions of pre-lim question
- Tuesday - Staff Meeting, 8:15-10:00 am, 394 AldH  
- Extension Staff Meeting, 10:15-noon, 394 AldH.
- Wednesday - Floriculture Discussion, 12 noon, 398 AldH, Will Healy  
- Tests for Minnesota Licenses for Pesticide Applicators, 1:00-4:00 pm 120 CofH.  
- Seminar, 4:00 pm, 415 AldH, Mohammed Achaboun  
- "Hardy Cacti and Succulents", Grace Stokes, Arboretum, 1:30 and 7:30 pm, call 443-2460 to register.
- FUTURE EVENT - Faculty Retreat, May 1, 3-10 pm, at the Arboretum.

CONGRATULATIONS to Sue Wiegrefe who has been awarded a traineeship to work in a nursery in Hanover, Germany, this summer.

WARNING - Parking in the area of the Hort Greenhouse is being closely monitored. Do not park in the area reserved for University cars. Help keep meter persons from being overworked.

WATER WATCH - Unfortunately there's no distilled water to watch today. The still is down but, even as this paper goes to press, repairs have begun. The dishwasher has been shut off until the still is functional again.

CONGRATULATIONS to Lora Veidel, undergraduate Hort and Ag. Engineering major. Lora has been selected to participate in the Longwood Gardens Summer Laboratory of Ornamental Horticulture, a 10-week work/study opportunity to study temperate and tropical plant materials. Competition for this program is keen, and Lora is the first successful applicant from our department in several years.

FACULTY - A reminder to return to the College of Ag. Faculty Consultative Committee your indication of interest to serve on Standing Assembly Committees or your nomination of colleagues for the same. The College office wants these returned on Monday, April 9.

Though not recognized as holidays by the University, both Passover and Easter occur this week. Happy Holidays to those who celebrate these festivals.

STUDENT GARDEN PLOTS - It's that time of year, and eligible persons (students who are Horticulture or Landscape Architecture majors) should see John Preece, Rm. 440, phone 3-1219. New wrinkles this year: a \$15 deposit is required, and each gardener will be assigned a bean cultivar on which data must be collected. If the plot is kept clean the deposit will be returned at the end of the season.

THIEVERY - Alderman Hall has been the site of several thefts in the last few weeks. Please lock up your valuables. Don't leave your office door open even when you leave for short periods of time. A closed door will discourage people from wandering in. If you do believe something's been stolen please tell Linda Olson and call the campus police immediately.

TESTS - PESTICIDE APPLICATORS - Wednesday the 11th has been set for these tests. The test being given now will qualify those new people who pass the test for the 1979 season and by application will also qualify them for the 1980 season. If you wish to take tests call Suzie or Debbie at Plant Pathology (3-0937).

U.S. SAVINGS BONDS - It is possible for you as an employee of the University to purchase United States Savings Bonds by payroll deduction. Department canvassers for this year's drive are Darleen Ulrich, Linda Olson and Mary Bandow. You'll be hearing from them in the next few weeks.

HORT HEADBENDER - The gentlemen listed last week, Caius Plinius Secundus, Marcus Porcius Cato and Marcus Terentius Verro were Roman authors on agriculture and horticulture. The first of the three observed that the emperor Caligula, when sitting in a tree, added greatly to the shade cast therefrom. For next week: What are the scientific names for kentucky bluegrass and the classes of conifers, flowering plants and ferns?

PARTY TONIGHT! Don't forget the pot luck pot pourri at 7:30 in the Midland Grove party room. Bring your musical instrument. Ovens available for heating dishes.

# TWIG-BENDER

Vol. 2 No. 14 April 13, 1979 Dept. of Horticultural Science & Landscape Architecture

## THIS WEEK - April 16-22

- Monday - Monday Night Discussions, 7:00 pm, Refuge, presentation by Brent Pemberton
- Tuesday - Brown Bag Slide Presentation, 12:00 noon, 394 AldH, Mando Shehata presenting slides and comments on the California Vegetable Seed Industry
- Wednesday - Floriculture Discussion, 12:00 noon, 398 AldH, W. Koukkari on Sensitivity of Plants to External Agents and Rhythms
- Seminar, 4:00 p.m., 415 AldH. Neil McHale, "Germ Plasm Utilization in Solanum tuberosum".
  - "Pests in the Yard and Garden", Mark Ascerno, 1:30 and 7:30 p.m., Arboretum, call 443-2460 to register.
- Thursday-Saturday - MACHS Mid America Collegiate Horticultural Societies meeting in Columbia, Missouri. Several undergraduates and Jim Ozbun will be attending.

## Coming Up On Your Calendar

- April 23 & 24 - Future Farmers of America on campus
- May 1 - Faculty Retreat
- May 4 - Luncheon for graduating seniors
- May 5 - Another evening of dancing, Snail Lake Club
- May 10 - Clean Up Day

HORT HORRORS - Coming from behind at 5-0, Hort Horrors bats began to boom. When the dust cleared our team had won 13-9! Though the first game of the year last night, the Horrors were in fine midseason form and dominated the game.

THANKS to the Social Committee who did a super job arranging the successful party last week. The food and company were superb. Special thanks to Sharon Desborough for making her party room available.

WATER WORKS - .28 mega ohms

PAX MEMBERS - A majority of Pax members voted to let Dr. Mullin and his Plant Materials class use the two small gardens between Alderman and Hodson Halls.

HORT HEADBENDER - The answers to last week's questions: kentucky bluegrass, Poa pratensis; conifers, Gymnospermae; flowering plants, Angiospermae; ferns, Filicineae. At the moment there are no questions for next week. I am calling at least a momentary halt to the production of H H and would welcome reader response on what the future of the column should be. Indirect feedback has not been strong enough to warrant continuation of this feature on a regular basis. I would appreciate your comments. L. Olson, ed.

THEFTS, cont. As you know several people have had items stolen in the last few weeks. Carol Carlson's wallet and checkbook were taken on Tuesday afternoon, April 3. The police have provided pictures from which Carol has identified 2 suspects. The police will be here again on Tuesday the 16th at 1:00 p.m. in 435 with the pictures. The description of the suspects is 2 young men approximately 6' tall with shoulder length hair, one blond and one red head. If you have seen anyone of that description in the building at any time recently, but particularly the 3rd, please make a point of seeing the pictures. If the time on Tuesday is not a possibility, see Carol Carlson who will make other arrangements with you.

SECURITY - The recent thefts make a general reminder on security worthwhile. Alderman Hall can be fairly well secured if doors are properly locked. Please do your part to secure the areas you have keys for. Some parts of the building remain accessible almost all the time, however. If you do see people unknown to you in places you feel are unusual, ask what they need or who they're trying to see, etc. If you feel strongly it's a suspicious situation you may call the campus police directly. They have been most cooperative and willing to help us deal with security problems.

MISSING - the portable projector screen. Please return it to the workroom in the main office. Thanks!

# TWIG-BENDER

Vol. 2 No. 15 April 20, 1979 Dept. of Horticultural Science & Landscape Architecture

THIS WEEK - April 23-29

## NATIONAL SECRETARY'S WEEK

- Monday - Hort Club, 5:00 pm, 415 AldH.  
- Monday Evening Discussions, 7:00 pm, Refuge, Presentation by Steve Grier.
- Tuesday - Future Farmers of America tour of greenhouse, 9:00 am.
- Wednesday - Floriculture Discussion, 12 noon, 398 AldH, Mark Brenner leading discussions on selected HortSci articles.  
- Seminar, 4:00 pm, 415 AldH, presentation by Lola Frederickson  
- "Annuals in the Garden" by Mike Heger, 1:30 and 7:30 pm at the Arboretum, call 443-2460 to register.
- Thursday - Hort Horrors vs. Son of Sulfide, 7:30 pm, Como 3 field.

UPCOMING MAY EVENTS: May 1, Faculty Retreat; May 4, Luncheon for graduating seniors; May 5, Dancing at Snail Lake Club; May 10, Clean Up Day.

U.S. SAVINGS BONDS - Monday, April 30, is the last day of the US Savings Bonds Campaign. The University of Minnesota ranks 5th in bond sales among universities and colleges in the country. Bonds can conveniently be bought by authorizing payroll deductions. Department canvassers are Mary Bandow, Darleen Ulrich and Linda Olson.

FUTURE FARMERS OF AMERICA - FFA will be on campus Sunday through Tuesday noon April 22-24. Sunday afternoon Bob Mullin will be representing the department in the Earle Brown Center to give FFA members a chance to get information about horticulture and landscape architecture. John Preece will be leading a tour of the greenhouse on Tuesday morning.

SECURITY - Once again a request relating to security. It has been noted both in the evening and on weekends that the door in the 4th floor hallway is left ajar. The door must be kept closed and locked. Allowing people passage through that door gives them access to all floors of the building. Please help by keeping that door locked.

MISSING BOOKS- Whoever borrowed HFW's two books on greenhouse management by Mastalerz and Nelson, please return them!

WILD WORLD OF SPORTS - Did you know we are represented by not one, but two outstanding teams? The Runner Beens (remember their fall season?) soccer team started the season auspiciously by defeating Mad Dogs 2-0. Revenge was sweet since the Beens had lost to the Dogs in fall quarter playoffs. This week the Hort Horrors went down to defeat 10-5, but they have a game Thursday evening.

CONGRATULATIONS to John Preece and Dick Veilleux who passed their PhD Oral Prelim Exams this week.

ISWOP - The International Student Work Opportunity Program has solicited us for names of international students we wish to employ in the coming year and jobs we may have for them. Students must be eligible for financial aid through the Office of Student Financial Aid. Questions? See L. Olson.

OF SPECIAL INTEREST TO WOMEN - Tomorrow there is a conference on University Women in International Development at the Earle Brown Center.

## BUREAUCRATIC CALORIE COUNTER

Jogging your memory.....	125
Beating around the bush.....	75
Climbing the walls.....	150
Passing the buck.....	25
Throwing your weight around.....	50-300
Wading through paperwork.....	250
Sticking your neck out.....	175
Chewing nails.....	200
Dragging your heels.....	100
Pushing your luck.....	250
Climbing the ladder of success.....	750
Making mountains out of molehills.....	500
Wrapping it up at day's end.....	12



# TWIG-BENDER

Vol. 2 No. 16 April 27, 1979  
305 Alderman Hall, St. Paul, MN

Department of Horticultural Science and Landscape Arch.  
Editor: Linda Olson

## THIS WEEK April 30-May 6

- Monday - Prelim Question: can be written during the day, get question from Vicky Weise  
- Monday Evening Discussions, 7 p.m., Refuge, presentation by Anggoro Permadi
- Tuesday - Consultative Committee, 8:15 a.m., 398 AldH.  
- Faculty Retreat, 2-10 p.m., Arboretum
- Wednesday - Floriculture Discussion, 12 noon, Mich Hein on "Control Mechanisms of Branching"  
- Seminar, 4:00 p.m., 415 AldH, presentation by Vicky Peiper  
- "Perennials in the Garden," Mike Heger, 1:30 and 7:30 p.m., Arboretum, call 443-2460 to register.
- Saturday - Spring Plant Sale at Arboretum open to the public at 12 noon.  
- Dancing at Snail Lake Club
- Sunday - "Tall Grass and Trouble" by Ann Sigford and Dave Johnson, 1:30 p.m. Arboretum Auditorium (rescheduled from March 4).

CLEAN UP DAY - It's that time again. This year we've set aside the afternoon of May 10 to improve the surroundings of Alderman Hall. Wear your work duds and be ready for some work and fun. Unlike last year there are no major planting projects planned.

PLANT A TREE - Have you won a plant yet? Wear your pin and you have a chance of receiving a small plant with your name included in the drawing for a large houseplant. It's all part of the St. Paul Campus Improvement Fund.



GARDEN PLOTS - Those who have a plot should give their deposit to Vicky Weise. You may not plant until your deposit is paid. The gardens will be ready for planting early in the week. If you have questions, see John Preece.

SPORTS CAVALCADE - The amazing Runner Beens report a victorious season with 2 games played to date. Their next game is Tuesday May 1 at 6:00 p.m. on the St. Paul field. Our mens soccer team, the Hort Academicals, opened last night with a real thriller. The team made up in brute strength what they may have lacked in finesse. Thanks to the superb goal keeping of O.Q. Lindstrom and the sharp toe of M.B. Hein in front of the net, the Academicals drew a strong tie, 1-1

NEED FIREWOOD? See Mary Stuart who has some available.

U.S. SAVINGS BONDS drive ends April 30, but you may still buy bonds through May as part of this year's campaign.

CONGRATULATIONS to Margaret Litzow who was married on April 13 to Ron Svehla.

### THANKS!

The lunches were delicious, the roses divine; The fruit was nutritious, and so the bottom line

Is a huge "Thank you"

For a Secretary's Week that was anything but bleak!

CONGRATULATIONS to Joe Zagorski who passed his final Master's exam this morning.

WATSON REPORT - A copy of the "Report of the Select Committee on Planning, Decision-making and Consultation at the University of Minnesota" chaired by Dennis W. Watson is available in the main office for anyone wishing to receive it.

HORT CLUB MEMBERS RETURN FROM MACHS - The MACHS convention last week was a chance for us to warm up, see green grass, meet other hort students and learn about horticulture in Missouri. Some of the things we saw were the Missouri Botanical Gardens, Missouri's floriculture business from seed to sale and the Univ. of Missouri's research farms and facilities. Everybody had a great, but exhausting time. We're already looking forward to next year's convention in South Dakota. MACH's members elected Jim Axt president for the coming year. Congratulations, Jim, we're all proud of you!  
Hort Club Members

WATER WATCH: .25 mega ohms



# TWIG-BENDER

Vol. 2 No. 17 May 4, 1979 Dept. of Horticultural Science & Landscape Architecture  
305 Alderman Hall, St. Paul, MN Editor: Linda Olson

## THIS WEEK - May 7-13

- Mon. - Monday Evening Discussions, 7:00 pm  
Refuge, presentation by Winarno.
- Tues - Staff Meeting, 8:15-10:00 am, 394  
Alderman  
- Extension Staff Meeting, 10:00-  
noon, 394 Alderman.
- Wed. - Graduate Student Elections.  
- Floriculture Discussion, 12:00 noon,  
398 Alderman.  
- Seminar, 4:00 pm, 415 AldH. John  
Bland on Comparisons in Ontogeny of  
Long and Short Shoots in McIntosh  
Apple.  
- "Home Wine Making", Pat Pierquet,  
1:30 and 7:30 pm, Arboretum, call  
443-2460 to register.
- Thurs - Dogwood Moving Morning followed by  
Clean Up Afternoon - details in  
article.
- Fri. - Day in Which Those Who Worked  
Yesterday are Held in High Esteem  
- DEADLINE for MEMIS reports. Submit  
them to Martha Cooper
- Sat - Daffodil Society of Minnesota
- Sun. - Flower Show, 11:30 am - 4:30 pm,  
Arboretum Auditorium

HORT CLUB VISITORS - On Saturday afternoon  
April 28 the Horticulture Club from the  
University of Wisconsin, River Falls,  
visited the campus for a tour of our facil-  
ities and a discussion of mutual interests.

SOIL SCIENCE RATE INCREASE - A notice has  
been received from the Research Analytical  
Laboratory in Soil Science. The new ICP  
rates for prepared samples will go to \$1.50  
and water samples to \$2.50. Both these  
rates apply to Experiment Station budgets.

PRELIM QUESTION - The question written on  
April 30 was "What is a chimera? Describe,  
anatomically, the several types of chimeras  
and their origin and discuss the methods re-  
quired for propagation of each."

GRAD STUDENT ELECTIONS - Now that the matter  
of the Prime Minister has been settled, the  
grad students are ready to elect their repre-  
sentatives. Election day will be Wednesday.  
The candidates are as follows:

President - Tom Kosier, Orville Lindstrom  
GSC - Marikis Alvarez, Mike Dana, S. Garton,  
WTTI Healy, Emily Hoover, Neil McHale,  
Brent Pemberton, Arthur Peterson, Winarno  
COGS - Joe Zagorski

Faculty Meetings - Beth Bray, Bruce Garley,  
Steve Ruce.

Social Committee - Mich Hein

Seminar Committee - Wayne Brown, Dan Goldman,  
Loren Stephens

Questions should be referred to John Preece.

WATER WATCH - .26 mega ohms.

GRAND GROUND ROUNDER - Today is the date  
of a particularly festive Ground Rounder  
designed to celebrate the successful  
rites of passage of several graduate  
students: exams passed by Denny Stimart,  
Rita Hummel, Neil McHale, exams written  
by Marilyn Griffith, Beth Bray, Orville  
Lindstrom, acceptance to PhD program for  
Jim Henrich. Celebrating begins at 4:00  
p.m. and continues and continues at the  
Ground Round at Har Mar Mall. All are in-  
vited.

THIS WEEK AT STUDENT CENTER - There are  
noon programs every day at the Center.  
Check the department bulletin board and  
notices at the Center for details.

WELCOME - to Dr. Paul Terry from the  
USDA Plant Hormone Research Lab at Belts-  
ville, MD. He is here to learn HPLC  
techniques in Mark Brenner's lab.

CONGRATULATIONS to Rita Hummel, Neil  
McHale, and Dr. Denny Stimart for exams  
passed this week.

ARTICLE - Yes this is the time for Clean  
Up Day. This year the activities will  
take place in the afternoon. The work  
sites are 1) Mighty Mulching of front  
shrubs captained by Laura Dawe, 2)  
Greening of the Ground near Soils cap-  
tained by Pete Ascher, 3) Cleaning of the  
Cluttered Woods captained by Linda Olson.  
Feel free to volunteer to particular  
captains. They may also be contacting  
you. For a warm up morning activity is  
offered in the dogwood patch. The dog-  
woods are being moved and Larry Parsons  
would welcome some help. See him for  
details. Workers can meet at the green-  
house at 8:30 a.m.

IN HOSPITAL - Lola Frederickson is in  
University Hospitals on Station 47 with  
a literally aching back, but seems to be  
recovering.

LOST - One large manilla envelope with  
Japanese seed catalogs enclosed. Please  
return to H. F. Wilkins or W. Healy.

RUNNER BEENS - On a rather wet and  
sticky May Day the amazing Runner Beens  
were again triumphant in their third  
game of the current season. They have  
now completed the round robin and have  
emerged division leaders with three  
wins and no losses. The Beens will now  
move through to the playoffs where we  
hope they will maintain their current  
form. Good luck Beens.



ST. PAUL CAMPUS IMPROVEMENT FUND - Please return your pledge  
card to Carol Carlson, Pete Ascher, John Carter, Dick  
Rideout, or Linda Olson.

# TWIG-BENDER

Vol. 2 No. 18 May 11, 1979  
305 Alderman Hall, St. Paul, MN

Dept. of Horticultural Science & Landscape Architecture  
Editor: Linda Olson

## THIS WEEK - May 14-20

- Mon. - Monday Night Discussions, 7:00 p.m.,  
Refuge, presentation by Dan Goldman  
and discussion of prelim question  
- Social Committee Meeting, 2:00 p.m.,  
152 AldH
- Tues. - Book discussion at Student Center by  
Warren Gore, Noon.  
- Clean Up Day
- Wed. - Floriculture Discussion, Noon,  
398 AldH, P.E. Read reporting on  
British Growth Regulator Symposium  
- Seminar, 4:00 p.m., 415 AldH, pre-  
sentation by Bruce Garley  
- "The Wonderful World of Weeds" Mervin  
Eisel, 1:30 and 7:30 p.m., Arboretum,  
call 443-2460 to register.
- Thurs.  
& Fri. - Hort Club Plant Sale

## CONGRATULATIONS to new graduate student officers:

- President - Orville Lindstrom  
SOGS Rep - Joe Zagorski  
Faculty Meeting Rep - Beth Bray  
Social Committee Rep - Mich Hein  
Seminar Committee Rep - Loren Stephens  
SSC - Mike Dana, Stephen Garton, alternate,  
Emily Hoover

THANKS and much applause to everyone who worked very hard to produce 6 grants submitted this week for Title XII funding. It was a giant job and very well done!

CONGRATULATIONS to Orville Lindstrom, Marilyn Griffith and Beth Bray who successfully wrote the Plant Physiology prelim exam.

HORT CLUB - Bedding plant and vegetable plant sale is being held on May 17 & 18 from 9:00 a.m. - 3:00 p.m. The sale will take place across from the Classroom Office Building.

CONGRATULATIONS to Lola Frederickson who undaunted by medicinal surroundings passed her Master's exam while residing on Station 47 at University Hospitals. Lola was out having tests this morning and was unavailable for comment but Twig has heard she is doing well.

SPORTS REPORTS - The Runner Beens took a well earned rest this week. Fortunately they were not obliged to slide and skate in the West St. Paul quagmire. Next Tuesday at 5:00 the intrepid Beens will play on the St. Paul Field in their first playoff game. The Hort Horrors were horrified to find that last night when the mud cleared they had lost 15-11. The Horrors fought mightily however, significantly narrowing the difference in the final score.

THANKS to those who contributed to the St. Paul Campus Improvement Fund. There will be an issue of the Green Leaf coming out soon with details on the results of the fund raising.

CONCERT Wednesday at noon "On the Hill" the Student Center is sponsoring a concert by Sean Blackburn and Dakota Dave Hill. The concert will be outside weather permitting, of course. (But who's been permitting this weather?)

CONGRATULATIONS to Peter Ascher and Dave Davis who received \$27,500 for one year's work in nitrogen fixation from the USDA and to Jiwan Palta who received \$22,172 from Control Data Corporation for a one year project on irrigation techniques.

CLEAN UP DAY - Thanks to those sensible souls who realized Clean Up Day had to be postponed; therefore we lost no one to deep water or cold winds. The special day has optimistically been rescheduled for Tuesday the 15th. Set aside the afternoon for invigorating work in the fresh air with congenial companions. We will continue working in the dogwood patch also. Refreshments will be provided.

CONGRATULATIONS to winners of the placemat design contest. A graphics competition for a "placemat design" representing various aspects of Horticulture in Minnesota was recently held in Rick Forsyth's Landscape Architecture Graphics class. The three top awards went to: 1st--Rusty Saunders, 2nd--John Newell, 3rd--Jim Bach, and Honorable Mention--Greg Ochis. The designs are on display in the 3rd Floor Lobby.

# TWIG-BENDER

Vol. 2 No. 19 May 18, 1979 Dept. of Horticultural Science & Landscape Architecture  
305 Alderman Hall, St. Paul, MN Editor: Linda Olson

## THIS WEEK - May 21-25

- Mon. - Ice-cream making party for grad students, 7:30 p.m., Dr. Ozbun's home, 4310 Virginia St. Shoreview.
- Wed. - Floriculture Discussion, 12 Noon, 398 AldH, Jim Henrich and Bob Lyons  
- Seminar 4:00 p.m., 415 AldH, Chuck Brun on maturity indices in Minnesota apples  
- "Hostas, Aristocrats for the Shady Garden" by Merv Eisel, Mike Heger and Mike Zins, 1:30 and 7:30, Arboretum, call 443-2460 to register.
- Thur. - Plant Physiology Seminar, 3:00 p.m., Rm. 18 BSC, presentation by Jehoshua Rudich  
- Farewell Luncheon for Dick Towner at T. Butcherblock, Excelsior.
- Fri. - College of Agriculture Spring Quarter Faculty Assembly, 3:15 p.m., B45, COB.

CONGRATULATIONS to Rick Forsyth who has accepted a new position as Assistant Dean and Professor of Landscape Architecture for the College of Architecture and Design at Kansas State University. Rick will be leaving this summer to take up his new duties which begin July 15. To quote Rick, "It was an extremely difficult decision to have made in light of the many positive associations I have established with the program and staff here."

VISITORS THIS WEEK - On Wednesday, Mike Burke, former faculty member, will be visiting the department. Please check with Paul Li to make sure you'll have a chance to visit with Mike. From Wednesday through Friday, Jehoshua Rudich will be a visitor here and be giving a seminar on Thursday. Dr. Rudich is on the faculty of agriculture in Rehovot, Israel, and is currently on sabbatical at University of California, Davis. His topic on Thursday is "Photosynthesis, translocation and fruit sets in tomato plants under high temperature conditions." Again, Paul Li is coordinating his visit so see Paul if you wish to spend time with our visitor.

THANKS to those stalwart members of the hort community who worked hard to improve both the hillside front of the building and to clear out the woods. All workers appreciated Shirley Munson's refreshments.

PARTY - In lieu of Monday night discussion on May 21st, Dr. Ozbun will host an ice-cream making party in his home at 4310 Virginia St., Shoreview. Ice-cream, beer, and other refreshments will be served. All graduate students are welcome and encouraged to bring board games, cards, etc. Anyone needing a ride should meet behind Alderman Hall on Folwell Ave. at 7:15 p.m. If directions to Dr. Ozbun's home are necessary, please see Joe Zagorski. For those who might get lost en route, Dr. Ozbun's phone number is 484-7609.

WATER WATCH - 0.25 mega ohms pure .

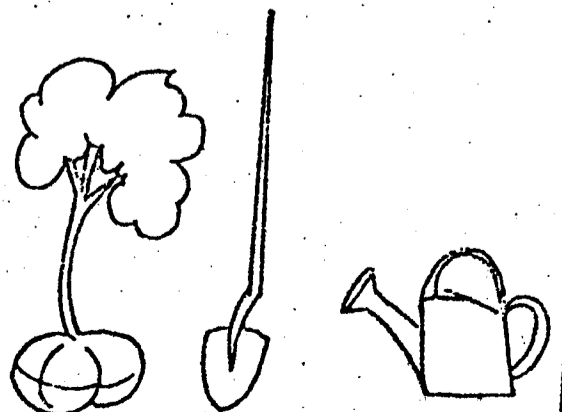
WORK STUDY - The Work Study program isn't dead, it just faded away for several months. If you want to hire a work/study student for July 1 or later please give Pat Hencir the details in the next few days. She will then have the jobs posted. There are no work study funds available until July 1. Details Pat will need include kind and number of positions, number of hours per week to work, etc.

FAREWELL PARTY - Dick Towner has accepted a new position and will be leaving the department after several years of work at the Research Center. A farewell luncheon is being held for him on Thursday the 24th at 12:15 at T. Butcherblock on the lakefront in Excelsior. Call Darleen Ulrich or Nan Roberts at the Arboretum (443-2460) or Pat Pierquet at the Research Center (474-6886) to make a reservation. They need to have your name by Tuesday so if you wish to be part of the festivities call soon. You can also let Pat, Nan or Darleen know if you would like to contribute towards a gift for Dick.

CONGRATULATIONS to Sue Wiegrefe who has been awarded a Joseph Shinada Memorial Scholarship of \$1,000 for the coming academic year. Sue is the first University of Minnesota student to receive a scholarship from the foundation which supports study in floriculture.

THE RUNNER BEENS narrowly missed a win in their 1st playoff game last Tuesday. The game was tied 1-1 when the final whistle was blown which resulted in a "shoot-out". The Beens lost it on the last kick. Next game is Saturday, May 19th, 2:00 p.m., St. Paul Field.

THE HORT ACADEMICALS after a season 1-1-1 lost their 1st playoff game by 3-2. Although the team was slightly understrength the Academics put on a splendid show. Next week should bring yet another game for the team.



# TWIG-BENDER

Vol. 2 No. 20 May 25, 1979  
305 Alderman Hall, St. Paul, MN

Dept. of Horticultural Science & Landscape Architecture

Editor: Linda Olson

## THIS WEEK - May 28-June 3

- Mon. - You may not recognize it, but this is Memorial Day - University holiday
- Wed. - Floriculture Discussion, 12 noon, 398 AldH, John Preece on Branching Control
- Seminar, 4:00 p.m., 415 AldH, Terry Ferriss on "Temperature Effects on the Andogenous Hormones and Dormancy of *Freesia hybrida*"
- Fri. - SPRING CHICKEN BARBEQUE, 6:00 p.m., Como Park Dome Shelter
- Sat. - Day After the Spring Chicken Barbeque

CONGRATULATIONS - to Terry Ferriss who has accepted a position at Wisconsin State University, River Falls.

SPRING CHICKEN BARBEQUE - That's not a person we're roasting, but a party for all of us and our families. You should have received an individual notice by now with all the details. If you haven't, ask Vicky Weise. Remember to let her know by the end of Tuesday--how many you'll be, what you're bringing, whether or not you can help Friday afternoon.

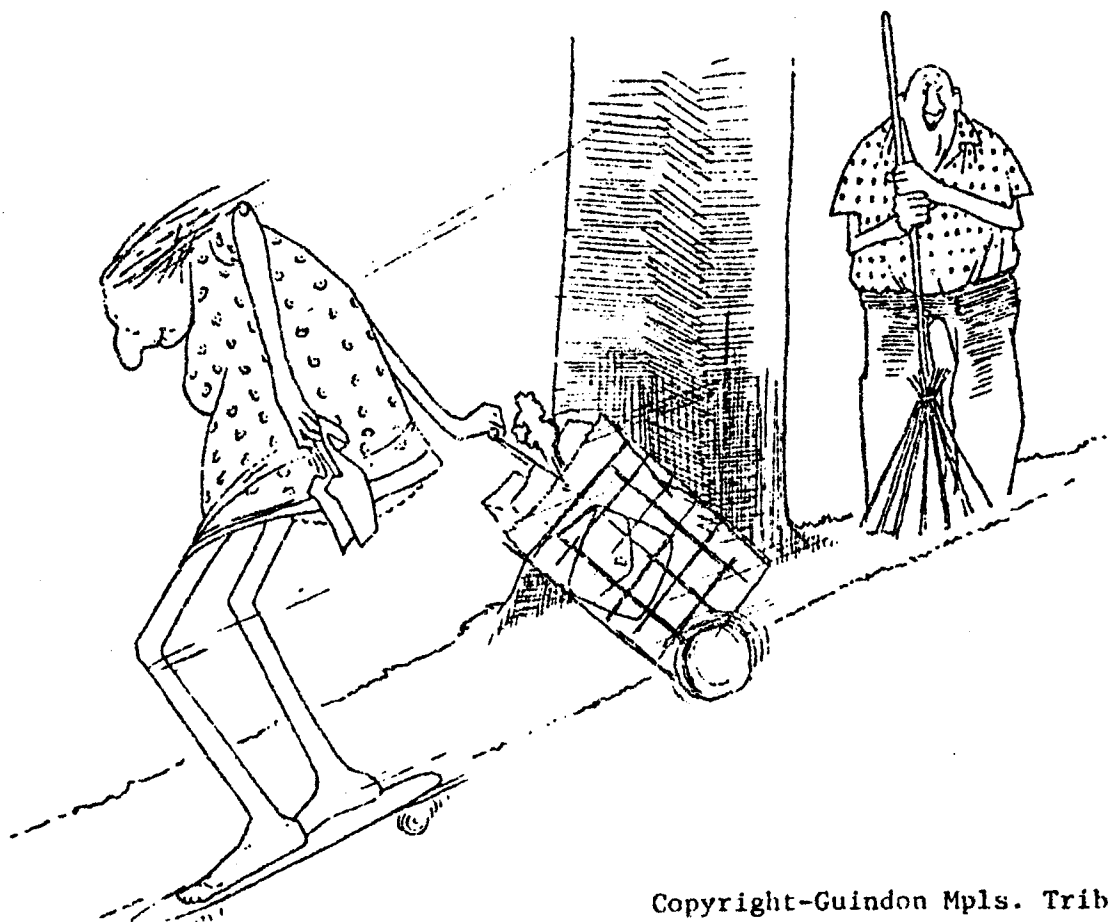
EMERGENCY PREPAREDNESS - The recent tornado emphasizes the importance of a Tornado Information Seminar to be held in the Bell Museum Auditorium at 2:00 p.m. May 29. Anyone who is interested may attend.

RECOVERY - Lola Fredericksen is getting better following back surgery. She's still a patient at the University Hospitals now on Station 46. Says Lola, "The doctors here are so terrific, I'm going to stay a few more days."

WATER WATCH - 1.8 mega ohms

CONGRATULATIONS - to Beth Bray who this week passed her Ph.D. prelim exam.

WELCOME BACK - to Harold Wilkins who traveled to Scandinavia, Germany, Poland, and Russia.



"Ahh, Spring."

Copyright-Guindon Mpls. Tribune

# TWIG-BENDER

Vol. 2 No. 21 June 1, 1979  
305 Alderman Hall, St. Paul, MN

Dept. of Horticultural Science & Landscape Architecture  
Editor: Linda Olson

## THIS WEEK - June 4-10

- Tues. - Hort Industry Conference Sub-Committee Chairmen, 9-10:30 am, 152 Alderman.  
- Consultative Committee, 1:15-3:00 pm, 398 Alderman.
- Thurs. - Experiment Station Field Days Representatives Meeting, 8:30-9:30 am, 152 Alderman.
- Fri. - MEMIS reports for May due to Martha Cooper.  
- Farewell coffee for Keith Huston, Director, Agriculture Experiment Station, 2:30-4:30 pm, Shingle Creek Room of the Earle Brown Center

NEXT WEEK - Tuesday, June 12, Staff Meeting, 8:15 a.m.

TODAY - Spring Chicken Barbeque at 6:00 pm at the Como Park Dome Shelter (on Midway Parkway near the Conservatory). Bring plates, utensils and the food item you signed up to bring. All else is provided. Lots of room for games so bring frisbees, etc.

CONGRATULATIONS to Chuck Brun who has been accepted for further graduate studies at Washington State University, Pullman, Washington!

CONGRATULATIONS to Jim Henrich who passed his Master's final exam this week.

HORT HEADBENDER - Supply the common names for Phormium tenax, Xerophyllum tenax and Linum flavum.

GRAD STUDENTS - travel by van to ASHS is being arranged by John Preece.

HORSESHOE TOURNAMENT - The Grand Clanking Commissioner of Horseshoes has circulated information on the 1979 Hort Horseshoes Happening. The teams, Liquid Sludge, Underfeets, Rough Shod, Ringers, Low Stakes and the Pits will begin competing now with a goal to finishing before June 15.

WATER WATCH - .15 mega ohms. The Water Wizard says the lower value is related to lower use of water. He hypothesizes the existence of a large supply of unwashed beakers and test tubes.

GRADUATE STUDENT SPACE - In order to find desk space for new graduate students as they arrive, I need to know who's coming and when, as well as who's leaving and when. I would appreciate advisers letting me know when a new student is expected to arrive. Thanks.  
Linda Olson

The following seniors were recognized at the College of Agriculture spring graduation exercises last evening. Congratulations are extended to each of them.

### Major in Horticultural Science

Timothy R. Bankson - Read  
Steven L. Bengtson - Mullin  
Daniel J. Berks - Forsyth  
Harvey J. Buchite - Wilkins  
James B. Calkins - Hard  
Michael J. Doroff - Davis  
Esther A. Eisinger - Read  
Susan C. Fuhrman - Widmer  
Janis M. Kieft - Read  
Andrew P. Lindquist - White  
Pauline L. McGinty - Wilkins  
James P. McGurk - Pellett  
Michelle M. Moravec - Read  
Jan E. Pennau - Davis  
Ann M. Rockwood - Widmer  
Debra A. Schlough - Read  
Nancy A. Scott - Widmer  
Mitzi J. Shirk - Read  
Jennifer J. Tempel - Read  
Daniel B. Vogel - Hard  
Michele H. Vogel - Stushnoff

### Major in Landscape Architecture

Bruce B. Blair  
Michael J. Braden  
Gerald L. Degryse  
Edward J. Hasek  
Gary R. Hittle  
Greg H. Ingraham  
Randal A. Manthey  
Michael P. Marxen  
Laura M. Rotegard  
Keith A. Schmidt  
Double Major - Ag Education & Hort  
Robin K. Duffy  
Double Major - Agronomy & Hort  
David L. Deboer  
Douglas P. Drysdale  
Robert E. Stassen

# TWIG-BENDER

Vol. 2 No. 22 June 8, 1979  
305 Alderman Hall, St. Paul, MN

Dept. of Horticultural Science & Landscape Architecture  
Editor: Linda Olson

## THIS WEEK - June 11-17

Tues. - Staff Meeting, 8:15 am,  
394 Alderman. There will be no  
separate Extension Staff Meeting.

Thurs. - Undergraduate Curriculum Committee  
Meeting, 11:00 am, 398 Alderman.

THANKS! To the working members of the  
social committee whose hard work resulted  
in a terrific barbeque. In case you thought  
there were a lot of us there, you were  
right - about 120 of us were there, all  
probably eating too much. Social committee  
members, R. Rideout, L. Hertz, S. Ozburn,  
J. Swanson, D. Ulrich, V. Weise, J. Henrich,  
R. Krenz, have done a great job of orga-  
nizing events during the year.

HORT HEADBENDER: The answers are Phormium  
tenax\*, New Zealand flax; Xerophyllum  
tenax, Bear grass; and Linum flavum, yellow flax.  
(Or is it slightly less than a dozen  
ketchmen in a line?)

CAUTION: Yesterday the money paid for indi-  
vidual cups of coffee was stolen from the  
collection jar in the coffee room. This  
happened once before a few weeks ago. When  
this happened, the money disappeared near  
the end of the day. It is difficult to see  
how we can continue per cup payment if this  
keeps occurring. It's hardly successful  
to yell, "be on the lookout for skulking  
thief!" However, if you have any doubt  
about someone's mission in the coffee  
room, please inquire.

Training is everything. The peach was once  
a better almond; cauliflower is nothing but  
cabbage with a college education.

- Mark Twain -

WELCOME to new graduate students, Sandy  
Tanck advised by Francis deVos and  
Dick Johnson whose advisor is David  
Koranski.

MILEAGE CHANGES: Effective July 1, mile-  
age will be reimbursed at 17¢ per mile to  
reflect the rise in gasoline prices. We  
will be changing the departmental mileage  
charges on vehicles to bring them more  
into line with university rates, but the  
level of charges has not been set yet.

WELCOME to Paul Boldt, Assistant Prof.  
He and his wife, Linda, have arrived in  
Saint Paul from Michigan.

WATER WATCH: The water went unwatched.  
The Wizard was on vacation.



# TWIG-BENDER

Vol. 2 No. 22 June 15, 1979  
205 Alderman Hall, St. Paul, MN

Dept. of Horticultural Science & Landscape Architecture  
Editor: Linda Olson

## THIS WEEK - June 18-22

No notices received for major meetings or seminars. The week appears to be gloriously free for uninterrupted creative work. However, appearances can be deceiving...

NEXT WEEK, Wednesday, June 27, Horticulture Seminar, 3 p.m., 394 Alderman, Harold Wilkins "Norway/Sweden/Poland/West Berlin -- What's New in Research".

Congratulations to Sharon Desborough who received \$101,000 for 3 years from the USDA Competitive Grants Program. Her proposal title, "The Potato Protein Phenotype: Biochemical Evaluation and Parental Selection."

Wang Calculator: The calculator plotter which has been malfunctioning has been removed and is being repaired. We hope all parts of the calculator will be functioning again by the end of next week.

Campus Improvement Fund: Word has been received that a total of \$18,962.50 was raised during the fund drive for the St. Paul Campus Improvement Fund.

BUILDING SECURITY: A reminder that we can keep the building secure only with everyone's cooperation. If you are routinely hampered by lack of access to a part of the building see Mary Bandow in the main office for a key. The building will be rekeyed this summer as part of a campus wide program

NEW POSITION AVAILABLE. Assistant Professor in production and cultural practices, basic and applied in vegetables, PhD, available September 1. 75% research, 25% teaching. Contact Dr. Jack Shannon, Dept. of Horticulture, Penn State University, University Park, PA 16802.

A FAREWELL PARTY honoring Rick Forsyth will be held Friday, June 22, at 8 p.m. at Ozburn's, 4310 Virginia, RSVP to Mary Bandow, 305 Alderman Hall, 373-1026. Cost \$1.00/person.

## WEDDING BELLS

Congratulations to Joyce Dilliner, Assistant Gardener in the Hort Greenhouse, who was married on May 18 and is now Joyce Anderson. Laura Dawe, Senior Secretary in the Extension Office, now Laura Kalish, was married June 9 as was Barbara Carel, Assistant Scientist.

## COFFEE DRINKERS NOTE!

We feel a bit like NSP passing increased costs to the consumer, but increased costs are very much a reality in coffee buying. We have experienced a 20% increase in the cost of coffee; consequently the monthly bottomless cup of coffee rate must go to \$6.00 effective July 1. If you prefer the cup with a bottom, the 15 cent per cup rate applies. We would appreciate help from all coffee, tea and other coffee room drinkers in informing infrequent customers of the per cup charge.

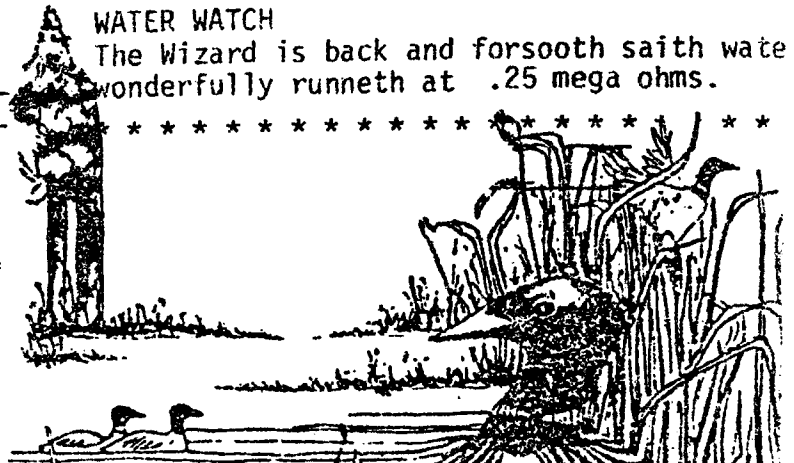
CONGRATULATIONS to Abderrahmane and Touria Hilali, whose daughter, Manal, was born on June 9.

## LOST AND FOUND

A frisbee, 2 forks and a spoon were left at the department barbeque site. They can be picked up in the extension office.

## WATER WATCH

The Wizard is back and forsooth saith wate wonderfully runneth at .25 mega ohms.





# TWIG-BENDER

Vol. 2, No. 24 June 22, 1979  
305 Alderman Hall, St. Paul, MN

Dept. of Horticultural Science & Landscape Architecture  
Editor: Linda Olson

THIS WEEK June 25 - July 1

Wednesday - Floriculture Seminar, 3:00PM,  
394 Alderman, "Norway/Sweden/  
Poland/W. Berlin - What's New  
in Research" by Harold Wilkins.

**ATTENTION: COOLER BREAKDOWN.** The walk-in cooler in 376 has broken down and needs to be thawed out for repair. If you have anything in the cooler, it must be removed today.

**WELCOME** to new graduate students Ann Fennell, advised by Paul Li and Karl Ruser whose advisor is Don White.

**CONGRATULATIONS** to Laura Dawe Kalisch who has been promoted to Principal Secretary in the main office. She begins work in her new position on July 1.

**TONIGHT:** Farewell party at 8:00PM for Rick Forsyth at the Obzun's, 4310 Virginia. Directions to their house: north on 35W to 694, east on 694 to Lexington. Exit and turn left onto Lexington. Turn right at County Road F (there is a stop sign at the intersection). Stay on County Road F which becomes Snail Lake Road. Continue on Snail Lake Road to Virginia. Turn right on Virginia to 4310.

**FAREWELL** to Margaret Gearhart who has resigned her position as Senior Laboratory Technician working with Harold Pellett.

**WANG CALCULATOR:** The plotter on the calculator has been repaired and returned. If you have any difficulties with the calculator, please inform Linda Olson.

**Jim Ozburn to Morocco.** Our department head leaves on Sunday the 24th for a trip to Morocco. He is traveling as a team member to help design the next phase of the long term project in Morocco. He will be back on July 10. During his absence, Richard Widmer will be Acting Department Head.

**THANKS** to everyone for consideration you've shown to those who are especially busy with budgets at this time of year. It's most appreciated.

**ASHS Papers.** As discussed at the last staff meeting, we are planning practice sessions for papers to be delivered at the July meetings. Two afternoons, Thursday July 19 and Friday July 20 have been set aside for the sessions which will be held in 394 Alderman. In order to plan the sessions, we need to know about participants. Will each faculty member presenting a paper or whose students will be presenting, please give Vicky Weise a list of presenters and topics. If you have a preference for either session, please so indicate. Poster papers are to be included.

**WATER WATCH:** .26 mega ohms

**GASOLINE SHORTAGE.** Both the recent shortage and higher price of gasoline have a serious impact on expenses in the department. One area where we may be able to cut down on fuel use is our trips between St. Paul and the Arboretum and Hort Research Center. There is a continuing need for mail and University documents to get from one place to the other. If we could send such materials with faculty and students traveling for more substantive reasons it would be very helpful. Therefore please check with the secretary in the Arboretum office or Virginia Dahm in the Alderman office before commencing a trip. She will let you know if materials need to be transported. We would also like to encourage car pooling, and notifying a central person may provide you with a passenger. We will gladly publish any other suggestions for fuel saving.

**NEWS FLASH RECEIVED** - Our sympathy is extended to Harold Wilkins who is stranded in Podunk, Arkansas after running out of gas on his way back from a trip to Magnolia to visit his great aunt. Hopefully he will be back in time for his seminar.

TWIG BENDER NEWS IS GOOD TO HEAR - TAKE  
ME HOME!



# TWIG-BENDER

Vol. 2 No. 25 June 29, 1979 Dept. of Horticultural Science & Landscape Architecture  
505 Alderman Hall, St. Paul, MN - Editor: Linda Olson

## THIS WEEK - July 2-8

Wed. - 4th of July. Have a happy and safe holiday.

Fri. - Field Day at Becker

CONGRATULATIONS to Orville Lindstrom who passed his Ph.D. prelim exam exactly one week ago today.

FAREWELL to Mary Bandow until Sept. 1 when she rejoins the office staff.

KERLAN COLLECTION. The Kerlan Collection is a research center for children's books in Walter Library. We've received notice that the collection recently received materials of some horticultural interest, the original botanical illustrations and manuscript of a book Wild Green Things in the City: A Book of Weeds. The author is Anne Ophelia Dowden.

HORSESHOE TOURNAMENT ENDS ON TRIUMPHANT RING! The most triumphant ring of all rung in by the Ringers who progressed undefeated to the finals where the Underfeets got overtook. The Ringers had a 2 game sweep 21-6 and 21-0. Twiggy has discounted the rumors that the winner (and organizer) of the contest merely did this because he had no one to practice with. Actually, a good time was had by everyone who participated, and the tournament proves again that horticulturists make great sportspersons (Well, doesn't it?).

CONGRATULATIONS to Vicky Weise who will be returning to the Senior Secretary position in the Extension Office. She assumes those duties on Monday.

ACTING DEPARTMENT HEADS. Richard Widmer and Dave Davis will continue as acting department heads until Jim Ozburn's return on July 10.

TWIG BENDER - Your editor departs on Sunday for a 3-week agricultural sabbatical to southern Sweden. The Twig will continue to be issued. Please give notices and information you want printed to Laura Kalisch.

CONGRATULATIONS to Leonard Hertz and Harold Pellett who have been promoted to Full Professor effective July 1, 1979.

ATTENTION - Do you know anyone interested in counting bulb mites for Ascerno, Pflieger, and Wilkins? There is at least 5 month's work. Call Ascerno at 3-1059, Pflieger at 3-1757, or Wilkins at 3-1665 if interested.

RUSH - There is a shipment of chrysanthemums in the main office under the name of H. F. Wilkins. They are in the cooler on the 3rd floor and were not ordered by Wilkins.

SECURITY - It has been brought to our attention that the entrance door on the 1st floor has been left open on the weekends. Please be sure you pull it shut when you enter and leave, as it sometimes doesn't close tight on its own.

VAN RIDERS - The following people will be riding, at least one way, to the ASPP-ASHS meetings in Columbus, Ohio. The vans will depart Monday, July 30, at 5:00 a.m. They will leave Columbus Saturday, Aug. 4. Since there are two vans, if enough people want to come or go at a different time, there is no reason the vans must leave simultaneously. If your name is on the list and should not be, see me and I will remove it. If you want to go on the van, and your name is not on the list, drop a note in my mailbox. An updated list will be printed in next week's Twig Bender. John Preece

Van Riders:  
Terry Ferriss  
Brent Pemberton - return only  
Will Healy  
Carol Carlson  
Laurie Conviser - return only  
Kris Bernardy  
Richard Johnson  
Marikus Alvarez  
Norm Huner  
Harold Wilkins  
Abdellatif Berre  
Athan Economou

# TWIG-BENDER

Vol. 2, No. 26, July 6, 1979  
605 Alderman Hall, St. Paul, MN

Dept. of Horticultural Science & Landscape Architecture  
Editor: Laura Kalisch

THIS WEEK - July 9-13

Employment...continued

Thursday--Crops & Soil Field Day  
Morris 9:00-2:30

PhD (or someone who will complete PhD  
this year) in fruits, physiology or  
turf for a tenure track position.

WELCOME BACK To Dr. Stadelmann who is now back from Austria. He has promised to keep the office staff jumping!  
Contact Sam Hoffman as soon as possible at (715)425-3345.

VAN RIDERS UPDATE - The following is an updated list of the people riding in one of the vans to the ASPP-ASHS meetings:

Marikus Alvarez  
Jim Axt  
Kris Bernardy  
Carol Carlson  
Laurie Conviser - return only  
Athan Economou  
Kevin Edberg  
Terry Ferriss  
Marilyn Griffith - to Ohio only  
Will Healy  
Norm Huner  
Richard Johnson  
Brent Pemberton - return only  
Maria Toivio  
Harold Wilkins

ATTENTION - Dr. Carceller, visiting professor from Argentina (working with Dr. Stadelmann) has just arrived. She needs a place to stay until July 15 when her apartment will be ready. If you have a room available through July 15, please contact anyone in Dr. Stadelmann's lab immediately at 3-1013. Thank you very much.

CONTRIBUTIONS - We need more from you!

If you have any questions contact John Preece.

DELIVERIES - Please be sure to pick up all deliveries from the main office as soon as you have been notified that you have one. The stack of boxes seems to grow constantly causing some inconvenience getting to the mail boxes and using the work area behind the counter. Also, hazardous chemicals should be stored properly as soon as possible and the main office is not equipped to do so. Thanks.

EMPLOYMENT OPPORTUNITIES - There are several teaching positions open at the University of Wisconsin at River Falls:

- PhD or MS for 1 year position (or longer) to teach non-majors hort course, beginning lab plant science course and possibly an advanced level course. Starting this Fall.

# TWIG-BENDER

Vol. 2, No. 27, July 13, 1979 Dept. of Horticultural Science & Landscape Architecture  
305 Alderman Hall, St. Paul, MN Editor: Laura Kalisch

## THIS WEEK: July 16-20

Wed - Field Day at Crookston

Thur - Field Day at Grand Rapids  
1:00 p.m. - Practice Session ASHS  
papers

Fri - 1:00 p.m. - Practice Session ASHS  
papers

\*\*\*\*\*

ASHS PRACTICE SESSIONS -- Practice sessions for those presenting papers at ASHS this year are scheduled for next Thursday and Friday afternoons (July 19 & 20) in room 394 Alderman Hall. Please have the list of presenters and topics to Laura by Monday July 16, 1979.

\*\*\*\*\*

WATER WORKS -- .21 Megohms - Nifty huh?

\*\*\*\*\*

WELCOME -- to Dr. Carl Belke from Brandon, Manitoba, who is working with Dr. Brenner for the next year. Also Welcome to Dr. Marta Carceller, from Buenos Aires, Argentina. Dr. Carceller is working with Dr. Stadelmann.

\*\*\*\*\*

Dr. Raul Garcia, a plant nutrition specialist of the Instituto de Ciencia Agricola (INCA), Havana, Cuba, will be on campus from July 16 through August 3 in accordance with the exploratory exchange agreement. (The team visiting the University of Minnesota includes 3 people -- in addition to Dr. Garcia, an animal nutritionist and a specialist in veterinary medicine.)

If anyone in the Department would like to meet with Dr. Garcia they should get in touch with Laura or with Dave Davis. Also Dr. Garcia's curriculum vitae is available at Laura's desk.

Dr. Garcia...continued

Office space for Dr. Garcia will be arranged either in the Department or in Soil Science. We will let you know.

\*\*\*\*\*

MISSING ADVISOR -- If you advise the student Rahal Moujane please let Laura know as soon as possible.

\*\*\*\*\*

SPORTS -- Both the Runner Beens and Hort Horrors suffered losses this week. On Tuesday, the Beens lost a tough 3-2 match to the Frotters. Play was much improved over last week's 7-4 loss to Chico's Corners however. This was due largely to the return of defensive stalwart Orv "the Q" Lindstrom and fine midfield play by Terry Ferriss and Marikis Alvarez. The Beens were pressing for a score during the last minutes of the match, but could not convert any of their opportunities. The disappointment of the entire squad was well expressed at the final whistle by several members of the team who were overheard muttering "Aw Shucks". The Beens play again next Tuesday at 7:00 on the St. Paul Soccer Field. Their opponent will be the Minde Binders (presumably Milo's).

The Horrors lost a 6-4 decision on Wednesday to the Mondo Cruisers. The Horrors have suffered from an anemic offense through most of the season and this was the cause of their loss to the Cruisers. Dr. Paul Read was the outstanding performer of the game on either side. He fielded perfectly at his short stop position, turning one double play (a rarity in summer slow-pitch softball in addition to making several excellent plays behind second base to nip the fleet footed Cruisers. He also was involved in the scoring of 3 of the 4 Horrors' runs. Next week's game is on Wednesday at 6:15 p.m. against Marineau Marauders on Como Field #2.

2035 into garage

# TWIG-BENDER

Vol. 2, No. 27, July 20, 1979 Dept. of Horticultural Science & Landscape Architecture  
305 Alderman Hall, St. Paul, MN Editor: Laura Kalisch

## THIS WEEK - July 23 - 27

Monday - Welcome back Linda!

Tuesday - ASHS Practice Session  
10:00 a.m. - 3:30 p.m.

Horticulture Tour -  
Staples

\*\*\*\*\*

ARBORETUM UPDATE - Work has begun in the new display greenhouse adjacent to the Administrative Building.

\*\*\*\*\*

VAN RIDERS FINAL LIST - The vans will depart at 5:00 a.m., Monday July 30. Terry Ferriss and Terry Howe are each in charge of one van. You should meet outside of the Hort Greenhouses; get there before 5:00. Driving duties will be rotated, but you must be a University employee to drive, if you are not, you may only ride. If you have any questions, see John Preece.

The following is the final list of riders:

- Ezzaldin Abusteit
- Marikis Alvarez
- Jim Axt
- Kirs Bernardy (to Ohio only)
- Marta Carceller
- Carol Carlson
- Laurie Conviser (return only)
- Athan Economou
- Kevin Edberg (to Ohio only)
- Terry Ferris
- Will Healy
- Terry Howe
- Norm Huner
- Richard Johnson

## Van Riders...continued

- Dave Koranski
- Prent Pemberton (return only)
- Maria Toivio
- Harold Wilkins (to Ohio only)

\*\*\*\*\*

CONGRATULATIONS to Mohamed Achahboun who passed his final oral exam for the MS on July 16. He plans to return to Morocco on July 24.

\*\*\*\*\*

WELCOME BACK to Dr. Volker Sjut who will be working with Dr. Brenner as a Post-Doc for the coming year. Dr. Sjut is from Stuttgart, West Germany and the University of Hohenheim.

\*\*\*\*\*

COFFEE FUND - Just a reminder that coffee is \$6.00/month as of July 1. If you haven't paid for a while please do so as soon as possible. Thanks.

\*\*\*\*\*

# TWIG-BENDER

Vol. 2, No. 28, July 27, 1979 Dept. of Horticultural Science & Landscape Architecture  
305 Alderman Hall, St. Paul, MN Editor: Linda Olson

This Week - July 30 - August 5

All Week - ASHS Meetings, Columbus Ohio

Monday - State Extension Staff Meeting - Earle Brown Cn

Wednesday- It's August already!!!

\*\*\*\*\*

STUDENT STAFF DIRECTORY - If your name appeared in last year's directory you recently received a card to verify information for the new directory. Please return those cards. If you are new in the department and do not recall filling out a directory card see Laura Kalisch in the main office and fill one out now. This will assure you of an entry in the new directory.

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ASHS - More than 20 papers were given at the practice sessions. The department will be well represented at the meetings. Bon voyage to all participants and observers.

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GRADUATE ADVISORS - Please remember to notify Linda Olson when you know a new student of yours is joining the department. Desk space for graduate students continues to be at a premium, and in order to make equitable assignments the student's name should get on the waiting list as soon as we know s/he is coming.

#####

VISITORS - The Cuban delegation of agriculturists are still on campus as part of a mutual effort by our University and the Cuban government to investigate areas of research, extension and teaching in agriculture for possible program development.

+++++

Runner Beens won 1-0 Wednesday thanks to the goal kicked by Phil Howell!!!

MOROCCO UPDATE - Jim Ozburn reports the trip to Hassan II was productive and rewarding. The project paper, dealing with the next 10 years of the project in 5 year steps, is now being prepared. Progress in Agadir is good, and the date for opening the new institute is September 1980. Dr. Besri, the plant pathologist who heads the plant science program at Rabat will be here for a 3 day visit beginning August 15.

!!!!!!!!!!!!!!!!!!!!

OPEN POSITIONS - There are currently 3 positions available at the Arboretum and Hort Research Center; Sr. Secretary, Research Plot Coordinator and Jr. Scientist. These are all Civil Service positions and application for the positions should be made through the University Personnel Department.

\*\*\*\*\*

OFFICE TYPEWRITERS - Now that preparations for ASHS are completed we need to return to our general policy on typewriter use. That policy is for graduate students to use the typewriters provided in Room 206. Please do not use the typewriters in either the third floor or extension offices. Thanks for your cooperation. If you have difficulty, please notify Laura.

\$

CONGRATULATIONS to Jiwan Palta who has accepted a position of Assistant Professor in the Dept. of Botany at the University of Iowa. His wife, Mari, will be an Assistant Professor at the same University in the Dept. of Preventive Medicine. Jiwan will assume his post in September.

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CIVIL SERVICE & BARGAINING UNIT EMPLOYEES - Beginning with the July 15 paycheck Civil Service employees received a salary adjustment reflecting (if not mirroring) the cost of living. No increases have been received by those represented by the union because the contract is still under negotiation.

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# TWIG-BENDER

Vol. 2, No. 29, August 3, 1979 Dept. of Horticultural Science & Landscape Architecture  
305 Alderman Hall, St. Paul, MN Editor: Linda Olson

## This Week - August 6-11

Monday - Welcome back to all ASHSers.  
It was quiet (too quiet)  
here with almost everyone  
gone.

Tuesday - Reception for Chris  
Moen, IAFHE, 2-4 p.m.  
The occasion is Chris'  
25th anniversary at the  
University.

WATER WATCH - .26 mega ohms.

TRAVEL AUTHORIZATIONS - Please note!  
We have been notified by the Office  
of Research Administration of ad-  
ditional information needed on  
authorizations. When you fund your  
travel on a federal grant you must  
state clearly how the trip directly  
benefits the goals of that grant.  
We apologize for the additional  
request, but ORA will not process  
the authorizations without this  
information.

CONGRATULATIONS to Lester Potts,  
Assistant Gardener at the Arboretum.  
He and Annette Gay are being married  
this evening at the Arboretum.

FAREWELL to Brian Dugstad, Gardener  
at the Hort Research Center, who is  
moving to the Iron Range on August 8.

BUDGET NOTE - Investigators please  
do not use your 0203 budgets anymore.  
We are closing out this year's  
accounts. Any remaining balance you  
have will be made available in other  
money. Do not use 0203 numbers un-  
til October 1. Thanks for your  
cooperation.

CONGRATULATIONS to Kevin Edberg and  
Laurie Conviser who were recognized for  
their achievement at ASHS Collegiate  
Branch Session (papers). Kevin  
won second place with "A model to  
predict harvest date of Trumpeter  
Strawberry." Laurie received honor-  
able mention with "Cultivar differences  
cultured in vitro."

OFFICE NOTES - Please don't be alarmed!  
It's not that every departing secretary  
takes her desk with her. The main office  
is in the process of having its  
furniture rearranged - keep peeking  
in for the final results. There  
have also been some personnel changing  
jobs. Carol Freppert has joined  
Vicky Weise and Martha Cooper in the  
first floor office. Meanwhile on the  
third floor, Virginia Dahm will be  
moving to the Wang position; our  
receptionist post is therefore vacant.  
Emilie Enzmann continues as our part-  
time assistant.

OPEN POSITIONS - The following positions  
are currently available in the de-  
partment. They should be posted by  
August 9 so that interested people  
may apply through the Personnel  
Department: Secretary (receptionist  
duties) in Alderman Hall and 2 Assistant  
Gardener positions at the Arboretum  
and Hort Research Center.

UNDERGRADUATE GUIDELINES - A copy of the  
new guidelines have been put in  
each faculty p.o. box. Undergraduate  
advisors should pick up a supply of  
these for their advisees. Copies  
are available in the workroom off  
the main office.

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# TWIG-BENDER

Vol. 2, No. 30, August 10, 1979  
305 Alderman Hall, St. Paul, MN

Dept. of Hort. Sci. and L. A.

Editor: L. Olson

This Week Aug. 13 - 19

Monday: Graduate Studies  
Committee Meeting, 9:00  
A.M., 398 Alderman.

Tuesday: Brown Bag, "Wild-  
flowers of Minnesota"  
Bob Lyons, Noon, 394  
Alderman Hall.

Thursday: Secretaries Picnic  
Rosemount Experiment  
Station, 4:00 PM.

Department Visitor - Dr. Besri  
who heads the plant science pro-  
gram at Hassan II in Rabat,  
Morocco will be on campus begin-  
ning Tuesday, August 14. If you  
wish to meet with him, see Laura  
Kalisch on Monday. She will have  
his schedule.

Rosemount Picnic - A reminder  
that the \$2.50 for supper at the  
secretaries picnic is due to  
Helen Brechbiel by Tuesday, the  
14th.

Academic Position - It was an-  
nounced at the ASHS meetings that  
a horticultural position is open  
at the new University Institute  
for Tropical Horticulture,  
Maracaiba, Venezuela. The  
position has both teaching and  
research responsibilities.  
Candidates must be fluent in  
Spanish. Contact Dr. Federico  
Pannier, Universidad Central de  
Venezuela, Apartado 80, 390  
Caracas, L08 Venezuela

Water Watch - The water wizard,  
ever watchful, wrought wonderful  
repairs. After a few days'  
drought the water runs again at  
.28 megahms.

Travel - Everyone who went to  
ASHS please remember you need to  
file papers when you return both  
to account for expenses and to  
report on the trip. Angie  
Klidzejs can answer questions you  
may have. Blank forms are avail-  
able in the main office. For  
your next trip, PLEASE remember  
to file your authorization to  
travel at least 10 days before  
you leave.

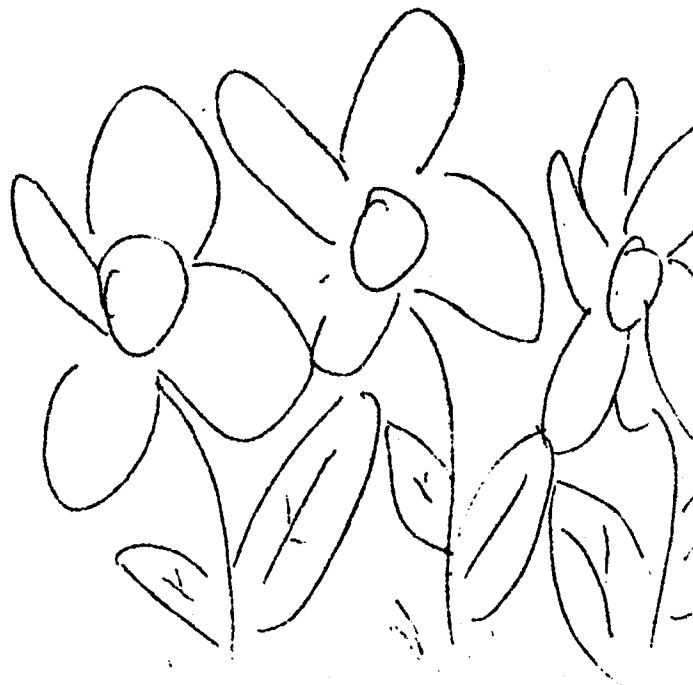
## Open Department Positions:

Senior Secretary, Arboretum,  
Job #16164

Assistant Gardener, Arboretum  
& HRC (no job number yet).

Secretary, (receptionist, main  
office) Job #16987.

Current employees may be  
referred for these jobs by  
calling the Personnel Department  
at 3-1694.



# TWIG-BENDER

Vol. 2, No. 31, August 17, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci. and L.A.

Editor: L. Olson

This Week Aug. 20-26

No meetings or seminars!

Position Available: Word has just been received of an Assistant Professor position, teaching and research in woody ornamentals. See bulletin board for details.

Water Watch: All St. Paul systems are operating at full levels, greenhouse .29 mega ohms and Alderman .25 mega ohms.

ASHS: The dates for the 1980 ASHS meetings are July 27-August 2 in Fort Collins, Colorado. Those who recently attended the Agronomy meetings in Fort Collins recommend staying in motels and making reservations early. Dr. Brink recommends staying at the University Motor Inn (Best Western), 914 So. College, Fort Collins, CO 80521, phone (303) 484-1984. This is located across the street from the campus and has a reasonable restaurant.

Grad Student Desk Space: A reminder to advisors to let Linda Olson know of newly arriving graduate students. We will be very short on desks fall quarter but will do our best to find a place for new students.

Riddle: There are 3 words in the English language which end with -gry. What are they? Answer (help! I don't know the answer, please submit to ed.) will be posted in coffee rooms.

Staff: Harold Wilkins and Deb Brown want to install a new display in the Alderman Hall lobby display case. The theme is the staff in their "younger years". What they need is pictures - one or more of you in an early horticultural (if possible) activity. Pictures will be numbered and an award given to the person who correctly identifies the most people. Submit by September 15.

## L.D.O.T.L.\*

In the tradition of our earlier OTL columns which featured original reporting of local lunchtime eateries, 4 members of the department recently on vacation have decided to share their recommendation of a not-so-local restaurant. If you are ever near Douglas Lodge in Itasca State Park, we heartily recommend the dining room. The room itself is beautifully situated with windows overlooking the forest of the park. The menu offers a reasonable variety of dishes and to judge from looking at numerous entrees, they seem well prepared. The dining room is staffed with pleasant waitresses who are able to cope with a wide variety of guests (we feel we adequately tested this claim).

We can only report in detail on one dish. Since it seems the biggest meal offered, we all ordered the turkey dinner. The meal began with excellent homemade vegetable soup, warm rolls and butter. Margaret (row-the-boat-ashore) Svehla wondered if we could have seconds. The main course consisted of a standard offering of sliced turkey, gravy, dressing and mashed potatoes. However, the slices were thick, the gravy good, the dressing well seasoned and the potatoes real, as substantiated by expert Sharon (I-just-came-here-to-fish) Desborough. In addition, each person received an individual portion of cranberry sauce. If you are eating with Deb (those-chicken-livers-need-some-wine) Brown it pays to eat the sauce quickly. She has a keen interest in seeing they don't go to waste. Linda (two-of-one-thing) Olson gave her usual clear directions and ended up short a coffee cup for dessert. The dessert was memorable; an ordinary appearing apple crisp turned out to be carefully made with fresh apples and topped with whipped cream. All this for the reasonable price of \$4.95.

The lodge serves 3 meals a day seven days a week but this year it closes September 16. If you are in the region we recommend you try Douglas Lodge.

\* Long Distance Out to Lunch



# TWIG-BENDER

Vol.2, No.32, August 24, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Sci. and L.A.  
Editor: L.Olson

This Week Aug. 27-Sept. 2

Apple Sales have begun at the Hort Research Center

No scheduled meetings or seminars.

Position Filled - We have a new Senior Secretary at the Arboretum. Her name is Shirley Fragale, and she begins her duties on Monday, September 10. She currently works at the Center for Early Education on the Minneapolis campus.

Visitors - On Monday, August 27 we will have several Finnish students visiting the department. They are studying horticulture in Finland and have come to the U.S. to see both academic and commercial sides of the profession. Graduate student Marie Toivio will be touring them on Monday in St. Paul, and on Tuesday they will visit the Research Center and Arboretum. On Wednesday they will drive to Duluth where Arvo Kallio, who has helped arrange this trip, will tour them in the Duluth area.

Alderman Hall Office - Yes, there have been some more changes, this time in furniture rearrangement (thank you, Dave Olson). We who work in the office are pleased at this point by our new arrangement, and feel it will help us get our jobs done more effectively.

Water Watch - Alderman Hall is running at .23 mega ohms. The greenhouse still is also operating well.

Lobby Display - As announced last week, a new exhibit for the Alderman lobby is being planned. Harold Wilkins and Deb Brown are organizing it and need photos depicting faculty and staff in their young and tender horticultural years. The pictures will be displayed without identification. An award is in store for the

Lobby Display continued...

person correctly identifying the most pictures. Join the fun. Confound your friends and co-workers. Hunt up an early photo and give it to Harold or Deb by September 15.

Open Positions - There are still some vacancies in the department support staff. All the jobs are posted at the main personnel office. The positions are Assistant Gardener (2 openings) at the Hort Research Center (job #17073), Research Plot Coordinator at the Hort Research Center (job #16467) and Secretary in the main office of Alderman Hall (job #16987). Application should be made through the Personnel Department.

Thanks - to Laura Pommier who has ably and pleasantly filled in this week in our secretarial vacancy in the main office. She will be working at the State Fair next week but will return after Labor Day.

Academic Positions - There are a number of position announcements on the bulletin board behind the main office. A few recently received are as follows: Assistant/Associate or Professor of Pomology, Cornell University available January 1980; Assistant Professor of Horticulture (woody ornamentals), Michigan State University available immediately; Head, Department of Plant and Soil Science, Montana State University for July 1980; Assistant Professor of Horticulture Science (landscape horticulture), North Carolina State University; Assistant or Associate Professor Landscape Horticulturist, Southern Illinois University; Chairperson, Horticultural Technology Division, University of Minnesota Technical College, Waseca.

# TWIG-BENDER

Vol. 2, No. 33, August 31, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & Landscape Arch.  
Editor: Linda Olson

This Week September 3-9

Monday - Labor Day, University Holiday -  
Office closed.

Friday - Consultative Committee, 3 PM,  
398 Alderman.

Upcoming: Tuesday, September 11, 8:15 AM,  
Staff Meeting.

College Bulletin: The 1979-81 College of Agriculture Bulletin has been distributed, and our department is well represented in the photographs. The cover, a stylized drawing of a photo taken in Mark Brenner's lab features Professor Don White and students Marikis Alvarez, Kris Bernardy, Kathryn Maddox and Mich Hein. Inside the Bulletin on p. 60 Professor Read is pictured with advisee Jan Kieft. "The Garden" is featured on p. 82 and again on p. 132 with Alderman and Hodson Halls in the background.

Water Watch: Use with care the full tank of water we have because the still broke again.

"Parking": Soon the indoor population of Alderman Hall will be increasing with the return of students and the beginning of classes. With the people population up it is more important than ever to keep the cycle population down. There is a University regulation prohibiting the parking of unicycles, bicycles and mopeds (to mention the variety we've seen) in Alderman. Please assist in maintaining a safe building by leaving your vehicle outside.



Display: "Oh you must have been a beautiful baby, you must have been a wonderful child." Photos have been dribbling in slowly for the gala new lobby display case exhibit. We need your likeness at an early age - any age - when you were young and sweet (younger and sweeter?). Please submit pictures to Deb Brown or Harold Wilkins. THIS IS NO TIME FOR FALSE MODESTY!

Hospitalized: Word has been received that Helen (Mrs. Glenn) Bean has had surgery and faces a long hospitalization for her recovery. Helen served as department secretary for many years both in St. Paul and later at the Arboretum. Cards can be sent to her at Methodist Hospital.

Federal Grants: A note on grant spending - regulations governing the expenditure of federal grant funds are increasingly restrictive. It is now nigh to impossible to transfer charges for an item to a federal grant after the time of the original purchase.

Shuttle Bus: New bus schedules have been received. The route remains the same, but bus times have been altered slightly. Beginning September 24 the schedule is as follows for Fall Quarter:  
Leaving From the Fairgrounds Parking Lot:  
7:22AM to 9:52AM: A bus will leave every 6 minutes.  
3:55PM to 5:07PM: A bus will leave every 12 minutes: At 7, 19, 31, 43 and 55 minutes after each hour.

# TWIG-BENDER

Vol. 1, No. 34, September 7, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & L A  
Editor: Linda Olson

## This Week September 10 - 16

- Tuesday - Staff Meeting - 8:15 -  
10:00 a.m. - 394 Alderman
- Extension Staff Meeting -  
10:00 - Noon, 394 Alderman
- Saturday - Extension Retirement Party  
for Roland Abraham - 6:00  
p.m., Great Hall, Radisson  
South

WELCOME - To Susan Fuhrman who has begun to work for Harold Pellett as a Jr. Scientist. She is a hort graduate in ornamentals and received her degree in June of this year. She will be working at both the Arboretum and the Hort Research Center.

\*\*\*\*\*

REMINDER - Submit your pictures to Deb Brown or Harold Wilkins by the end of this week, Friday September 14. This new display will be fantastic. You must be included!!

!!

RECOVERY - Helen Bean, who was mentioned last week as hospitalized, is now continuing her recuperation at home.

@@

OPEN POSITION - Our department has an opening for a secretarial position in the main office. Though we prefer to hire one full-time person, we are willing to consider two part-time people who can work regular blocks of time. If you know of anyone who is interested, please tell Laura Kalisch.

\$

HORTICULTURAL LANGUAGE - Harold Wilkins and Pat Hencir, ably aided by coffee room kibitzers,

## Hort Language continued

have submitted the following copy. They would welcome additions to what they have compiled so far:

Upsetting the apple cart; a regular Johnny apple seed; plow a straight furrow; like two peas in a pod; red as a beet; X is a bad apple; has a cauliflower ear; is a string bean, a cabbage head, a pumpkin head; my corns hurt; X is as cool as a cucumber; a tomato; a cherry; a potato head; a nut; a carrot top or head; is a prune face; apple of X's eye; X is a lemon, a limey; ample melons; giving X the raspberry; a rhubarb at the ballgame; X is a peach, a fruit, a pansy, a wall flower, bulbous, bean brain, clinging vine, shrinking violet, pining away, a sage; X has rosy cheeks or peaches and cream complexion; giving X the berries; grass widower; under the sod; pounding the turf; does not let moss grow under foot or on your back and -- It Is All "Sour Grapes"!!

P.S. Hope your pear shape does not have you resting on your laurels, you're all fresh as a daisy and your lily is guilded so you're not going to seed and all of this is not too corny!!

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# TWIG-BENDER

Vol. 2, No. 35, Sept. 14, 1979  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticulture, Science & L A  
Editor: Linda C. Olson

This Week - September 17 - 23

Wed - New Graduate Student Orientation,  
Room 310 Alderman Hall - 8:15 - noon

Fri - Growth Chamber Requests Due!!

Dave Olson on vacation - leave requests in  
his p.o. box

COMING UP - Monday September 24, Prelim  
Question. Faculty - locate your name tags,  
first week of classes coming!!

\*\*\*\*\*

CONGRATULATIONS to David Bedford, Junior  
Scientist at the Arboretum and HRC. He  
passed his final oral exam this week for  
his MS in horticulture at Colorado State  
University. Congratulations too to Terry  
Howe who has accepted a position as  
Assistant in Plant Physiology at the Braden-  
ton Agricultural & Research Education Center  
of the University of Florida. Terry takes  
up her duties there at the beginning of  
October.

\*\*\*\*\*

REMINDER: Faculty please have your growth  
chamber requests to Paul Read by Friday  
the 21st.

\*\*\*\*\*

LOST: Help!! We are missing a carousel  
projector case -- black plastic. Please  
return to the Main Office.

\*\*\*\*\*

NEW GRADUATE STUDENT ORIENTATION: Wednesday  
the 19th at 8:15 a.m. is the beginning of  
our second annual customized orientation  
for horticulture graduate students. Individ-  
ual notices will detail the events of the  
morning. As well as "new" new graduate  
students, "old" new graduate students (having  
missed the benefits of last year's program)  
are welcome.

\*\*\*\*\*

WELCOME: To new graduate students Laurel  
Conviser, Jay Dean, Carlos Fear, Scott  
Gatty, Jeanne Gunning, Dyremple and Lurline  
Marsh, Ricardo Mejia, Barb Spinks, Mark  
Widrelechner. Welcome also to newly  
arrived graduate students from Morocco  
who are studying here as part of our pro-  
gram with Hassan II in Rabat, N. Cheikh,  
H. Elattir, M. Khachami, L. Laaouane,  
A. Marrakchi and A. Zaid.

\*\*\*\*\*

Sunday - September 16 at the Arboretum the  
Daffodil Society is having a bulb sale.

\*\*\*\*\*

WELCOME to Van Cline our new Assistant Pro-  
fessor in Landscape Architecture. Van  
has come here from Iowa State University.  
His office is 426 and his phone 3-1259.

\*\*\*\*\*

A LAST REMINDER - This is your final  
opportunity to the ever-expanding  
cast of cuties that will be displayed  
in our main lobby this fall. Wilkins  
and Brown will hang the display Wed-  
nesday night, September 19th. If  
you have not yet given them an old  
photo of yourself, please do so by  
Wednesday. Late comers (after Wed.)  
will be relegated to a less desirable  
position in the cabinet. Remember,  
it is your departmental duty to con-  
tribute!!!

\*\*\*\*\*

MEMO TO ALL TRAVELERS: Now that you've  
had some R & R following your summer  
excursions to annual meetings, I'd  
like to remind you of proper procedures  
to follow in traveling on University  
business and in spending University  
funds.

Permission for all out of state travel  
(in excess of 100 miles from Minnesota  
borders) should be requested on a  
Travel Authorization; this form should  
be submitted PRIOR to the trip. If  
an advance is being requested, please  
allow a minimum of 2 weeks for the  
TA to be routed through the proper  
channels. In filling out a TA,  
please be sure to include your Social  
Security number and an accurate esti-  
mation of dates, destinations &  
expenses. Even if no funds are re-  
quested, it is to your advantage to  
file a TA (i.e., for insurance pur-  
poses). A TA is not necessary for in-  
state travel unless an advance is  
requested.

You should keep in mind that any funds  
encumbered on research grants (0665-  
XXXX-XX budgets) require an explana-  
tion of how the travel will benefit  
the grant. The Office of Research  
Administration demands this type of  
information on TA's; failure to pro-  
vide it causes unnecessary delays.

Upon returning to the Twin Cities,  
you must be sure to file a Travel  
Expense Voucher to account for ex-  
penses incurred on your trip. If  
you didn't receive an advance, the  
U will reimburse you. On the TEV's,  
please be sure to fill out your com-  
plete HOME address, including zip  
code. The U does not require receipts  
for meals but receipts are necessary  
for everything else (lodging, regis-  
tration fees, etc.).

TA and TEV forms may be obtained in  
the Main Office. If you have questions  
about U related travel, please see me.

Angie.

\*\*\*\*\*

COFFEE - The coffee fund is too low  
again so if you haven't paid for  
September yet, please do so.

# TWIG-BENDER

Vol. 2, No. 36  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & L A  
Editor: Linda C. Olson

THIS WEEK - September 24-30

## FIRST WEEK OF CLASSES

- Mon. - Prelim Question for Grad Students  
- Monday Night Discussions, Refuge  
7:00 p.m.
- Tue. - United Minnesota Horticulture (UMH)  
Supper, Hort Greenhouse, 6 p.m.
- Wed. - Consultative Committee, 398 Alderman  
Hall, 8:15 a.m.  
- Seminar, 415 Alderman, 4:00 p.m.  
presentation by Jim Ozbun  
- Institute French Program organiza-  
tional meeting - B42 COB, 4:45 p.m.
- Sat. - Autumn Festival, 10:00 - 4:00 at  
the Arboretum

FACULTY - This is "Nametag Week"!!!

\*\*\*\*\*

WELCOME to Ted Pew and Eric Luetgeos, new  
Assistant Gardeners at the HRC.

\*\*\*\*\*

GRADUATE STUDENTS - There is an opportu-  
nity to write a prelim question on Monday.  
Laura Kalisch will have questions and blue  
books. The question may be written be-  
tween 8:00 a.m. and 4:30 p.m.

\*\*\*\*\*

FIRST SEMINAR - Wednesday is the first  
departmental seminar of this academic year.  
A schedule of topics for all Wednesdays  
of the fall quarter will soon be out.  
Paul Boldt is coordinating the seminar  
series this year. Unless otherwise an-  
nounced Seminar is always held on Wednes-  
days at 4:00 p.m., in 415 Alderman.

\*\*\*\*\*

WELCOME BACK to Leon Snyder and Francis  
deVos who have returned from the Pacific  
Northwest. They were leading an Arboretum  
tour of approximately 40 people to arborea  
and botanic gardens in the area of  
Seattle, Vancouver and Victoria.

\*\*\*\*\*

DISPLAY - Come on, all you shy violets!  
Wouldn't you like to place your petals  
alongside your colleagues' blooming in  
the all new, better than ever photo dis-  
play on 3rd floor Alderman? Deb Brown &  
Harold Wilkins, being both kind & soft-  
hearted (not headed) are still accepting  
contributions cheerfully.

FACULTY MEMBER BEGINS LEAVE - Cecil  
Stushnoff is leaving this week to be-  
gin an 8 month stay in Washington, DC  
at the USDA, Science & Education Admin-  
istration. He will be working there  
in Cooperative Research as a specialist  
in horticulture. While he is in Wash-  
ington, Dave Wildung from the North  
Central Experiment Station will be here  
in the department with responsibilities  
for the teaching and research in Cecil's  
area. In May we will welcome back the  
Stushnoff family. Right now, welcome  
to Dave Wildung. His office will be  
342 Alderman and his phone, 3-1030.

\*\*\*\*\*

LA FACULTY - Last week we welcomed new  
Assistant Professor Van Cline. Now the  
welcome is extended to include the  
arrival of other new LA faculty: Katy  
Weidel, Gail Elnicky and Bob Sykes.  
Dean Abbott will again be teaching in  
the program.

\*\*\*\*\*

WELCOME to new grad students Philip  
Chang and Murdaningsih Haeruman. Also  
welcome to the scholars from the  
Peoples' Republic of China who arrive  
at the University today. Those study-  
ing in our department are Ms. Zheng-  
Yan Shen and Mr. Yon-yu Xu.

\*\*\*\*\*

SOCIAL COMMITTEE - The social committee  
will be meeting soon to organize this  
year's parties. If you have any sug-  
gestions or new ideas please leave them  
with Laura Kalisch or Darleen Ulrich  
by Friday September 28.

\*\*\*\*\*

AUTUMN FESTIVAL - Saturday the 29th is  
the annual Autumn Festival at the Arbo-  
retum sponsored by the Arboretum Auxil-  
lary. The hours are 10-4 and will  
include a sale of many items. To men-  
tion a few: herbs, bulbs, fresh flowers  
and produce, homemade refreshments, bird  
feeders.

# TWIG-BENDER

Vol. 2, No. 37  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & L.A.  
Editor: Linda C. Olson

## THIS WEEK - OCTOBER 1-7

- Mon - Social Committee, 10:00 a.m.  
398 Alderman  
Monday Night Discussion -  
7:00, Refuge, presented by  
A. Berre.
- Wed - Seminar, 4:00, 415 Alderman,  
D. Davis - "Recent Observations  
of Cuban Food Crop Production"
- Fri - Film show on Korea, 7:30, p.m.,  
Auditorium of McNeal Hall, shown  
by Dr. Ryland Hill, Dean Emeritus  
College of Engineering, Univer-  
sity of Washington.

Do you want to be included in the weekly  
calendar? We are happy to include  
notices of seminars of interest, lunch  
hour discussions, etc.

GRADUATE STUDENTS: Today's scheduled  
meeting concerning GSC is cancelled.  
Further explanation will be given Monday  
evening.

\*\*\*\*\*

GRANT DEADLINE: USDA/SEA - Genetic  
Mechanisms for Crop Improvement and  
Biological Nitrogen Fixation proposals  
for funding FY 1980 due in hort office  
November 2. Due in Washington Nov. 9

\*\*\*\*\*

Take Heart Bike Riders!! We have been  
promised a second large rack at the 1st  
floor entrance to Alderman Hall.

\*\*\*\*\*

This is just a reminder that all PhD  
students must schedule their oral exams  
with the Grad School office not later  
than 7 days prior to the exam. Because  
of the number of exams being taken, un-  
scheduled exams pose a special problem.  
Exams can be scheduled either by having  
the student come to room 316 Johnston  
and filling out a scheduling form or by  
calling Jennifer Bell at 3-7912.

\*\*\*\*\*

WATER WATCH - .27 mega ohms and all is  
well!!!

\*\*\*\*\*

QUESTIONS ABOUT PAY CHECK DEDUCTIONS? For  
those of you who noticed a deduction on your  
9/15 check designated "personal", this is  
the category used for contributions to the  
St. Paul Campus Improvement Fund. Anyone  
who agreed to donate to the Fund through  
payroll deduction will have the annual  
amount taken out of paychecks issued during  
the academic year.

\*\*\*\*\*

ROOM RESERVATIONS - From time to time horti-  
culture groups outside the department wish  
to use our facilities for evening meetings.  
Our policy is to allow groups to use space  
as long as they respect our property and  
our building regulations and understand  
their meeting time may be preempted if we  
have a department need for the room. Mary  
Bandow who coordinates classroom use, will  
also be keeping track of room use by out-  
side groups. Please contact her or have  
outside groups contact her regarding the  
use of rooms 394, 398 & 152.

\*\*\*\*\*

LOST: A white carton of liquid scintillation  
vials with my name on the lid was thrown  
out of the herbicide lab, Rm 249 sometime  
this summer. This box may have been placed  
in another refrigerator in Alderman. If  
you have seen this carton, please contact  
Pat Holloway in Rm 266 immediately. Thanks.

\*\*\*\*\*

Members of the Alderman Hall community -  
take advantage of the chance for local  
exercise, take the stairs and not the  
elevator, if it's only yourself you are  
transporting. This request comes from  
those who need to transport research  
materials from floor to floor and need the  
elevator. Thanks for your help.

\*\*\*\*\*

Faculty-students-staff: Remember, Twiggy  
is pleased to report trips taken, meetings  
met, proposals penned. Tell all and it  
will be retold here!!

\*\*\*\*\*

THANKS to everyone who helped make the  
Tuesday night UMH dinner a success!!!

# TWIG-BENDER

Vol. 2, No. 38 -- October 5, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & L A  
Editor: Linda C. Olson

## THIS WEEK - OCTOBER 8-14

- Mon - Columbus Day - But no University Holiday
- Monday Evening Discussions, 7:00  
Refuge, Discussion of prelim question.
- Tue - Staff Meeting, 8:15 a.m., 394 Alderman
- Extension Staff Meeting, 10:00 a.m.  
394 Alderman
- Wed - Seminar, 4:00 p.m., 415 Alderman,  
Paul Li on "Potato Cold Acclimation"
- Thur - Stress Physiology Discussion, Noon,  
398 Alderman, "Drought Avoidance  
in Crop Plants"
- Fri - Membrane Transport Information  
Seminar, Noon, 394 Alderman,  
R. Lumry, "The Living Membrane"

DISPLAY - There is still lots of room in the rogue's gallery in the 3rd floor display. If you have not yet turned in your picture, please do so. Let's see some grad students too. The more, the merrier. - Deb Brown.

\*\*\*\*\*

ST. PAUL STUDENT CENTER - This week the noon series Tuesday through Friday is "Outdoors in the Cities", recreational opportunities in metro parks. The programs are in the North Star Lounge.

\*\*\*\*\*

SOCIAL COMMITTEE - Don't forget the departmental fall picnic will be held on Sunday, October 21 beginning at noon. Anyone wishing to help press apples for cider is welcome to do so. Reservations must be in by Wednesday, October 17 so the car pools can be organized. The Hort Club is once again sponsoring this event.

\*\*\*\*\*

COFFEE - Anyone wishing to join the departmental coffee club is welcome, the charge is \$5.00 per month. We ask only that: 1) if you take the last of the coffee from the right pot, you make a fresh pot on the left. It isn't at all difficult (instructions are posted on the cabinet), 2) never try to re-heat coffee by pouring already made coffee into the machine, and 3) by paying each month to keep the coffee fund in the black. Those who pay by the cup (.15¢) are also asked to follow these guidelines. We are only able to provide coffee in the department if these few guidelines are followed closely. Thanks.

\*\*\*\*\*

WELCOME - To Dave Wildung from the North Central Experiment Station, who will be here during Cecil Stushnoff's leave to USDA/SEA in Washington.

\*\*\*\*\*

MEETINGS - The biennial meetings of 2 groups are being held in Madison, WI in early November. The National Pea Improvement Association meets on Nov. 6, and the Bean Improvement Coop meets Nov. 7-9. Anyone interested in going should contact D.W. Davis or Luke Waters. Diseases, genetics and physiology of these crops will be discussed and an attendance of 200 is expected.

\*\*\*\*\*

WELCOME - To John Helligren from Lund University, Sweden. John has interrupted his graduate studies at Lund for a year to join the Laboratory of Cold Hardiness. He will be doing research with Dr. Li.

\*\*\*\*\*

ON LEAVE - Word has been received that Cecil Stushnoff has arrived safely in Washington.

# TWIG-BENDER

Vol. 2, No. 39 - October 12, 1979  
05 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & L. A.  
Editor: Linda C. Olson

## THIS WEEK OCTOBER 15-21

Mon - Monday Evening Discussions, 7:00,  
Refuge, presentation by M. Alvarez

Wed - Seminar, 4:00, 415 Alderman,  
Dr. Harry Hoitnik from Ohio State  
University

RSVP's for the Hort Club's Fall  
Potluck Picnic are due TODAY

Thur- Stress Physiology Discussion  
Group, Noon, 398 Alderman,  
"Interrlations Between Heat  
Stress & Cold Stress"

Plant Physiology Seminar, 3:00  
64 BioSci, Dr. Gregory Schmidt,  
University of Georgia

Fri - Plant Membrane Transport Seminar,  
Noon, Dr. D. Levitt, Department  
of Physiology

Sun - Department Picnic, Noon, at  
the Arboretum

SEMINAR SPEAKER - Dr. Hoitnik will be in  
the department and available to meet  
with department members on Wednesday.  
There is a file folder with his  
schedule in the 3rd floor office. If  
you would like to see him please sign  
up for a time. If you have any questions  
see Paul Boldt.

\*\*\*\*\*

GREENHOUSE EXPERIENCE - There is an ex-  
cellent opportunity for hort students  
to gain experience in greenhouse con-  
struction. The department is erecting  
a new teaching greenhouse just south  
of our existing greenhouse. If you are  
interested please see Richard Widmer  
(office 458, 3-1562). It is possible  
to arrange credit for the hours worked  
on the greenhouse.

\*\*\*\*\*

GET WELL WISHES - to Paul Read who is  
now recuperating and resting somewhat  
comfortably at home.

DEAN'S OFFICE - A reminder that autumn  
decorative materials have been requested  
by Dean Tammen. If you have any, please  
bring them in.

\*\*\*\*\*

WATER WATCH - The quantity is up and the  
quality slightly down. Today's reading  
is .21 mega ohms.

\*\*\*\*\*

POTLUCK PICNIC - Please be sure to have  
you RSVP's in to Laura by Wednesday,  
October 17 so car pools can be arranged  
before Sunday. There is a .50¢ charge  
per person so if you have signed up and  
haven't paid please do so. Thanks.

\*\*\*\*\*

FAREWELL - To Carol Carlson whose last  
day is the 19th. She has accepted a  
position with Control Data Corporation  
dealing with tissue culture in their  
new greenhouse.

\*\*\*\*\*

UPCOMING - December 8, the Third Annual  
More-Incredible-Than-Ever, Horticultural  
Science and Landscape Architecture  
Christmas Party at the Arboretum. The  
dance band has been engaged - mark your  
calendars now!!

\*\*\*\*\*



d. thornberg



# TWIG-BENDER

Vol. 2 No. 40  
305 Alderman Hall, St. Paul MN 55108

Department of Horticultural Science and L.A.  
Editor: Linda C. Olson

## THIS WEEK - October 22-28

- Mon - Monday Evening Discussions, 7 p.m. Refuge, presentation by Loren Stephens
- Wed - Seminar, 4 p.m., 415 Alderman Thomas Lillesand from the College of Forestry on "Remote sensing in agriculture"
- Thurs - Stress Phys. Discussion Group, Noon, 398 Alderman, Enzymatic activity at sub-zero temperatures  
- Plant Physiology Seminary, 3 p.m. 64 BioSci, John Carter on "Membrane lipids and freezing stress"
- Fri - Plant Membrane Transport Informal Seminar, Noon, 394 Alderman, Ok Young Stadelmann, "Membrane lipids and membrane transport"

This Sunday! Department Picnic at Arboretum at noon. The location has been changed to Morgot Shelter at the Arboretum. Look for signs giving directions just before you get to the Arboretum gate. See you there!

Congratulations to Larry Parsons who has accepted a position as assistant professor with the University of Florida. Larry will be working at the Lake Alfred Experiment Station in a research and extension position dealing with frost and drought tolerance in citrus crops.

Thanks from the office staff to those of you who have been showering us with flowers. We love it!

Visitors Professor Andres Morales R. of the Instituto de Ciencia Agricola (INCA) and Instituto Superior de Ciencia Agropecuarias (ISCAH) both of the University of Havana, is currently visiting our department. Anyone interested in contacting him should see Dave Davis. Professor Morales teaches a plant breeding course at ISCAH and is a rice breeder at INCA. He is heading the 7 member Cuban delegation currently visiting our campus until October 27. Five of the group are graduate students whose interests include soil science, horticulture, plant breeding, plant pathology, animal science and veterinary medicine. The students plan to attend our picnic on Sunday.

Other recent visitors to the department include Dr. Shunpei Uemoto from Kyushu University in Japan. He is visiting today with Dr. Wilkins. Dr. Mary Barr from the Agriculture Experiment Station, U.S. Forest Service in Albuquerque, New Mexico is visiting with Dr. Brenner. Dr. Warren Barnham, Head of the Horticulture Department of Texas A & M, was here one day this week.

Water Watch Even when watched the water's not always well. Wizard says the stills are not feeling well. Help has been summoned.

## Civil Service Performance Evaluations

Evaluations are currently being completed for civil service employees for the performance increase ("merit raise") effective January 1, 1980. Any CS employee who has been in his/her class for 6 months and on the university regular payroll for 12 months will receive an evaluation at this time. Anyone in this group who's been evaluated and received a raise more recently than last January, however, will have this January increase pro rated to compensate for the earlier increase.

All this is part of the program to put all CS personnel on a uniform schedule with performance increases on January 1 of each year and cost of living adjustments on July 1. There are very strict limitations to each department on how much of an increase can be awarded. We cannot submit figures any higher than an average increase of 3.5% for C schedule employees and 4.0% for A schedule employees.

## Contract Negotiations Settled

The state mediator issued a proposal which the union recommended to its membership. Balloting on the proposal was completed October 11 with ratification by the membership. The proposal will next be presented to the Board of Regents at their meeting November 8 and 9. Details of the terms of the new contract should be available the week of November 12.

Help! Carts want to live in the greenhouse! Please return them.

# TWIG-BENDER

Vol. 2, No. 41 -- October 26, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci. & L.A.  
Editor: Linda C. Olson

This Week October 29 - November 4

- Monday - Monday Night Discussions, 7:00PM, Refuge, presentation by Shimmy Chen.
- Wednesday - Seminar, 4:00PM, 415 Alderman, "Ethrel to stimulate ripening and coloring of Minnesota apple cultivars," by Leonard Hertz.
- Thursday - Stress Physiology Discussion Group, Noon, 398 Alderman, "Winterburn in evergreens."  
- Plant Physiology Seminar, 3:00PM, 64 BioSci, "Regulation of RNA synthesis during wheat embryo germination," Jerry Jendrisak, Botany Department.
- Friday - Plant Membrane Transport Informal Seminar, Noon, 394 Alderman Hall, S. Prager, Dept. of Chemistry.
- Upcoming: Nov. 7, Hort Club Meeting.

Reminder - Graduate School deadline for final examination report and all other forms and fees submitted for Dec. 12 commencement is NOVEMBER 7.

NATO Postdoctoral Fellowships in Science, 1979-80, deadline for application November 2. Awards are made to scientists for work at an institution in a NATO country other than the U.S. See Linda Olson for more information.

Hort Sports! This weekend, Runner Beens 10:00AM game on Saturday, Hortus Sportus 10:00AM game on Sunday - both games Paul Field.

Botany 5211 - This course in plant taxonomy - a survey of Angiosperm families was cancelled. Tom Morley who teaches the course, however, says that anyone who wants to get the material but won't be here the next time it's offered should see him. He is willing to make arrangements to deal with it as a special topics course. His number in the Botany Dept. is 3-2229.

Special Seminar: On Tuesday, November 6, David Mok of the Department of Horticulture, Oregon State University will be speaking on "Genetic regulation of cytokinin metabolism and interspecific hybridization in Phaseolus." There will be a sign up sheet in the 3rd floor office for the hours he will be available to meet with interested persons. The seminar is Tuesday, Nov. 6, 10:00AM, 415 Alderman.

Note! In order to avoid bumping into friends and colleagues at times you hadn't intended to, sign up for conference rooms in advance. Reservation calendars for rooms 394, 398 and 152 Alderman are in the 3rd floor office. Reserve class times as well as meetings.

## NEW UNIVERSITY PAYROLL SYSTEM

The University is planning to institute a new payroll system in October 1980. The change will affect all of us regular and misc. payroll, Civil Service, Academic and Bargaining Unit personnel. All employees will be on a bi-weekly payroll with payday on alternate Wednesdays 26 times per year beginning October 1 of 1980. The system is still in the planning stages so many details have yet to be settled; however, the main outlines seem to be firmly committed to.

Though all of us will have the same payday those with non academic appointments will be paid on a delayed basis; those with academic appointments, on a current basis. The reason for this is that the requirements of non-academic employment, for example the recording of sick and vacation leave, leave without pay, overtime earned, are most efficiently met when all that information can be entered and verified before the paycheck is issued. The academic system does not have those requirements so there is no particular advantage to delaying payment on those appointments.

Personnel is setting up a mechanism for issuing interest free loans to employees switching to the delayed system. These loans can be repayed by payroll deduction over 26 pay periods.

Many details are still to be worked out. This is meant purely as a beginning piece of information.

Missing: Two spiral reels for developing 35 mm film are missing from the Dark Room. Please return them.

Also Missing: Three shelves made for growth chambers have been taken without the taker being identified. We want to know whom to bill for the takes. Please let Dave Olson know. Remember he can build you those extra shelves you need.

Alderman Hours: There has been a change in the hours the building is regularly open. The doors will be unlocked 7:00AM - 7:00PM during the week and on Saturdays from 7:00AM - Noon. Students in Studio II of the Landscape Architecture Program now have keys which enable them to get to that studio only. In order to maintain the security of laboratories remember to close interior corridor doors and check to see they are locked.

The papers to be discussed in Incompatibility Discussion next week are:

Wallace, D. H. 1979. Interactions of S. Alleles in Sporophytically Controlled Self Incompatibility of Brassica. TAG 54:193-201.

Wallace, D. H. 1979. Procedures for Identifying S. allele genotypes of Brassica. TAG 54:249-265.

Copies are available in Room 327.

WEDNESDAY - HAPPY HALLOWEEN!! CELEBRATE A HORTICULTURAL CROP

# TWIG-BENDER

Vol. 2, No. 42 -- November 2, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & L.A.  
Editor: Linda C. Olson

This Week November 5 - 11

- Monday**
- Consultative Committee, 9:30AM, 398 Alderman (Note change in time!)
  - Potluck lunch for Larry Parsons, 310 Alderman.
  - Monday Evening Discussions, 7:00PM, Refuge, presentation by Abderrahmane Hilali.
- Tuesday**
- Seminar, 394 Alderman, David Mok, Department of Horticulture, Oregon State University, "Genetic regulation of cytokinin metabolism and interspecific hybridization in *Phaseolus*."
  - Graduate Studies Committee, 1:00PM, 398 Alderman Hall.
- Wednesday**
- Seminar, 4:00PM, 415 Alderman, Paul Boldt, "Possible selectivity mechanisms for foliarly-applied diclofop-methyl, an annual grass herbicide."
  - Hort Club, 5:30PM, 415 Alderman.
  - Deadline in Grad. School for forms for December commencement.
- Thursday**
- Stress Physiology Discussion Group, Noon, 398 Alderman, "Winter survival in lower plants."
  - Plant Physiology Seminar, 3:00PM, 64 BioSci., Marta Carceller, "Accumulation of free proline in Maize roots."
- Friday**
- Plant Membrane Transport Seminar, Noon, 394 Alderman Hall, John Carter, "Phase transitions and permeability in liposomes."
  - Pre-registration, 1:00-4:15 PM, 423 Alderman Hall.
- Saturday**
- Deadline for ticket reservations for Harvest Bowl

**Visitor** - David Mok from Oregon State University will be in the department on Tuesday, November 6. There is a sign up sheet in the main office if you wish to visit with him.

**Grant Deadlines:** We have received word that USDA Competitive Grants proposals in Nitrogen Fixation and Genetic Mechanisms are due in Washington December 14. Therefore the department deadline is December 1.

**Growth Chambers:** It would be helpful to Dave Olson (and thus to users too) if you would put the relevant faculty and graduate student names and time and temperature requirements on the outside of your growth chamber. Also! If you hear a growth chamber alarm, notify the owner.

**Welcome** - to Channa Rajashekar who has joined the department as a Research Associate with Paul Li's project.

## FELLOWSHIP COMPETITIONS

**Graduate School Fellowships:** one year awards for newly-entering students (to be followed by two years departmental support). \$4,000 + tuition. Nomination Deadline - Mid-February, 1980.

**Graduate School Opportunity Fellowships For Disadvantaged Students:** one year awards for newly-entering students (to be followed by one year departmental support) \$5,000 + tuition. Nomination Deadline - Mid-February, 1980.

**Endowed Fellowships:** Fellowships supported by private funds; terms and stipends vary. Nomination Deadline - Mid-March to Early April, 1980.

**Doctoral Dissertation Fellowships:** one year awards for candidates who have completed prelims, all coursework, language requirements, etc. by the deadline date. \$4,300. Nomination Deadline - Mid-May, 1980.

**Water Wiz:** You may have noticed that we have gone through a prohibition era i.e. the still has been out of commission. Hopefully this has not caused the extra work of Bootleg runs from the tank in the Greenhouse. Well, the building is no longer "dry". Safe, good quality (.27 megohms) product is now available on tap at your local research establishment. Please, as always use in moderation.

Yours: Under the influence,  
Dave 'Bugsy' Olson

## HORT SPORT

**Runner Beens:** Between the showers last Saturday, the Runner Beens emphatically outplayed the Grasshoppers with a comfortable 3-0 win. Volkert, Julie, Norm and Paul played superbly, supported by old faithfuls MNA and OQL. This week the playoffs continue for the Beens on the St. Paul Field at 9AM on Sunday Nov. 4th. We need to win this one to top our division!

**Hortus Sportus:** Only six members of the talented SPORTUS squad were available for last Sunday's game. Despite a three man advantage, the Jimmy Gluees were held to a very close game but eventually prevailed over the Hort men in a 1-2 goal game. The six soccer stalwarts put on an excellent exhibition of open attacking play and the feeling on both teams was that a full strength Hort team would have easily completed the rout. This weekend Hortus Sportus will play at 2:00PM on Saturday Nov. 3rd on the St. Paul Field.

**Found:** In Room 305 - One tripod. Please see Angie if you have misplaced it.

**Condolences** to Sue Fuhman who has cracked her ankle and who is gamely getting about on crutches at the HRC.

**DON'T FORGET PRE-REGISTRATION!**

# TWIG-BENDER

Vol. 2, No. 43 - November 9, 1979  
305 Alderman Hall, St. Paul, MN 55108

Dept of Hort Sci & Land Arch...  
Editor: Linda C. Olson

- Today: 1) PRE-REGISTRATION 1-4 p.m.,  
423 Alderman Hall  
2) FIRST SNOW FALL OF SEASON!!

## THIS WEEK - November 12-17

- Mon - Monday Night Discussion - 7:00 pm,  
Refuge
- Wed - Seminar - 4:00 pm, 415 Alderman,  
Steve Grier - "Corn Borer Resist-  
ance in Sweet Corn"
- Thur - Brown Bag - Noon - B45 COB -  
Donald Rasmussen - "The University  
Delegation to China: A Report to  
the College"
- Noon - Karlis Kaufmanis - "Star of  
Bethlehem" - 33 McNeal
- Fri - Plant Membrane Transport - Noon -  
394 Alderman. Presentation by  
W. Cunningham, Genetics & Cell  
Biology
- Harvest Bowl - College of Agricul-  
ture

IN MEMORIAM - The sad news was received  
this week that on Nov. 5, Genevieve  
Scholtes died after a long battle with  
leukemia. Gen was a junior in hort with  
special interest in hort therapy. Fol-  
lowing a bone marrow transplant in early  
1978, her health improved and she resumed  
classes and spent the summer working as a  
counsellor at Camp Courage; however, she  
was unable to continue classes after  
78-79. Gen showed great courage against  
what turned out to be insurmountable odds.  
Her cheerfulness and quite perseverance  
can continue as an inspiration to all of  
us who knew her.

\*\*\*\*\*

WATER WATCH - 27 mega ohms and 3/4 of a  
tank showing.

\*\*\*\*\*

WELCOME - To Gro Flattebo who has just  
joined the department as a Laboratory  
Technician for Paul Read. Gro has her  
degree from the University in biology.

\*\*\*\*\*

UPCOMING - The Minnesota Nurserymens  
Annual Conference, Dec. 2, 3 & 4. See  
program on Bert Swanson's door.

\*\*\*\*\*

CONGRATULATIONS - To Scott & Nancy  
Walcker whose daughter, Elizabeth Ann,  
was born this week on Nov. 5.

\*\*\*\*\*

GARBAGE MOUTH - In the past few weeks the  
hort shop has had numerous requests for  
the repair of ailing lab sink garbage  
disposals. In most cases, the ailment  
is due to severe abuse. Units have been

## Gargage...continued

found to contain: yards and yards of  
soil, broken pots, glass, plastic,  
brushes, pipet tips, etc. When these  
units become clogged, they must be  
repaired, not by this shop but by Plant  
Services. I will still be the person  
to contact for service but most often  
the PS people will be called in. The  
calling of PS will no doubt be as  
costly as a 2 hour phone conversation  
to a college in Warsaw, Poland, i.e.,  
the last repair total was \$160, this  
cost is charged to the lab user. In  
conclusion, to save time and money,  
please put only soft, grindable mat-  
erials down the disposals and feed  
gradually. An easy rule of thumb  
would be: If You Can't Eat It (if you  
were so inclined) Don't Put It Down  
The Disposal!! Sincerely yours,  
Burp (DJO)

\*\*\*\*\*

SKIT PARTY - The departmental holiday  
party held here will be on Dec. 14 -  
start thinking about your skit now!

\*\*\*\*\*

MISSING - The General & Chemical Store-  
house Catalog from the main office.  
This is a departmental copy; if you've  
borrowed it, please return it immedi-  
ately!! If your lab needs a copy,  
please see Angie about obtaining one.

\*\*\*\*\*

STILL FOUND - One small, aluminum  
tripod. If you've left it in room  
305, please claim it soon; several  
people have expressed interest in  
ownership.

\*\*\*\*\*



"What's this new little thing of swearing in French?"

# TWIG-BENDER

Vol. 2, No. 44 - November 16, 1979  
305 Alderman Hall; St. Paul, MN 55108

Dept of Hort Sci & Land Arch  
Editor: Linda C. Olson

## THIS WEEK - November 19-25

Mon -Monday Evening Discussion,  
7:00 pm, Refuge, presentation by  
Mohamed Meduar

Wed -Seminar, 4:00 pm, 415 Alderman,  
Bess Hum, Minnesota Dept. of  
Agriculture, "Horticultural  
crop marketing surveys."

Thur -HAPPY THANKSGIVING

Fri -HONORABLE RECOVER FROM OVEREATING  
AND STAY AT HOME DAY (Office closed)

Sat& Sun -Last days of the Arboretum Annual  
Photography Contest -on display at  
Arboretum auditorium

DON'T FORGET - CHRISTMAS PARTY -Dec. 8,  
Arboretum! Buy tickets from Laura Kalisch

\*\*\*

Reminder: Just as even John Wayne had  
to put his pants on one leg at a time,  
so we can only put grants on the Wang  
one at a time. Please anyone aiming  
for the rapidly approaching SEA deadline  
who has a grant done early, bring it in  
before the deadline

\*\*\*

Notice: At last your curiosity can be  
fulfilled! Today - the pictures in the  
main lobby have been identified. Come  
see if your best guesses were right,  
your worst suspicions confirmed.

\*\*\*

Reminder: USDA/SEA grant deadlines.  
Grants are to be ready to leave the  
dept. on the dates listed:

- Dec. 3: Genetics mechanisms and  
nitrogen fixation
- Jan. 2: Biological stress (to avoid  
secretarial stress please  
remember all the holidays  
between Dec. 21 & Jan 2)
- Jan. 21: Photosynthesis

Available: Ice machine, for anyone who  
has use for it. It is in need of a new  
auger and evaporator (repair bills have  
been estimated to be approximately \$400).  
That's a far cry cheaper than a new  
machine. See Pam Myers-Strangis in  
Dr. Ascher's lab, if you are interested.  
First come, first serve.

\*\*\*

Missing: One thin, white, plastic 3 ring  
binder with the initials RLH on its  
spine. This binder contains the notes  
for Hort 3074, Landscape Management. If  
found please put in Rita Hummel's  
mailbox.

\*\*\*

Coffee Room Fridge will be defrosted  
Wednesday, November 21. Be there,  
aloha.

\*\*\*

Words of Wisdom - received recently  
from the Laboratory of Cold Hardiness:

"In order to recognize which is life we  
must first deal with the somewhat  
broader question of what is life. Here  
we discover that others have preceded  
us and provided quite a range of an-  
swers. We consider each answer in-  
dividually but we are invariably dis-  
appointed. A bowl of cherries? Too  
pat. A cabaret? Not in this neigh-  
borhood. Real? Hardly. Earnest?  
Please.

"It is by this painstaking method of  
careful examination and eventual rejec-  
tion that we reach a conclusion: Life  
is something to do when you can't get  
to sleep. Therefore, that which we  
call civilization is merely the  
accumulated debris of a chilling  
number of bad nights" (1).

(1) Lebowitz, F., "Metropolitan Life,"  
Fawcett Crest Books, New York, 1978.

# TWIG-BENDER

Vol. 2, No. 45 - November 21, 1979  
305 Alderman Hall, St. Paul, MN 55108

Dept of Hort Sci & Land Arch  
Editor: Linda C. Olson

## THANKSGIVING ISSUE

Before you overeat, a glimpse at what's coming up...

Next Week - November 26-December 2

- Mon - Monday Night Discussion, 7:00 p.m.,  
Refuge, Presentation by Tom Kosier
- Wed - Graduating Seniors Luncheon - 11:45  
Earl Brown Center
  - Seminar - 4:00 p.m., 415 AlderH  
Dell Christianson, "Development of  
Specialty Crop Programs"
- Thur - Stress Physiology Discussion Group  
Noon, 398 AlderH - "Interactions  
Between Breeders & Physiologists"
- Fri - Informal seminar on plant membrane  
transport, Noon, 394 AlderH,  
N. Goldberg, "Membrane Signals and  
Cyclic Nucleotides"

\*\*\*\*\*

REMEMBER - Only 2 weeks until the annual, unforgettable department HOLIDAY PARTY AT THE ARBORETUM!!! Buy your tickets now from Laura Kalisch in Alderman Hall or Darleen Ulrich at the Arboretum. Don't miss this one!! The band has been booked, the dance floor is ready and a festive spread of holiday hors'd'oeuvres will be provided by all of us attending.

\*\*\*\*\*

CONGRATULATIONS - To graduate student Douelmacane Walali and his wife, who this week became the proud parents of twin daughters.

\*\*\*\*\*

GRANTS AVAILABLE - Material has been received from the Office of International Programs on several kinds of funding. The programs funded are: 1) OIP small grants research program, 2) OIP development grant program, 3) MUCIA travel and related activities grant program, 4) MUCIA inter-university grant program, and

## Grants...continued

5) Title XII strengthening grant program. Faculty may apply for 1 and 5; graduate students, for 5. Linda Olson has further information and forms.

\*\*\*\*\*

THANK YOU RECEIVED - The following note was received recently from Ruth Wirt at the St. Paul Dining Center: "Now that the flower beds have been put to "bed" and waiting for the snow -- I hope you can still accept a "thank you" from us at the Dining Center for the beautiful flowers enjoyed this summer in the flower bed triangle and in front of the greenhouses. You made coming to work "beautiful"."

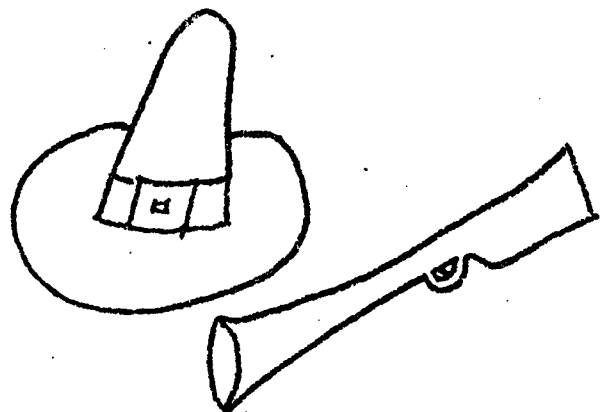
\*\*\*\*\*

EMPLOYEE NEEDED - We are looking for a University student, preferably a student eligible for Work/Study, to work in the department offices. If you are interested or know of anyone who is, please see Laura Kalisch.

\*\*\*\*\*

SKITS: Remember Friday, December 14 is the 1979 Christmas Skit Party. Hopefully hilarious humor is beginning to hatch. Don't pass up a chance to be a part of the creative milieu.

\*\*\*\*\*



A Thanksgiving salute to that first American ménage a trois, Standish, Alden and Mullins.



# TWIG-BENDER

Vol. 2, No. 46 - November 30,  
305 Alderman Hall, St. Paul, MN 55108

Dept of Hort Sci & Land Arch  
Editor: Linda C. Olson

## This Week December 3-9

- Monday:** -Grants to be submitted to USDA/SEA genetic mechanisms and Nitrogen Fixation due in office
- Monday Evening Discussion, 7:00 p.m., Remember Alderman Hall provides a show-Refuge, presentation by - Will Healy
- Tuesday:** -SAFETY CHECK OF ALDERMAN HALL
- Plant Sale, Hort Club, 9:00 a.m.-3:00 p.m. 125 Coffey Hall
- Wednesday:** -Hort Club, 5:30 p.m., 415 AldH
- Saturday:** -HOLIDAY PARTY, 8:00 p.m. Arboredum

Additional call for talent-Fri. afternoon Dec. 14 is the annual Friday Afternoon Live at which the Not Ready For National Coverage Players view with each other for the most unforgettable (we tried but we couldn't forget it) skit of the year.

Remember Alderman Hall provides a show-Refuge, presentation by - Will Healy case for your talent: The party starts at 2:30 in 310. Please tell Laura if you have a skit.

Hort Club Plant Sale - Foilage plants, hanging baskets, some Christmas cactus and pointsettias will be sold on Tues. the 4th from 9:00 a.m. to 3:00 p.m. in 125 Coffey Hall.

Arboretum Conservatory - Francis deVos has recently returned from Ft. Myers, Florida where he chose plants from the collection of Dr. Meyers Deats for the new conservatory. The proposed date for the completion of the addition is December 21.

Faculty Promotion and Tenure - Beginning Monday the 3rd folders will be available and may be reviewed in Dr. Ozburn's office by tenured faculty. All appropriate faculty must review these documents prior to the meeting scheduled for December 17.

Phones - Phones in faculty offices in Alderman light up and buzz (when they see someone cute) at the back up switch-board on the 3rd ring. Therefore, if you are in your office and intend to answer the phone please pick it up on the first or second ring. This will eliminate unnecessary effort in the offices and stop those duet hellos when both you and we answer your caller at the same time.

THANKS

Hort Industries Conference Display - A display about work in the department will be prepared for use in the Carl Brown Center as part of the Conference. If you have something you would like included in such a display please contact Dick Rideout (3-0344).

SAFETY ALERT - A staff member from Environmental Health & Safety will be touring Alderman Hall on Tuesday looking for health and safety hazards. Please help eliminate them (the hazards, not the inspectors) before Tuesday. This is an advance notice.

From Jody, the temporary receptionist

Bye you guys, it's been real .....

## Coming Up

- Monday, December 10,** Consultative Committee
- Tuesday, December 11,** Staff Meeting, 8:15 a.m., 394 Alderman Hall
- Monday, December 17,** Meeting of tenured faculty to discuss promotion and tenure

~~~~~

Welcome - to Evonne Kyuper who begins her duties as receptionist in the main office Monday morn

Congratulations to the seniors honored at last night's graduation ceremonies. Most recent alumnae and alumni of the University include:

- Jody Bjornson     Lyle Mueller
- Carol Carlson     Judith Pearce
- Cynthia Folland     Carol Reamer
- Deborah Frey     Laura Rotegard
- James Graf     Linda Sederstrom
- Ronald Monson

Bob Muellen was the official representative of the department. Paul Read was the other faculty member who attended.

????????????????????????????????????????????????????????????

Graduate Study Support: Graduating seniors considering graduate study or those with MS degrees we have received word of the availability of 2 teaching and 2 research assistantships in horticulture at Washington State University. Half time assistantships carry the benefit of in-state tuition and are paid at the following rates: TA - pre M.S. \$585/mo, post M.S. \$620/mo for 9 mos; RA- \$505/mo for 12 mos. If you're interested call (collect) to Wayne Loecsher or Ernie Smith, Head, at (509) 335-9502.

////////////////////////////////////

Water Watch: from Wiz, .28 megaohms and a full tank.

\*\*\*\*\*

Holiday Parties - Have you bought your tickets yet? At last count Laura Kalisch had sol 120 tickets; Darleen Ulrich, 18. There's still plenty of room on the dance floor. Remember, Dec. 8 is the annual and unforgettable so don't forget to buy your ticket. \$3.00 per person.

From Jody, the temporary receptionist

# TWIG-BENDER

Vol. 2, NO. 46 - December 7, 1979  
305 Alderman Hall, St. Paul, MN 55108

Dept of Hort Sci & Land Arch  
Editor: Linda C. Olson

## This Week - December 10-16

- Mon - Consultative Committee; 2:00 p.m.,  
398 Alderman Hall
- Tue - Staff Meeting; 8:15 a.m., 394  
Alderman Hall
- Extension Staff Meeting; 10:30  
a.m., 394 Alderman Hall
- Fri - Holiday Skit Party; 2:30 p.m.,  
310 Alderman Hall

UPCOMING - Meeting of tenured faculty,  
Monday, December 17, 8:30 a.m., 394  
Alderman Hall.

\*\*\*\*\*

REMINDER - FACULTY - Dossiers prepared  
for consideration for promotion or  
tenure are available for tenured faculty  
to review in Dr. Ozburn's office. They  
must be reviewed prior to the Dec. 17  
meeting. All full professors need to  
review all files; associate professors,  
one file.

\*\*\*\*\*

INFLATION FIGHTER - We just received a  
notice that the University now has  
large gasoline storage tanks at Fleet  
Services in Minneapolis. Consequently,  
we could realize savings in buying gas  
from Fleet Services. Fuel is dispensed  
there 7:45 a.m. to 4:30 p.m., Monday  
through Friday. Departmental vehicles  
have maps on the visors.

\*\*\*\*\*

COLLEGE OF AG - Teaching Improvement  
Seminar - The seminar is scheduled  
from 3:00-4:00 on Thursdays in Room 69  
of McNeal Hall. The theme for this  
quarter is "Teaching & Teaching Stra-  
tegies". Graduate students interested  
in teaching are encouraged to register  
for AgEd 5130 - "Effective Teaching:  
College of Agriculture". Participa-  
tion in the Teaching Improvement Sem-  
inar constitutes part of the course  
requirements. Students having ques-  
tions should contact either Keith  
Wharton (3-0921) or Vernon Cardwell  
(3-0875).

\*\*\*\*\*

WATER WATCH - In an attempt to provide  
high quality water for the holidays,  
we are happy to report .3 megahms.

\*\*\*\*\*

HOLIDAY SKIT PARTY - Starts at 2:30  
p.m. this coming Friday, December 14.  
Please let Laura know if you are  
planning to present a skit and the  
approximate length of it. There is a  
.50¢ donation for the cookies and  
punch for the afternoon. Come join  
us -- the skits, singing and fun are  
free!!

\*\*\*\*\*

BROWN BAG SEMINAR - A slide presen-  
tation on the TRE Nursery will be  
shown on Wednesday, December 12 at  
noon in room 394 Alderman Hall by  
Bert Swanson.

\*\*\*\*\*

HOLIDAY PARTY at the Arboretum is this  
Saturday (tomorrow!) so don't forget!!  
If anyone who didn't sign up before  
should change their minds, we will be  
happy to have you join us. Tickets  
will be available at the door!! SEE  
YOU THERE!!

\*\*\*\*\*



Santa Claus  
Drawing by Thomas Nast



# TWIG-BENDER

Vol. 2, No. 47 - December 14, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

## This Week - December 17-23

- Mon** - Meeting of tenured faculty on promotion and tenure, 8:30 a.m., 394 Alderman Hall.
- Tue** - GSC Policy and Credentials Meeting, 398 Alderman Hall.
- Fri** - Interdepartmental Seminar (Plant Path) 1:30 p.m., 274 McNeal Hall

**TODAY - 2:30 The SKIT PARTY - 310 Alderman**

\*\*\*\*\*

**THANKS** - To the stalwart members of the social committee and to all those at the Arboretum who were hosts once again for a fabulous Holiday Party.

\*\*\*\*\*

**CONTRATULATIONS** - To Maria Toivio and Marikis Alvarez who recently passed their PhD exams, and to Terry Ferriss who passed hers this morning.

\*\*\*\*\*

**DIRECTORS SELECTED** - The IAFHE has announced the appointment of two new directors. The Director of the Minnesota Cooperative Extension Service is Dr. Norman Brown from Michigan. The director of the Agricultural Experiment Station is Dr. Richard Sauer from Kansas.

\*\*\*\*\*

**CONGRATULATIONS** - To Mike Dana and his wife Beth who are the proud parents of a new daughter, Erica. She was born at 8:15 a.m. on Wednesday morning weighing in at 8 lbs 5 oz.

\*\*\*\*\*

**GROUND ROUNDER** - This evening there's a gathering at the Har Mar Ground Round to celebrate recent celebratable events such as exam passings and daughter birthings. All are invited, and it begins after the skit party.

\*\*\*\*\*

**SYMPATHY** is extended to our Sr. Accounts Specialist Pat Hencir and to her family. Pat's husband Tom died last night at Unity Hospital where he had been hospitalized. Nothing is known at this point about the family's plans for funeral arrangements. Our condolences are also offered to Shirley Munson whose mother died last week.

\*\*\*\*\*

**SPACE COMMITTEE** - The department space committee is gathering data on the use of space and needs for space. A questionnaire will be sent to faculty on Monday, December 17. It needs to be returned by January 10 to Linda Olson. In conjunction with the study, a student or staff member may soon be asking questions about the characteristics of some building space. Any help you can give that person will be appreciated. The committee will report at the February staff meeting.

\*\*\*\*\*

**MISSING** - Typewriter which was in 233C on a small typing table. Please notify Paul Li if you have it or know where it is.

\*\*\*\*\*

**YOUR'RE INVITED** to a party, Decmeber 16 at 7:30 p.m, at Harold Wilkins' home 2101 Doswell. It's the Terry Gilbertson-Ferriss PhD Passage Celebration. All are welcome.

\*\*\*\*\*

**WATER WATCH** - Still running at .30 mega ohms with 1/2 a tank.

\*\*\*\*\*



# TWIG-BENDER

Vol. 2, No. 48 - December 21, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

## This week - December 24-30

Mon } University holidays, office  
Tue } closed, Merry Christmas  
Wed } These are unfortunately not  
Thur- } University holidays - office open-  
Fri - } folks discussing presents

Coming Up: January Staff Meeting,  
Tuesday, January 8.

\*\*\*\*\*

EDP Proposals - A reminder that anyone wishing to submit an EDP proposal through the College needs to file an EDP Proposal Intent Form to Keith Wharton by Mon, Jan. 28. There will be a brown bag session to review EDP guidelines Mon, Jan 7 from noon to 1 pm in 120 Coffey Hall.

\*\*\*\*\*

Alumnus Death - we have received news that Vincent Iverson died in November, 1978. He received his Ph.D. from Minnesota in 1939 and served at Montana State University for 26 years, 8 of which he was Chairman of the Horticulture Dept.

\*\*\*\*\*

Faculty Seminar/Workshop - winter quarter given by the Consulting Group on Instructional Design will meet once each week on Mondays, 1:15-3:00 pm beginning Jan. 7. This has been designed to assist faculty with developing new materials or approaches for courses. Call LaVonne Molde at 3-5352 to register.

\*\*\*\*\*

Alpha Zeta Alumni Scholarships - Eugene Allen has notified the Scholarship Comm. that Alpha Zeta Alumni Scholarships will again be available to College of Agriculture students in 1979-80. These scholarships will be available to individual students, or groups of students, who wish to travel to attend a meeting of an appropriate professional, scientific, or technical society or association. (Note: Judging teams are not eligible.) The awards can be used for meetings held between Sept. 24, 1979 & Sept. 29, 1980. If you have students wishing to apply, forward their letter of application to Keith Wharton by Fri, Jan 11, 1980.

This short letter should include the name, major, and classification of the student; date, location and identification of the meeting; purpose of meeting; and any recommendations you wish to add.

\*\*\*\*\*

Water Watch - .26 mega ohms and 3/4 of a tank. One of the 2 stills has been ill this week. The doctors have been here and it's condition is improved.

\*\*\*\*\*

Safety Check - On December 4 we were visited by an inspector from Environmental Health and Safety. On the whole we came out well, but we did receive a number of citations. To let you know how bad some areas are, however, Brenner's office passed the neatness test, others didn't. Some folks are in real trouble. After the holidays Dave Olson will be following up with individuals on specific areas that need attention.

\*\*\*\*\*

Christmas 1979 - However you spend them and where, the TWIG wishes you a very special Christmas and a New Year of peace and health.



# TWIG-BENDER

Vol. 2, No. 49 - December 28, 1979  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

## This week-Dec.31-Jan.6

- Mon. - This is NOT a holiday. Office open as usual.
- Tue. - New Year's Day. This is the HOLIDAY Stay home. Welcome to the 80's,
- Wed.
- Thur.
- Fri. - Interdepartmental Seminar, 1:30pm  
274 McNeal Hall

Coming Up: Monday, Jan. 7: Consultative Committee 10:30 a.m., Monday Evening Discussions 7:00 p.m., Refuge; PRELIM QUESTION 8-4:30 Monday.

\*\*\*\*\*

Water Watch - .28 mega ohms and a full tank.

\*\*\*\*\*

ROOM 201 USERS: David J. (clean it up) Olson will be on the prowl as previously announced to right the wrongs noted during our recent safety check. During the week of Jan. 7 he will be "doing" room 201, i.e. chucking anything loose and apparently discarded. Note that is anything, not anyone. You can carry on your work but to avoid losing something crucial, please attend to it prior to Jan 7. 201 was a room cited for "general housekeeping" during the safety check.

\*\*\*\*\*

WELCOME to Charlie Guy, a new graduate student who will be working with John Carter.

\*\*\*\*\*



## CHEERS

\*\*\*\*\*

Title XII Strengthening Program Grants - We have received forms for support requests in 4 categories connected with Title VII. The forms for making requests are very simple and agriculture proposals should have a very good chance for funding. The categories are: 1) Collegiate-level matching grants 2) interdisciplinary conferences and studies 3) development of an international dimension in courses and extension activities 4) small research grants. Linda Olson has forms. Please come and look at them to see which category you would like to apply under. Deadline for proposals to be received is January 15.

\*\*\*\*\*

A HAPPY  
NEW YEAR

# TWIG-BENDER

Vol. 3, No. 1 - January 4, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci. & L. A.  
Editor: Linda C. Olson

## This Week - January 7-13

- Mon - PRELIM QUESTION - 8:00 a.m. - 4:30
  - Presentation on IRRI activities, Dr. John C. O'Toole - 415 Alderman 4:00
  - Monday Evening Discussions - 7:00 Refuge - Presentation by Richard Johnson; Pilgrimage to the Pan-handle for refreshments & pizza following meeting
- Tue - Staff Meeting - 8:15 a.m., 394 Alderman
  - Extension Staff Meeting - 10:30 394 Alderman
- Wed - Seminar - 4:00 p.m. - "Alterations in membranes of root cortex cells under water stress" - Marta Carceller.

NOTE: Consultative Committee cancelled for Monday

VISITOR - Dr. John O'Toole, currently at the International Rice Research Institute in the Philippines will be visiting the department on the 7th & 8th. There is a list in 305 for you to sign up to visit with him. He will be giving a talk on Monday afternoon.

\*\*\*\*\*

WELCOME - To new graduate students Carl Cantaluppi and Heather Landin. Carl's advisor is Luther Waters and Heather will be advised by Peter Ascher. Also, we have a visiting student from the University of Alaska Agriculture Experiment Station, Rebecca McGee.

\*\*\*\*\*

PRELIM QUESTION - Being administered Monday. Pick up the question from Laura Kalisch. It can be written between 8 a.m. & 4:30 p.m. in 394 & 398.

\*\*\*\*\*

NEW AT HRC - Mr. Gerald Ochocki currently working in agronomy will begin his duties as Research Plot Coordinator at the Hort Research Center on February 1.

\*\*\*\*\*

TITLE XII GRANTS - There is still time to consider writing a brief proposal for Title XII funds coordinated by the Office of International Programs. The deadline is January 15, Linda Olson has the forms.

\*\*\*\*\*

WORK-STUDY - A student may bring in a completed application which is available from the Office of Student Financial Aid & be awarded Minnesota State Work-Study (if eligible) on the spot. The funding is available to Minnesota residents who are full-time students, & applications can be processed on a walk-in basis. If you know of any students who are full-time students & are MN residents, please encourage them to apply. The eligibility criteria for the program are more liberal than for the Federal College Work-Study program. We anticipate that this new procedure will produce an additional supply of work-study students for winter & spring quarters.

\*\*\*\*\*

## UNTITLED

*The youngster that came from Wisconsin  
Has been here so long that he's staggrin'  
The mind once so quick  
Has it started to stick?  
Is that why there's gray on his noggin?*

*Yes, he's been here for such a long time  
That he's ripened like fruit on the vine  
But he says as he puffs  
On the foul, brown stuff,  
"After all this, I'm just thirty \_\_\_\_"*

Anon.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3, No. 2 - January 11, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & L A  
Editor: Linda C. Olson

## This Week January 14-20

- Mon - Monday Night Discussions, 7:00 p.m.  
Fireplace Room, McNeal Hall, presentation by: D. Walali
- Tue - Deadline for Title XII/OIP grants due at Office of International Programs
- CRIS Reports (form 421) due to Virginia Dahm for those filing Experiment Station Progress Reports
- Wed - Seminar, 415 Alderman, 4:00 p.m., "Horticultural Projects at the North Central Experiment Station", by Dave Wildung
- Fri - Deadline for thesis registration, Grad School for March 22 degree date

COMING UP: Friday January 25, all day LA Open House, "Landscape Architects: A Leadership Role in the 80's"

Monday January 28, EDP proposal intent form due in College Office.

MISSING: All those slide carousels we own have been gobbled up again and not signed out. If you have a slide tray you are finished with, rush it back to the workroom. We have none and have heard many requests of late for them.

\*\*\*\*\*

CONGRATULATIONS to Dr. & Mrs. Francis DeVos who have a new granddaughter born the 5th of January.

\*\*\*\*\*

GRAD STUDENTS: Appointments for grad student photos are being filled in the order of those returned. If you have not received a notice or cannot make the scheduled dates, please drop a note in Bob Lyons' mailbox. Individual assignments will be out on Mon & Tue.

\*\*\*\*\*

ROOMS: We have several available for dept. use with the scheduling conveniently done in the 3rd floor office. Please make use of the calendars to sign out & reserve

## ROOMS continued

in advance the following rooms: 152 AldH, 394 AldH, 398 AldH, and the greenhouse classrooms. Every time you sign up you assure yourself of a space & make it clearer for another person looking for space. The calendars are located on the shelf across from Laura Kalisch's desk.

\*\*\*\*\*

CAMPUS LANDSCAPE: The faculty & staff of the dept. are invited to participate in an informal workshop concerning campus landscape planning. It will be held Jan. 15, Tuesday from 1-4 p.m. in room 310 Alderman and will be open so you may come and go as you please. Come & share your concerns and ideas.

\*\*\*\*\*

VISITOR EXPECTED: Joe Sowokinos of the Red River Valley Potato Research Lab will be here in St. Paul for the remainder of the academic year. He is looking for housing. If you have a suggestion, call him at (218) 773-2473.

\*\*\*\*\*

TAX LETTERS: Dept. letters are being prepared for those grad students who have held research and/or teaching assistantships during the tax year 1979. Those letters will be ready on Feb. 1. As they are ready and signed they will be put in mailboxes.

\*\*\*\*\*

ADDRESS CHANGES: An easy way to change addresses for your magazines & other publications is to send the titles & mailing labels of all the publications you receive, along with your new address, to Magazine Action Line, Publishers Clearing House, 382 Channel Drive, Port Washington, NY 11050. They will forward the necessary info to the appropriate publishers -- FREE of charge.

\*\*\*\*\*

MISSING - The Silver Coffee Carafes. If you have them or know where they are PLEASE RETURN IMMEDIATELY!!!

# TWIG-BENDER

Vol. 3, No. 3 - January 18, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

## This Week January 21-27

- Mon - Monday Evening Discussions, 7:00 p.m., Fireplace Room, McNeal Hall, Discussion of Prelim Question
- Tue - Special Staff Meeting, 8:15 a.m., 394 Alderman
- Wed - IAFHE Faculty Meeting, 3:00 p.m., 120 Green Hall
- Open House - Remodeled St. Paul Campus Student Center; noon - address by Secretary Bob Berglund
  - Seminar - 4:00 p.m., 415 Alderman, "Use of meiotic restitution in breeding for yield & total protein in potatoes" - Richard Veilleux
- Fri - Landscape Architecture Open House - North Hall - begins at 11:00 a.m.
- UPCOMING - Consultative Committee - Thursday, January 31, 1:00 p.m., 152 Alderman

CAREER INFORMATION SEMINAR - January 30, Noon to 4:30 p.m., Earle Brown Center. On the afternoon of January 30th the College of Ag Student Board is sponsoring a Career Information Seminar. They have invited 40 sponsors representing the various agencies & firms that regularly come to campus to recruit our graduating seniors to participate in the seminar. Each of the sponsors will host a table at noon & then will be available to visit with students the remainder of the afternoon. Dean Tammen has requested that students who wish to participate be allowed to make up work that is missed & asks that instructors, wherever possible refrain from scheduling exams on the afternoon of January 30.

\*\*\*\*\*

LANDSCAPE ARCHITECTURE OPEN HOUSE - Everyone has received notice of the event. There will be speakers of interest during the day. In addition, this will be a chance to see some of the North Hall facility. Plan to take some time & stop at the Open House.

\*\*\*\*\*

TAPERECORDER OUT - Our Wollensak blew not only its fuse but its transformer as well & will be out for repair for a few weeks. You will need to make alternative arrangements if you need to use one. There is not a 2nd one available in the office.

\*\*\*\*\*

CAROUSEL PROJECTORS - Folks are beginning to forget again to sign these out. The system is simple & instructions on its use are posted in the workroom. Before coming to blows with a colleague or finding yourself equipmentless & hassled before a class, please cooperate & use the system we have. The same state of affairs exists relative to the overhead projectors.

\*\*\*\*\*

WATER WATCH - .25 ohms & 1/3 tank.

\*\*\*\*\*

HORT SPORT REPORT - You may think the winter is quiet, but in fact 3 Hort teams are in action. The men's basketball team lost their first game 76-31 in spite of Magic Mich's 16 points!! They are not discouraged however, & wait to take on the next challenger. No scores were available, but also in action are the co-rec volleyball & co-rec basketball teams.

\*\*\*\*\*

GRANTS SUBMITTED - A grant was submitted to USDA under the category biological stress by Ed Stadelmann, "Host membrane permeability in powdery mildew of barley." That work is proposed cooperating with Bill Bushnell of the cereal rust lab.

\*\*\*\*\*

MISSING - A quart plastic bottle of Cycocel from lab 425. If found please return.

\*\*\*\*\*

THE CSRS FORM 421, PART 85 WERE DUE TO VIRGINIA DAHM ON TUESDAY, JANUARY 15. IF YOU HAVEN'T TURNED YOURS IN YET PLEASE DO SO AS SOON AS POSSIBLE!!!!

# TWIG-BENDER

Vol. 3, No. 4 - January 25, 1980  
205 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

## This Week January 28-February 1

- Mon - Undergraduate Affairs Committee -  
11:00 a.m., 398 Alderman
- Monday Evening Discussions -  
7:00 p.m., Fireplace Room, McNeal  
Hall, presentation by Ezzudain  
Abustait
- DEADLINE for EDP Proposal Intent  
Forms, College of Agriculture
- DEADLINE for AES Part 5
- Wed - Seminar, 4:00 p.m., 415 Alderman  
Hall, Neil McHale, "Inheritance  
of tuber characteristics of Solanum  
tuberosum Group Phureja via normal  
and unreduced gametes."
- Thurs-Plant Membrane Transport Brown Bag,  
Noon, 398 Alderman, Rufus Lumry,  
Chemistry, "The hydrophobic pro-  
tein."
- Consultative Committee, 1:00 p.m.,  
152 Alderman Hall
- Sun - "Gardens of the Pacific Northwest"  
Francis deVos, 1:00 p.m., Arboretum  
Auditorium

COMING UP: Pi Alpha Xi pot luck - January  
28.

REMINDER - Personal Items: The Univer-  
sity does not assume liability for any  
personal items you bring on campus. Any  
such items, books, coats, radios, type-  
writers that you bring into Alderman  
Hall are brought at your own risk.

\*\*\*\*\*

PI ALPHA XI: Members are reminded of the  
pot luck at noon on Monday the 28th in  
394 Alderman Hall. Bring your nomina-  
tions for officers.

\*\*\*\*\*

GRAD SCHOOL FACULTY RESEARCH GRANTS:  
We will soon be getting an official  
notice, until then be advised that the  
next submission deadline is March 10,  
1980. These are the monies granted by  
the graduate school for the support of  
faculty research particularly for  
newer faculty members establishing  
their research programs. Linda Olson  
is receiving some forms from the Gradu-  
ate School.

\*\*\*\*\*

HORT SPORT REPORT: The hort co-rec  
basketball team, the Bushel Baskets,  
played their season opener on Thursday,  
January 17 against the Ag Econ & Busi-  
ness Club. With a good team effort  
the Bushel Baskets led at half-time,  
but the opponents came back in the  
second half to defeat the hort team  
36-29.

\*\*\*\*\*

HITHER & THITHER: The bad news is Peter  
Mos got his car stuck in the snow at  
the Arboretum. The good news is the  
amazing Arboretum rescue team did not  
try to help him out.

\*\*\*\*\*

RECENT JOB NOTICES RECEIVED: Several  
have come in and the bulletin board  
should be checked.

\*\*\*\*\*

THOUGHT FOR THE WEEK: An idealist is one  
who, on noticing that a rose smells better  
than cabbage, concludes that it will also  
make better soup." - H.L. Mencken,  
"Sententiae" 1020.

\*\*\*\*\*

TEACHING SEMINARS: Faculty are reminded of  
the series of teaching seminars scheduled  
for winter quarter. This series has been  
developed by the Teaching Improvement Com-  
mittee of the College of Agriculture &  
each faculty member has received a memo  
detailing the series.

\*\*\*\*\*

LIGHT BULBS: If you need specialized light  
bulbs for your project see Dave Olson before  
ordering them on your own. He has informa-  
tion on prices and sources.

\*\*\*\*\*

# TWIG-BENDER

1. 3, No. 5 - February 1, 1980  
5 Alderman Hall, ST. Paul MN 55108

Department of Hort Sci & Lands Arch.  
Editor: Linda C. Olson

This Week -- February 4-10, 1980

Mon. Monday Evening Discussions, 7 p.m.  
Fireplace, Room McNeal Hall, presentation by Steve Ruce

Wed. Seminar, 4 p.m., 415 Alderman,  
Gary Malzer, Soil Science, "Root  
growth in relationship to plant  
nutrition"

Thurs. Plant Membrane Group, Noon, 398  
Alderman, Norm Huner, "Chloroplast  
membranes: some aspects of structure  
and function"

College of Agriculture Curriculum  
Committee Meeting, 101 Coffey Hall  
10:00 a.m.

Upcoming: Staff Meeting 8:15 Tuesday,  
February 12 and Extension Staff  
Meeting immediately following

## Graduate Fellowships

The deadline for nominating incoming students for graduate fellowships is rapidly approaching. Dick Widmer is coordinating the department nominating process. Please see him right away and certainly no later than Friday, February 8, regarding your nominations.

## Staples

The Winter Crops and Irrigation Forum is scheduled for 10 a.m. Tuesday, February 12 at the Staples AVTI.

## Faculty Reminder

Individual Contributions are due by February 15. Please submit to Laura Kalisch or Linda Olson when completed.

## Research Assistantship

We have received news of a graduate research assistantship available July 1, 1980. The research is to be centered around the interrelation of summer stress and growth regulators and their effect on cold acclimation of apple trees. It is for a PhD

program but can be modified to fit a Master's program. The assistantship carries a salary of \$6,545 per year. Course work would be taken at Pullman and research would be performed at Wenatchee. During the stay at Wenatchee, the candidate would receive about \$40 per month in addition to the salary. If you are interested, please contact Delmer Ketchie, Associate Horticulturist, at the Tree Fruit Research Center, Washington State University, Wenatchee, Washington 98801, (509) 633-8181.

## Hort Sport Report

The Hort co-rec volleyball team, the Flowering Spikes, has been in full bloom this season with an amazing 3-0 record. The Spikes nearly "wilted" in last Wednesday's game but team captain Wayne Brown pulled them out of their slump at the last minute!

In co-rec basketball, the Bushel Baskets claimed lopsided wins on January 24 and 31. The hort team defeated Dahlman Seeds 64-16 in the first game

and won the second game 60-31, upping the team's season record to 2-1. Team members include Carlos Fear, Dana Cipperly, Peggy Griewe, Mark Leiser, Sue Galeota, Charlotte Eberlein, Mich Hein, Paul Read, Karl Ruser, Julie Hanson, and Lucine Roat. Next game for the Bushel Baskets is February 14.

## Federal Research Budget

Cecil Stushnoff has given some recent information on federal funding for agriculture research. The 1981 budget has been submitted to, but not acted upon by, Congress. As it went to the legislators it contained increases (6%) in Hatch funding, primarily to keep up with inflation. There is a significant (\$6 million) increase proposed for basic research in plant sciences in the SEA Competitive Grants program. Areas newly supported in other parts of the budget include Pesticide Clearance, Pesticide Impact Assessment, IPM, and energy research. The general funds (\$2.5 million) for research on high priority areas of agriculture research in this year's budget were not continued in next year's budget.

## Water Watch

.25 and 1/8 of a tank of watched water



# TWIG-BENDER

Vol. 3, No. 6 - February 7, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci. & Land. Arch.  
Editor: Linda C. Olson

## THIS WEEK FEB. 11-17

MON - PRELIM QUESTION: pick up from Laura Kalisch, 8:00 a.m.-4:30 p.m.

Monday Evening Discussions, 7 p.m.  
Fireplace Room, McNeal Hall, presentation by Ron Nelson

TUE - STAFF MEETING: 8:15 a.m., 394 Ald.H.  
Extension Staff Meeting, 10:15 a.m.  
394 Alderman Hall

Landscape Arboretum/Hort.Research  
Center Advisory Committee 1 p.m.,  
398 Alderman Hall

WED - Cuba Report, 12 noon, St. Paul  
Student Center Auditorium

Seminar, 4 p.m., 415 Ald.Hall,  
Norm Huner "Structure and function  
of RuBP carboxylose-oxygenase as  
related to cold hardiness in  
potato and rye."

THR - Graduate Studies Committee, 9 a.m.,  
398 Alderman Hall

Plant Membrane Transport Group,  
12 noon, 398 Ald.H., J.Fohlmeister,  
Physiology, "Electrophysiology of  
excitable membranes."

VALENTINES DAY - Make someone your  
valentine!

FRI - Interdepartmental Seminar, 1:30 p.m.,  
274 McNeal

Deadline for College of Agriculture  
reports and agenda items for March 4  
Assembly meeting

SAT & - Film at the Arboretum "Planting &  
SUN Transplanting" noon, 1:00 & 2:00 p.m.  
Auditorium

UPCOMING EVENTS Hort. Industries Conference, Feb 25,  
26 and 27th. Put on your calendar  
now.

TODAY - Is February 8. Do you want to give  
Dick Widmer an incoming student  
nominee for a graduate fellowship?  
Well, then let him know TODAY!

MISSING: A very important file. A brown  
file folder with a plastic tab containing  
documents for Barb Spinks' orientation  
exam. If you see this please return to  
Bert Swanson.

\*\*\*\*\*

WELCOME BACK: To Paul Boldt and Len Hertz  
who just returned from the week science  
meetings in Toronto.

VISITOR: Monday Dr. Earl Gritton and  
two grad. students from the U of Wisc.  
will be here. Contact Dav Davis if  
you would like to see them.

\*\*\*\*\*

WELCOME: To Zygmunt Skowronski who  
arrived last week at the Hort. Res.  
Center. Mr. Skowronski teaches in the  
area of horticulture and cold hardiness  
at Akademia Rolnicza in Poznan, Poland  
and will be here for 6 months. He will  
be working this winter with John Lange  
at the HRC.

\*\*\*\*\*

CONGRATULATIONS: To Evonne Kuyper in  
the main office who has been promoted  
to Senior Secretary. Mary Bandow now  
works full time for the Landscape  
Architecture Program, but remains in  
Alderman Hall until the new offices  
in North Hall are ready.

\*\*\*\*\*

CUBAN REPORT: On Wednesday the 13th there  
will be an open forum in the auditorium  
of the Student Center. Dan Goldman will  
be one of the participating students  
who recently visited Cuba. The forum  
is open to everyone. Come hear Dan &  
others share their information on Cuba.

\*\*\*\*\*

FAREWELL: To Dr. Joon Ho Kim who has  
been with the department for a year.  
Dr. Kim, who is a Professor of Botany  
at Seoul National University will be  
returning to Korea on Feb. 15. While  
in Minnesota he worked in our dept.  
on water relations and in Botany on  
plant productivity. We wish him a  
pleasant journey home.

\*\*\*\*\*

CONGRATULATIONS: To Dick Widmer who has  
been awarded the Senior Research Fellow-  
ship of the New Zealand National Research  
Advisory Council. The one year fellow-  
ship begins Sept. 1, 1980. His plan is  
to use the fellowship at the Levin Hort.  
Research Centre, Levin, New Zealand.

\*\*\*\*\*

O.T.L. - A contribution from colleague  
Deb Brown from recent travels - Coconut  
Grove - when in Miami, check out  
Kaleidoscope, open air restaurant, par  
excellence. Gaspacho & French onion  
soup are superlative; entrees & desserts,  
so beautiful you hate to disturb them,  
but so delicious you must. Wine, crusty  
french bread, swaying palms & ficus trees,

and warm breezes contribute to an  
overall feeling of contentment. Steven  
Murray promises to provide transportation  
from Ft. Lauderdale or Miami airport &  
back

# TWIG-BENDER

Vol. 3, No. 7 February 15, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

## THIS WEEK FEB. 18-24, 1980

**MON** - President's Day: University Holiday  
Celebrate your favorite President.

Monday Evening Discussions, cancelled, keep celebrating President of your choice.

**TUE** - Special Seminar, 12 Noon, 415 Ald. Hall, Richard Zimmerman, USDA, Deltsville, "Tissue culture of woody plants".

**WED** - Seminar, 4 p.m., 415 Ald. Hall, Michael Reed, General Mills, "Commercial production of vegetable crops in controlled environments".

**THR** - Plant Membrane Group, 12 Noon, 398 Ald. Hall, R. O'Dea, Pharmacology, "Protein carboxylase, a new regulator of membrane function".

**FRI** - PREREGISTRATION all afternoon, 423 Ad. Hall.

**SAT** - Movies at the Arboretum, "About & Flowers", 12 Noon, 1 & 2 p.m., Auditorium

**SUN** - UPCOMING - HORTICULTURE INDUSTRIES CONFERENCE, Feb. 25, 26, 27. Kermit Olson Lecture Feb. 25.

\*\*\*\*\*

**FACULTY** - Do you want to attend the All Industries Dinner on Monday the 15th following the opening day of Hort Industries Conference? Please see Evonne Kuyper who is collecting faculty and student reservations.

\*\*\*\*\*

**ASSISTANTSHIPS** - We have received news of 2 assistantships available at the University of Missouri. They are interested in grad students in the area of cold hardiness work. If interested contact Professor Milton George, 1-30 Agriculture Building, School of Forestry, University of Missouri, Columbia, MO 65201.

\*\*\*\*\*

**GRADUATE EXAMS** - This department's policy, also requested by the Graduate School, is that graduate exams be announced in the department prior to their occurring so that interested faculty may attend. We will announce them in the Twig. Advisors, please tell us by Friday morning of the week preceding the exam of place, time, and student. Thanks.

\*\*\*\*\*

**GRAD SCHOOL FACULTY RESEARCH GRANTS** - Deadline is March 10.

**CONGRATULATIONS** to Mark Brenner who was recently elected President of the Minnesota Chromatography Forum. His term is for the 1980-81 year.

\*\*\*\*\*

**TRAVEL** - Paul Read recently returned from the 1980 National Tropical Foliage Short Course, Orlando, Florida, where he presented an invited keynote paper, "Tissue Culture, a bridge between basic plant propagation". He also participated in a Growers Workshop on applications of tissue culture at the short course and later visited commercial tissue culture facilities at Yoder Brothers in Fort Myers and Oglesby Nurseries in Hollywood Florida. Steven Murry, MS 1978 (U of M) now directs the field operations for the latter nursery.

\*\*\*\*\*

**WATER WATCH** - .22 1/8 tank & alls well.

\*\*\*\*\*

**COFFEE CLUTCH** - The coffee supply has been going too fast lately for the coffee fund to keep up with. Also, the heavy use of styrofoam cups is becoming a real problem. The following guidelines have been designed in an attempt to correct the problems without increasing costs: 1) Coffee will be stored after 4:30 and on weekends. This means no more after-hours coffee making (drinking), 2) If you are hosting a meeting, please make a contribution to the coffee fund if coffee is going to be served, and 3) The styrofoam cups are for guests of the department. If you are a regular coffee drinker, please provide your own cup. These few guidelines should enable us to continue to have coffee available at no additional cost. Thanks for your cooperation.

\*\*\*\*\*

**TAPE RECORDER** - The department's Wollensak recorder is still out being repaired. The crucial parts aren't immediately available so it may be several more weeks before it's back.

\*\*\*\*\*

**MISSING** - Third edition of Plant Biochemistry by Bonner & Varner belonging to Mich Hein. Please return to Mich.

\*\*\*\*\*

**FACULTY FELLOWSHIP DEADLINES** for the National Research Council Fellowships for the coming year are as follows: Feb. 29, May 31, August 3, Nov. 30. Persons who received their terminal professional degree within the last 10 years may apply. If you are interested contact Signe Betsinger at the Ag Exp Sta.

HAPPY BIRTHDAY SUSAN B. ANTHONY!!

# TWIG-BENDER

Vol. 3, No. 7 - February 22, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

## THIS INCREDIBLE WEEK FEB. 25-March 2

- Mon - HORT INDUSTRIES CONFERENCE - Earle Brown Center - 9:00 a.m.  
- Keynote speaker - Earl Butz- 11:00  
- All Industries Dinner - 6:00  
- KERMIT OLSON Lecture - Darrel Morrison, University of Wisconsin - 7:30 p.m.  
- Monday Evening Discussions - CANCELLED
- Tue - HORT INDUSTRIES CONFERENCE - Earle Brown Center & Student Center 8:30 a.m.  
- Landscape Architecture Lecture - Robert Brush of the U.S. Forest Service, 7:30 p.m. - 405 AlderH  
- Political Caucuses, University classes dismissed at 7:00 p.m.
- Wed - HORT INDUSTRIES CONFERENCE - Earle Brown Center & Student Center 8:30 a.m.  
- Seminar - 4:00 p.m., 415 AlderH Doyle Smittle, Coastal Plains Station of University of Georgia "Irrigated multiple cropping systems".
- Thur - Plant Membrane Transport Discussion, Noon, 398 AlderH, Peter Plagemann, Microbiology "Hexose & nucleoside transport in mammalian cells in culture".

TODAY!! PRE-REGISTRATION, 1:00 - 415 p.m.  
425 AlderH - ADVISORS PLEASE NOTE!!

This is it folks!! Horticulture Industries Conference (HIC) begins on Monday. The program has received wide distribution, & we expect many people to register. Many of your colleagues have worked long to prepare an excellent conference. Please support the event by your own participation. Remember to encourage your students to attend particularly seniors who should take advantage of the placement effort we're putting together for the 1st time this year. Paul Read is coordinating the placement area. We have 2 excellent speakers on the opening day. Earl Butz's topic is "Profit is not a four letter word", & he will be speaking at 11 a.m. The Kermit Olson Memorial Lecture will be at 7:30 p.m. given by Darrel Morrison of the University of Wisconsin speaking on "The prairie & the midwestern landscape".

\*\*\*\*\*

DEPARTMENT VISITORS - Three faculty members from other institutions will be on campus this week to visit with graduate faculty & students. They are James Garner from Mississippi State U, Mack Wilson from Florida A&M & Clarence Johnson from Tennessee State U. The first 2 will be here all week & visit at HIC; the 3rd will arrive Wed. Their visit is supported by a federal fellowship program for minority grad students. The purpose of

## Dept. Visitors...continued

their visit is to become acquainted with our program in order to refer promising students here for grad study. Faculty in the graduate program will have an opportunity to meet with them on Thurs. afternoon & Fri. Linda Olson is coordinating this visit. Direct questions to her.

\*\*\*\*\*

FACULTY - WHERE ARE YOUR RECURRING COMMITMENT FORMS? HELP PLEASE!! GIVE DRAFTS TO LAURA SO SHE CAN PREPARE A SET FOR YOUR SIGNATURE.

\*\*\*\*\*

VISITOR - Doyle Smittle who is giving the department seminar on Wed. afternoon will also be attending HIC & available to meet with interested persons through Fri. Sign up for a time in the folder in the third floor office. See Luke Waters if you have questions.

\*\*\*\*\*

POLITICAL CAUCUSES - A memo has been received from Pres. Magrath reminding us of the caucus meetings throughout the state Tues. night. University classes on that day should be dismissed no later than 7 p.m.

\*\*\*\*\*

DARREL MORRISON - In addition to his lecture Mon. night, professor Morrison will be visiting with the LA program on Mon. & Tue. If you are interested in joining a group of faculty for supper with him at W.A. Frost on Tue. evening, get in touch with Pete Olin.

\*\*\*\*\*

TISSUE CULTURE the controlled environment for tissue culture in 201 which had a severe malfunction is now operating safely at a controlled temperature, but without humidity.

\*\*\*\*\*

MISSING (and feared stolen) - Mark Brenner's Norelco dictaphone. Approximately 2½ x 7½", it was discovered missing from his office 2 days ago. If you find it, return it to Mark who will relax & cheer up before your very eyes.

\*\*\*\*\*

FACULTY - A reminder -- Please submit your Individual Contributions report to Linda Olson. The deadline was Feb. 15 & not all of them have been received.

\*\*\*\*\*

CONGRATULATIONS to Hort graduate Cindy Folland who has accepted a job with Northrup Kink involving communications & education in their seed division. Mr. Dawes -- Eat your heart out!!!

# TWIG-BENDER

Vol. 3, No. 18 - February 29, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci. & Land. Arch.  
Editor: Linda C. Olson

## THIS WEEK MARCH 3-10

- MON** - Monday Evening Discussions, 7 p.m.  
Fireplace Room, McNeal Hall, discussion of prelim. question and presentation by Joe Zugorski.
- TUE** - College of Agriculture Assembly, 3:15 p.m., B45 COB.  
- H.K. Hayes Memorial Lecture, Earl Brown Center 8 p.m., W. F. Hueg, "Food for all: A Challenge for the 80's".
- WED** - Seminar, 4 p.m., 415 Adl. Hall, Emily Hoover, "A nonsurgical means of removing fruit effects on photosynthesis."
- THR** - Plant Membrane Transport Discussion, Noon, 398 Ald. Hall, Ed Stadelmann, "Cell membrane and environmental factors - changes in lipophily."  
- Consultative Committee, 1 p.m., 152 Ald. Hall.
- FRI** - North Central Florist Convention, Radison South, Bloomington (March 7, 8 & 9)
- Sat & Sun** - Films at the Arboretum, "Sisibakwat: Objibway Maple Harvests", Noon, 1 and 2, Auditorium.
- COMING UP:** March 10 - deadline in Graduate School for Faculty Research Grants  
March 12 - dept. luncheon for graduating seniors  
March 13 - Commencement.

## HORTICULTURE INDUSTRIES CONFERENCE -

A giant thank you to everyone who helped make this, the 2nd annual conference, a great success. It would be impossible to carry off such a large and complicated conference without the spirited help of a lot of people. Once Chicago's airport was reopened and various major speakers continued their trips up here, things went pretty smoothly. Those responsible for planning deserve thanks for a sustained and arduous job well done. To faculty who spoke, moderated, worked and supported with their attendance - thank you. To students and staff who pitched in and did what needed to be done during the conference - thank you.

GRADUATING SENIORS LUNCHEON - 11:45 a.m., Room c, Grainery, make reservations with Evonne.

FAREWELL AND BEST WISHES - to Pat Pierquet who is leaving his position as Research Fellow at the Horticulture Research Center.

SMALL GRANTS PROGRAM - Notice has been received of an April 30 deadline for educational development projects under the Small Grants Program. The purpose of the Small Grants Program is to improve undergraduate education in the University with particular emphasis on liberal education. Thus, high priority will be given to proposals addressing the substance and procedures of courses intended primarily for the liberal education of undergraduate students. The Council has available \$80,000 for the Small Grants Program for 1980-81. \$40,000 will be committed at this time, with \$40,000 held in reserve to meet development needs as they arise during the 1980-81 academic year. An announcement regarding the academic year reserve will be distributed in early October 1980. If you want more detailed guidelines see Linda Olson.

GETWELL WISHES - are extended to Margaret Smithberg who was in the hospital this week with pneumonia. She is now continuing her recuperation at home.

NEW BUS LINE - The 13-N (we're on the Northern line) bus now runs between Mpls. and St. Paul campuses featuring new stops. Notably at Hodson Hall on Folwell. The map and schedule for this bus are posted in the 3rd floor lobby and the coffee room.

COFFEE UPDATE - As of March 3 (that's Monday) the per cup coffee rate will be 25¢ each cup, the monthly rate will remain at \$6/month. Also, the charge for a carafe (for meetings, exams, etc.) is \$1.

CONGRATULATIONS - to Lori White, daughter of Don White, who received word yesterday that she is a finalist in the National Merit Scholarship Program. Ms. White is presently a graduating Sr. at Mariner Sr. High School in White Bear Lake.

# TWIG-BENDER

Vol. 3, No. 9 - March 7, 1980  
805 Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci. & Land. Arch.  
Editor: Linda C. Olson

## This Week-March 10-16

- Mon. - Monday Evening Discussions, 7:00 p.m. Fireplace Room, McNeal Hall, presentation by Karl Ruser followed by refreshments & conversation at the house of Jim & Sonja Obzun.
- Tue. - Staff Meeting, 8:15, 394 Ald. Hall.
- Wed. - Hort 8041, 8:30 a.m., 394 Ald. Hall, presentation by Jim Bartz from Green Giant.
  - Graduating Seniors Luncheon, 11:45 a.m., Student Center, Dining Room C.
  - Plant Physiology Faculty Meeting, 2:30 p.m., 394 Ald. Hall.
  - Seminar, 4:00 p.m., 415 Ald. Hall, Carol Robacker, "Complexities of the self-incompatibility system as revealed by breakdown of incompatibility in Nemesia."
- Thur. - Graduate Studies Committee, 9:00 a.m., 398 Ald. Hall.
  - COMMENCEMENT, 8:00 p.m.

Coming Up: Faculty, reserve the afternoon and evening of Thursday, April 10, for FACULTY RETREAT.

\*\*\*\*\*  
Welcome to Yu Shu Xun, Director of the economic plant introduction program at the Peking Botanical Garden, Academia Sinica, People's Republic of China. Mr. Yu had just arrived to work for a year at the Arboretum with Harold Pellett as an Honorary Fellow in the Graduate School.

\*\*\*\*\*  
Vehicles: A reminder that the department van is no longer available. It is at the Arboretum for the winter. A new van has been ordered, and we expect delivery around April 1st. Until then see Norm Polzin on an individual basis if your vehicle needs cannot be met by cars or trucks.

\*\*\*\*\*  
Hort Sport Report: The department's bowling team completed the regular season in second place in a field of 18 teams. A small voice was heard to say the curling team hadn't done quite that well.

Congratulations to Paul Li who leaves for Peking, China in mid-April for a three month stay. He will be giving a series of plant hardiness seminars at the Peking Agricultural University. Following the seminars he will travel to other major agricultural universities and research institutes throughout China. His trip is jointly sponsored by the University of Minnesota through the College of Agriculture and Office of International Programs and the Ministry of Agriculture of the People's Republic of China.

\*\*\*\*\*  
Congratulations to students who have recently passed exams; H. H. Chen, PhD qualifying exam; Mich Hein, Masters final; Margaret Litzow, final PhD oral.

\*\*\*\*\*  
Exam Announcement: Craig Anderson's final PhD oral exam will be held on Friday, March 21, 9:00 a.m., 398 Ald. Hall.

\*\*\*\*\*  
Congratulations to Bert Swanson who found Barb Spinks' folder.

\*\*\*\*\*  
Grant Received: Mark Brenner and Dave French, Head, Plant Pathology are joint recipients of a \$45,000 grant from the Blandin Foundation on "Dwarf mistletoe on white and black spruce."

\*\*\*\*\*  
Scholarships: Several National Feed Ingredients Association (NFIA) members are sponsoring scholarships for students in agriculture. Several of \$1,000 are available. There is a form available from Laura Kalisch in the main office. All applications and letters of recommendation are due by April 1st. Please encourage interested undergraduate and graduate students to apply. Further information is posted on graduate and undergraduate bulletin boards.

\*\*\*\*\*  
HAPPY BIRTHDAY LUTHER BURBANK!  
\*\*\*\*\*

# TWIG-BENDER

Vol. 3, No. 10 - March 14, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort. Sci. & Land. Arch.  
Editor: Linda C. Olson

## THIS WEEK - MARCH 17-23

- Mon. - Happy St. Patrick's Day. Anyone not in green is a snake.
- Wed. - Project Revision Seminars, Paul Li 2-3 p.m., John Carter 3-4 p.m., both in 394 Ald Hall.
- Thur. - Project Revision Seminar, Pete Ascher 1-2 p.m., 394 Ald Hall.  
- Food Processor's Workshop, Waseca
- Fri. - Final PhD exam, Craig Andersen, 9 a.m., 398 Ald Hall  
- Project Revision Seminar, Pete Ascher and Harold Wilkins, 1-2 p.m., 394 Alderman Hall.
- Sun. - "Culture of African Violets," Arboretum Auditorium, Noon, 1 and 2 p.m.

Coming Up: Hort Club Sale - April 4th  
Department Retreat - April 10th  
Dept. Social Event - April 12th

## Congratulations to those who graduated last night:

|                   |                   |
|-------------------|-------------------|
| Barry Amatuzio    | Ronald Svehla     |
| Susan Bagge       | Ronald Wagner     |
| Michael Dradan    | George Weiss      |
| Nancy Foley       | Mary Jane Wolff   |
| Norman Haines     | Phuong Nguyen     |
| Janet Hartin      | Joe Kaliszewski   |
| Jack Hartin       | Michele Krenz     |
| Michele Schermann | Deborah Sienko    |
| Kevin Smith       | Richard Woldorski |

Translator: Needed, a person to translate a booklet on seeds from English to Spanish. A local free lance writer needs someone to work on this somewhat specialized project. If you are interested call Debby Garder at 920-6160, preferably before 9 a.m. or after 7 p.m. If you cannot reach her, but are interested tell Linda Olson.

## HORT CLUB SALE

Flowering Bulb Sale

April 4th, St. Paul Student Center

Room 110

IT'S TIME TO DO YOUR PART FOR SPRING. Take out your hairdryer, put it on high and point

WATER WATCH : .26 mega ohms with 1/2 tank.

\*\*\*\*\*  
Faculty HELP! Is anyone a member of the Campus Club. If you are, please let me know. We need to find a member to facilitate the retreat. Thanks.

\*\*\*\*\*  
Department Art Show A reminder, March 31 is the deadline for submitting information on entries in the art show. The event 2 years ago was very enjoyable and revealed a surprising array of various talents in the department. Angie Klidzejs needs information on the works you plan to submit by the end of this month. The show opening will be May 5th. Mark your calendars now for the gala opening.

\*\*\*\*\*  
Project Revisions You will note seminars by several faculty scheduled during the upcoming week. These are prepared in connection with the periodic review and revision of Experiment Station research projects. Beginning last year a more formal system for both intra and inter departmental review was established. The seminars are part of this review process and all who are interested are encouraged to attend. Florian Lauer will be presenting one the following week on March 24 and Paul Boldt on April 3.

\*\*\*\*\*  
Department Social Event It's pot luck time. Can true spring be far behind. Happy customers from last year's international evening have requested a repeat from last year and the Social Committee has obliged. The date is Saturday evening, April 12th. Circle the date on your calendar now.

\*\*\*\*\*  
Hort 8041 Reminder - the last class session will be TOMORROW (Saturday) 8:30-10:00 a.m.

\*\*\*\*\*  
Pictures needed Help, the editor needs photos to be used in the annual alumni newsletter. Bring favorite shots to Linda Olson. Thanks



# TWIG-BENDER

Vol 3, No 11 - March 21, 1980  
305 Aldermen Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

This Week - March 24-30

Mon - Project Revision Seminar - 2:00 pm  
394 AldH -- Florian Lauer

Wed - Plant Biology Symposium

Thur - Department Space Committee  
8:00 a.m., 398 AldH  
- GSC, 9:00 a.m., 398 AldH  
- Plant Biology Symposium

Fri - Plant Biology Symposium  
- CIVIL SERVICE HOLIDAY - Twin  
Cities Campus Offices Closed

TODAY - Project Revision Seminar - 1:00 pm  
Peter Aschar & Harold Wilkins  
394 AldH

UPCOMING -

April 3 - Paul Boldt Project  
Revision Seminar

April 4 - Hort Club Flowering  
Bulb Sale

April 10 - Department Faculty  
Retreat

WATER WATCH - .25 mega ohms and 1/3 of a  
tank.

\*\*\*\*\*

DO YOU KNOW? - Steve Garton is interested  
in developing a list of the 5 most effi-  
cient plants in terms of solar energy into  
mass. Please get your nominees for  
Steve's list to his mailbox.

\*\*\*\*\*

BUILDING THEFT - Yesterday (3/20/80),  
between 3 & 4 p.m., a calculator was  
stolen from Mich Hein's desk. Use cau-  
tion and lock your offices when you are  
not around. In offices not conveniently  
locked, consider an arrangement where  
valuables are not accessible close to  
the office entrance.

\*\*\*\*\*

EM POSITIONS - University personnel is  
reviewing all Civil Service positions  
that are involved with electron micro-  
scopy, both preparation of specimens &

Friday

9am - Fungal, A. Ellingboe, J. Kuc  
1 pm - Insects, C. Ryan

TODAY!  
CONGRATULATIONS TO CRAIG ANDERSEN WHO PASSED HIS ORAL FINAL

actual operation of the electron micro-  
scope. If you hold a CS position &  
are substantially involved in EM work  
please contact Linda Olson.

\*\*\*\*\*

HOLIDAY - Perhaps you're wondering why  
we're celebrating the last Friday in  
March, otherwise known as 8 days after  
the first day of spring or 12 days  
after St. Erho's Day. Actually it is  
the 10th holiday authorized for CS  
staff which has been scheduled in the  
Twin Cities for March 28. Other  
campuses have scheduled other days.  
All academic & academic service units  
such as libraries & student unions  
will be closed.

\*\*\*\*\*

WELCOME - Bonnie Blanchette who has  
just joined the department as a Jr.  
Scientist with Luther Waters. Bonnie  
has her MS degree in plant breeding  
from the University of Idaho.

\*\*\*\*\*

POSITION OPEN - An Assistant Gardener  
position in the hort greenhouse is  
open. People not in the bargaining  
unit may apply for it on March 27.  
Job # - 19262.

\*\*\*\*\*

Symposium Program  
Biological Stress of Higher Plants to  
Environmental Stresses - All session in  
the theatre, St. Paul Student Center.

Wednesday

9 am Intro - Dean Tammen - Physical  
Agents of Stress; Heat or Drought,  
T. Hsiao & W. Jordan  
2 pm - Chilling or Freezing, M. Burke  
& J. Wolf

Thursday

9 am - Mineral Stress; Gerloff & H.  
Gabelmann, J. Brown Viruses or  
Bacteria  
2 pm - Biological Agents of Stress;  
Viruses or Bacteria, M. Zaitlin,  
L. Sequeira  
8:30 pm - Interactive effects, D.  
Schoeneweiw & panel discussion;

# TWIG-BENDER

Vol 3, No 12 - March 31, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda C. Olson

## This Week - March 31 - April 4

### FIRST WEEK OF CLASSES -- SPRING QUARTER 1980

- Mon - Prelim Question - 8:00 a.m. to 4:30 p.m., room 394 AlderH. Pick up questions from Laura.
- Monday Night Discussion - 7:00 p.m. Fireside Room, McNeal Hall. Butch Petersen speaking.
- Wed - Floriculture Discussion - 12:00 noon Horticulture Headhouse - Tour Dr. Peter Ascher's and Dr. Paul Read's research greenhouses.
- Department Seminar - 4:00 p.m., room 415 AlderH. Mary Stuart speaking.
- Thur - Paul Boldt's project review seminar 2:00 p.m., room 394 AlderH.

**MISSING** - Anyone knowing the whereabouts of the new 10' departmental ladder from room 201 AlderH should either return it or indicate to Dave Olson where it is.

\*\*\*\*\*

**OFFICE INFORMATION** - Jeannette Steihl, who was working SOS as our receptionist will no longer be with us, she is now on her way to Mexico for the month of April. That means that we are once again understaffed in the 3rd floor office and will no doubt be a bit slower in getting your work out. Please give each secretary as much lead time as you can for everything that needs to be done. Professors that Jeannette was working for should give their work to Laura so it can be distributed. Please keep in mind that we are all very anxious to keep the work flowing but we will now need a little more patience and lead time. As soon as someone is hired for the receptionist position we'll let you know. Thanks.

\*\*\*\*\*

**COMING EVENTS** - Department Retreat - April 10 in the Earle Brown Center from 3:00 p.m. to 9:00 p.m. Please return your RSVP to Laura as soon as possible.

\*\*\*\*\*

**EASTER LILY OPEN HOUSE** - Tuesday - April 8 - Horticulture Greenhouse. Anyone that has a floricultural display they wish to be used please see D. Koranski, P. Ascher or H. Wilkins.

\*\*\*\*\*

**INTERNATIONAL EVENING** - Don't forget the deadline for your RSVP to the International Evening is Monday, April 9. Please have your \$1.00 per person in at that time also. The social event of spring quarter 1980 is scheduled for Saturday, April 12 beginning at 6:00 p.m. See you there.

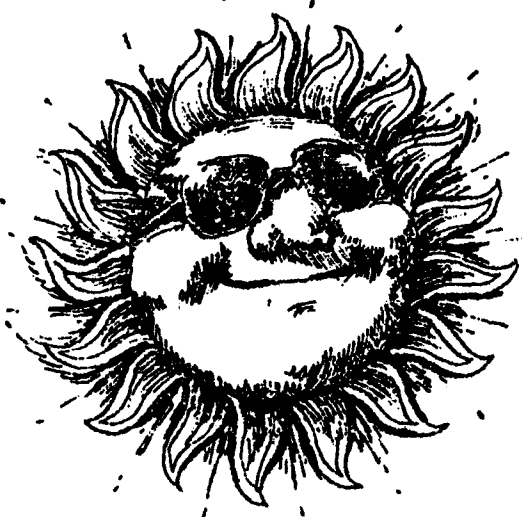
\*\*\*\*\*

**SIGN-UP** - The Horticulture Horrors Co-Rec softball team is looking for players!!! If you are interested there is a sign-up sheet in the hall by the graduate student mail boxes.

\*\*\*\*\*

**ART SHOW REMINDER** - A current trend in some artistic circles is that of being fashionably late. However, Angie needs your art show registration forms THIS WEEK so that specific plans can be made. Please have your registration forms turned in no later than Friday, April 4. In the event that you've misplaced your form, additional copies are available in the 3rd floor office.

\*\*\*\*\*





# TWIG-BENDER

Vol. 3, No. 14 - April 11, 1980  
305 Alderman Hall, Saint Paul, MN 55108

Dept. Horticultural Science & Landscape Arch.  
Editor: Linda C. Olson

## This Week - April 14-20

- Mon. - Meeting of Undergraduate Committee, 1:00 p.m. in room 398  
Meeting of Greenhouse Committee, 2:00 p.m. in room 152  
Monday Evening Discussion, 7:00 p.m. Fireplace Room, McNeal Hall, discussion of prelim question
- Tue. - Meeting of full-time Civil Service and Bargaining Unit staff members, 1:00 p.m. in room 394
- Wed. - Floriculture Seminar, noon to 12:45, room 394, "Research 1970-1979, a decade of progress?!" - please bring 3-4 articles that illustrate a highlight of interest to you  
Seminar - Dan Goldman, "Evaluating resistance to early dying disease in potatoes using horticultural data," 4:00 p.m. in room 415
- Thu. - Stress Physiology Discussion Group, 11:00 a.m. in room 398
- Fri. - College of Agriculture Curriculum Committee agenda items due

CONGRATULATIONS to departmental artists Angie Klidzejs and Bob Lyons for their accomplishments in the Saint Paul Campus Juried Art Show. Angie received a first place award for her black and white photograph "Elephantine" and Bob received honorable mention for his color photograph "Larpenteur & Snelling."

FROM THE SOCIAL COMMITTEE: Don't forget the International Evening festivities tomorrow night at Sharon Desborough's recreation room in Midland Grove Condominiums. Please be sure to label your food so that we know which country is being represented. This gala event will begin at 6:30 p.m.

REMINDER: Return to Dr. Harold Wilkins your personal comments or ideas on the forms which were distributed and used at "The Retreat" discussing ideas on recruitment, advising and job placement.

WATER WATCH: .26 and still is sick - doctors have been summoned - one-third of a tank.

Margaret Litzow will be ordering 7½" x 3½" Unisort cards (like the ones that Dr. Ascher uses). They are much more economical when purchased in quantity (500 at 5¢ each vs. 20,000 at 2½¢ each). If you would be interested in going in on the order, please contact Margaret out at the Arboretum (443-2460).

Steve Garton is still trying to develop a list of energy efficient plants (see Twig vol. 3, no. 11). Don't be shy. Give your five nominees to Steve as soon as possible.

*I'd rather be playing tennis.*

"A memorandum is written not to inform the reader but to protect the writer."

# TWIG-BENDER

Vol. 3, No. 15 - April 18, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. Horticultural Science & Landscape  
Editor: Linda C. Olson Arch.

## This Week -- April 21-27

- Mon - Monday Evening Discussion, 7:00 p.m., Fireplace Room, McNeal Hall, Presentation by Beth Bray.
- Tue - Seminar by Norm Huner, candidate for the Plant Physiology Position, 310 AlderH, 3:00
- Wed - Floriculture Seminar, Noon, 394 AlderH, "Research 1980-89, What Direction?"
- Seminar, 4:00 p.m., 415 AlderH, John Preece on "Increasing tissue culture success by manipulating apical dominance."
- Thur - Stress Physiology Discussion Group, 11:00 a.m., 398 AlderH
- Botany Seminar, 3:15 p.m., 70 BSC, "Gibberellins & growth in Zea Mays," by Bernard Phinney, Dept. of Biology, U of California, Los Angeles

COMING UP: Department Art Show opening May 5 at St. Paul Student Center!

ISWOP - The International Student Work Opportunity Program has been operating since 1973. This is basically a work/study program for international students. A student must make regular application for financial aid and if s/he qualifies then can be hired through the ISWOP program. This program pays 50% of the student's wages; the employer, 50%. If you are interested and have a student you think would be eligible, see Linda Olson who has forms to complete. They should be filed before May 15.

\*\*\*\*\*

WELCOME to Tom LaDoux who begins work Monday as the new Assistant Gardener in the Hort Greenhouse.

\*\*\*\*\*

REMINDER to bike riders - bikes must not be brought into Alderman Hall. There are two bike racks located by Alderman Hall entrances, please use them.

\*\*\*\*\*

FAREWELL but not good-bye to Dave Wildung who begins the last week of his 6 month stay in the St. Paul department. Dave will be returning to the North Central Experiment Station in Grand Rapids where he is an Associate Professor.

\*\*\*\*\*

THANKS to the members of the social committee who organized a terrific international pot luck on Saturday. It was great! The food from all areas of the world was terrific. Maybe we should develop a hort cook book. Thanks to Sharon Desborough for the use of the party room at Midland Grove.

\*\*\*\*\*

Anyone wishing to board a cat should see Joe Sowokinos!!

\*\*\*\*\*

DESK KEY - If you are using gray desk # B380 (imprinted next to the lock), there is a key available in the main office. See Evonne Kuyper.

\*\*\*\*\*

HORT SPORT REPORT - (soccer) The men's soccer team, Hortus Sportus, defeated the Helmeted Bison Buddies 7-5 last Tuesday despite being short handed. The muddy encounter marked the team debut for Mohammed Khachami, Nouruddine Cheikh, Steve Ruce & Carlos Fear. Mohammed & Nouruddine both contributed to the team's scoring effort & were instrumental in maintaining the ball control offense which netted five first half goals.

\*\*\*\*\*

WINDOWS - With spring upon us, the temptation is strong to open all the windows & let the fresh air in. The problem with that approach is the building was designed to accept only a minimum of outside air & too much of such a good thing confuseth the beast. Therefore, please use restraint in opening them. Above all, close the window you've opened before you leave an area.

\*\*\*\*\*

WATER WATCH - .26 megahms & 1 still having surgery.

# TWIG-BENDER

Vol. 3 No. 16 - April 25, 1980  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - April 28 - May 2

- Mon - Prelim Question 8am-4:30pm - Laura has question.
- Monday Evening Discussion - Presentation by Ricardo Montenegro
  - Seminar by Dr. Steven Wiest, 3pm, 310 Alderman Hall (Dr. Wiest is a candate for the stress physiology position)
- WED - NO DEPARTMENTAL SEMINAR
- All College Seminar, 3:30, 10 Palmer Classroom. Presentation by Howard Berg, Division of Biology, CAI Tech - "How Bacteria Swim"
- Thur - Stress Physiology Discussion Group - 11am, 398 AlderH

Efforts toward the goals of good house-keeping will net the operators my ever-lasting gratitude & 2 gold stars on your official University file. Accumulation of 10 stars can be redeemed for a 1 step promotion on demand.

Haunting & Cleaning,

Felix Unger Olson  
(Dust Pan Dave)

\*\*\*\*\*

HORT CLUB - New officers were elected for Hort Club at the end of winter quarter, they are:

President: Sue Wiegrefe  
Vice President: John Larson  
Secretary: Barb Pechous  
Treasurer: Peggy Grieme

\*\*\*\*\*

CONGRATULATIONS to John Preece who begins working at So. Illinois Univ. in Carbondale as Assistant Prof. beginnin 7/1/80.

\*\*\*\*\*

PLIERS & WIRES - Speaking as the departmental housekeeper & downstairs maid, may I say: KEEP IT CLEAN!! By this I refer to the state of the growth chambers & room 201.

Try to minimize the amount of water & soil that finds its way to the floor of the chambers. This material is directly responsible for unit frost ups, failure of expensive humidifiers, fried electrical connections &, needless to say, the attendant interruption of your experiment. Also, upon completion of your work, IT IS YOUR RESPONSIBILITY to thoroughly clean the chamber. If the chamber newly assigned to you is found to be dirty or not in good working order, this should be reported to the current head of the space committee, Paul Read.

The second item is a matter of keeping old triumphs or failures, in the form of plants & soil, properly disposed of in the carts available. Materials abandoned in chambers, on floors, under tables, etc., make work more difficult for everyone.

MACHS - April 17-20 a group of Hort Club members attended MACHS hosted by South Dakota State University. Nine members, Dr. Koranski & Dr. Ozbun attended. We visited their campus & arboretum. We also toured the EROS Data Center (where over 7 million satellite pictures are stored), commercial greenhouses & landmarks of Souix Falls (such as the Statue of David & Falls Park). We got together with 11 university hort clubs and had the opportunity to meet each other & share ideas.

\*\*\*\*\*

HORT SPORT REPORT - Softball - Hort Horror split 2: last week the HH's scored in the 1st extra inning to win a squeaker, 13-12. This week the HH's bats were mostly silent & lost 15-3. Outstanding performers were Julie Hanson & Orville Lindstrom in the 1st game & Ken Compton performed valiantly in the losing effort.

Soccer - Hortus Sportus went down to defeat, 5-3, a real heart-breaker, cause the first 1/2 was played short-handed, resulting in a 1/2-time score of 5-1. Buoyed by more players a valiant 2nd half rally netted 2 goals, but fell short.

\*\*\*\*\*

TO THE MM- Thanks.

# TWIG-BENDER

Vol. 3, No. 17 - May 2, 1980  
305 Alderman Hall, St. Paul, MN 55108

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

## This Week -- May 5-9

- Mon - Seminar presented by Dr. Ulrike Diederhoben, candidate for the Stress Physiology Position. 3:00 p.m., 310 AlderH.
- Monday Evening Discussion - presentation by Julie Hanson - 7:30 p.m., Fireplace Room in McNeal Hall.
  - Growing II Opening - 7:30-10:00 p.m., St. Paul Student Center
- Wed - Floriculture Seminar 12:00 noon 394 AlderH.
- Discussions in Incompatibility - introductory meeting on "Selective advantages of incompatibility systems", 2:00 p.m., 398 AlderH.
- Departmental seminar presented by Dr. Brent McGowan, University of Wisconsin - "Increasing production of woody ornamentals by microculture". 4:00 p.m., 415 AlderH.
- Thur - Departmental Consultative Committee meeting, 9:00 a.m., 398 AlderH.
- Stress Physiology Discussion Group, 11:00 a.m., 398 AlderH.
- Fri - CLEAN UP DAY - 1:00 p.m. See details below.

DEPARTMENTAL CLEAN-UP DAY - Friday, May 9 starting at 1:00 in the afternoon we will again clean-up the grounds around our building. Chairman for this year's Clean-Up Day is Dr. E.J. Stadelmann and he is organizing four committees that you can pick from to help. The committees are as follows: Weed Control Crew - D.B. White, Wood Chipping Crew - John Preece, Pick-Up Crew - Martha Cooper & Sodding Crew - D.B. White. You may contact any of the above mentioned people to sign-up.

\*\*\*\*\*

REMINDER - All people taking out-of-state trips must submit travel authorizations even if no expenses are involved. Travel authorization requests should be submitted a minimum of 2 weeks prior to trips, and even sooner if advance money is being requested. Also be sure to file expense vouchers upon returning. If you have questions, see Angie Klidzejs.

\*\*\*\*\*

ALL YOU NEED to grow fine, vigorous grass is a crack in your sidewalk.

\*\*\*\*\*

ANOTHER REMINDER - Growing II will be held at the St. Paul Student Center from May 5 through 30. An opening reception will be held on Mon. May 5, 7:30 - 10:00 p.m. Everyone is encouraged to attend.

All strong & able-bodied persons interested in helping hang the show should meet at 11:45 a.m. on Sat. in Alderman Hall's 3rd floor lobby.

\*\*\*\*\*

NEW VAN - The new van has arrived not for hauling soil but a people mover. If you need to haul 1 pickup for general use, sign-up in office. Make arrangements with Norm for other pickup or older van.

\*\*\*\*\*

REPRINTS - An "Unidentified Reprint" folder has been established for reprints that come to the department without indication as to who they came for. Please check through this every so often & you may find the reprint that you've been waiting for.

\*\*\*\*\*

GRADUATE SCHOOL DOCTORAL DISSERTATION FELLOWSHIPS AVAILABLE - Deadline - May 14, 1980.

Purpose - To enable PhD candidates who have completed their coursework to give full time during the next academic year to research & writing of the dissertation.  
Stipend - \$4,300 per academic year (no tuition fees).

We may nominate 2 in horticulture and 1 in plant physiology.

Application forms: See R.E. Widmer for copies. Don't wait until the last minute!

\*\*\*\*\*

GROWING PAINS PROBLEMS - We are now a big family with many new members. To facilitate smooth operation, a reminder here & there can be most helpful.

Please keep your growth room, greenhouse sections, etc. tidy. Check them regularly & follow appropriate operational procedures for best research results. A few suggestions follow:

1) Don't discard razor blades, papers, labels, plants, etc. in walks under benches, etc.

2) Discard waste materials in appropriate areas as indicated by signs. If in doubt ask a crew member. All types of refuse do not go in the same receptacle.

3) Inspect your plants regularly for presence of insects & diseases. Arrange for appropriate treatment when needed.

\*\*\*\*\*

ANOTHER MEETING - Wednesday, May 7, Institute Faculty Meeting, 3:30 p.m., Room 33 McNeal Hall.

\*\*\*\*\*

Thanks to all those who made the 1st Annual Grad Student Week such a stunning success!  
S.G.

# TWIG-BENDER

Vol. 3, May 9, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week -- May 12-16

- Mon - Retirees Luncheon, Noon, Earl Brown Center.
- Monday Evening Discussions, 7:00 p.m., Fireplace Room in McNeal Hall, Prelim Discussion
- Tues- Staff Meeting, 8:15-10:00 a.m., 394 Alderman Hall.
- Extension Staff Meeting, 10:15 a.m.-Noon, 394 Alderman Hall.
- Wed - Floriculture Seminar, Noon, 394 Alderman Hall, Bob Lyons on Photography.
- Discussions in Incompatibility, 2:00-4:00 p.m., 398 Alderman Hall, "Multiple-locus gametophytic incompat. systems; the world of U. Osterbye."
- Seminar, 4:00 p.m., 415 Alderman Hall, Ezzaldin Abusteit, "The effect of metribuzin on diploid and tetraploid potatoes."
- Thur- Stress Physiology Discussion Group, 11:00 a.m., 398 Alderman Hall.
- Landscape Architecture Visiting Lecturer, Terry Boyle, Landscape Architect from Burlington, VT, All day.
- Fri - Landscape Architecture, Terry Boyle visit continued.
- Sat - Landscape Arboretum, Dedication of Myers-Deats Conservatory, 11:00 a.m., guest speaker Elizabeth Schotz, Director of the Brooklyn Botanic Gardens.

TODAY-FRIDAY-CLEAN-UP DAY, 1:00-4:30 p.m.

Congratulations to the following faculty who are recent recipients of grants from within the University: Bert Swanson and Luke Waters, Faculty Research Grants from the Graduate School; Chianna Rajashekar and Paul Li, Small Grant Program from the Office of International Programs.

Welcome to Cindy Lane, who has just joined the department as a Research Plot Technician assisting Bert Swanson. Cindy earned her horticulture degree in this department as an undergraduate.

Welcome too, to Colleen O'Neill, who is the new receptionist in the main office. Colleen has joined us having completed secretarial training in St. Paul.

Retirement Recognition Luncheon is being held Monday the 12th at Noon. If you wish to attend see Laura Kalisch, who has a few tickets available.

Alumni Death - Word has been received of the death of Paul Yagyu. He died at his home in California two weeks ago following a short illness. Dr. Yagyu worked for many years as a plant breeder with Northrup King Company in Minneapolis. He retired last year.

Position Possibilities - Dr. Stanley J. Kays at the University of Georgia, Athens, has funding beginning this fall to support work on energy and Jerusalem Artichoke production. He would be interested in discussing the possibility of supporting two master's candidates, a post-doc interested in physiology or someone with sabbatical available whose orientation is to physiology. Call him 1-404-542-2471 or see Luke Waters if interested.

Golden Opportunity - Caring for the foliage plants in the Alderman lobby is a valuable learning experience. Widmer's graduate students have selfishly clung to this choice task most of the time, since the building opened. Bob Lyons has been the loyal plant guardian for three years. With Bob winding up his studies and Dick Widmer going on sabbatical, we wish to give others a chance. All interested persons should contact Dick Widmer. The first applicant will be given the first consideration. Others must wait their turn. Get on the list early.

Lost (please find) - Norm Polzin is looking for the Ball Red Book missing from his office. Laura Kalisch would like the booklet Benefits from Research returned. Bob Mullin needs the Prairie Propagation Handbook returned. So far only Bob has offered a reward (25¢), but please be on the lookout for all three items.

Mileage Reimbursement - As of July 1 the use of personal vehicles will be reimbursed at 19¢ per mile.

CLEAN-UP DAY - We've become so adept at our annual clean-up campaign that this year all we need is an afternoon. Wear your grubbies! Pitch in and help! From 1:00 p.m. to ? the immediate surroundings of Alderman Hall will receive their annual spruce-up. Ed Stadelmann is coordinating this year's effort. All valiant workers can plan on a GROUND ROUNDER at the Ground Round following the clean-up.

GROWING II - Monday the 5th was the opening of the second departmental art show at the Student Center. Make sure you take an opportunity to see the creative array of photographs, paintings, drawings, and textile art. The show will continue to the end of this month. Thanks go to Angie Klidzejs for organizing this year's show.

ASHS Air Travel & Accommodations - A reminder to reserve your seat and purchase your tickets early for travel to ASHS in order to take advantage of super saver airline fares. Housing at convention rates is available from July 23 through Sunday, August 3, which enable on-your-own sightseeing at either end of the conference; however, availability is limited July 23-25 so reserve early. See posting on bulletin board in main office for more details.

# TWIG-BENDER

Vol. 3, May 16, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. Of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week -- May 19-25

- Mon - Monday Evening Discussions,  
7:00 p.m., Fireplace Room,  
McNeal Hall.
- Wed - Floriculture Seminar, Noon,  
394 Alderman Hall, Report on  
Israel by Will Healy.
- Seminar, 4:00 p.m., 415 Alderman  
Hall, Ezzaldin Abusteit on "The  
effect of metribuzin on diploid  
and tetraploid potatoes".
- Thur - Stress Physiology Discussion  
Group, 11:00 a.m., 398 Alderman  
Hall.

Tomorrow the 17th - Dedication of Myer-Dearns  
Conservatory at the Arboretum, 11:00 a.m.

Upcoming - Picnic, June 6th, at Como Park

Ongoing - Growing II, Department Art  
Show, St. Paul Student Center  
until May 30.

Congratulations - to Jane McKinnon and  
Mark Brenner who have been recommended  
to the Board of Regents for promotion  
to Professor beginning July 1, 1980  
and to Bert Swanson, Associate  
Professor, who has been recommended for  
tenure as of the same date.

Position Filled - The stress physiology  
position has been filled. Bud Markhart,  
presently at Duke University, will join  
our faculty on December 1, 1980.

Director's Visit - Dates have been set  
for the visit of Richard Sauer, new  
Exp. Sta. Director, to the department.  
He will be here the afternoon of June 18  
and again the afternoon of September 23.  
Details on the visit will be forthcoming.

Congratulations - Mark Brenner has recent-  
ly received research support from the  
Special Grants Program of USDA, SEA.  
He and Bill Brun of agronomy and plant  
genetics received \$96,971 for their  
joint project "Hormonal Relations of  
Soybean Flower and Pod Abortion".

Thanks - For the special help given  
by several people to aid the success of  
our department art show. Beth Bray,  
Dick Rideout, Scott Gatty and Pete  
Ascher helped hang the show. Don Jensen

and Bob Dickhaus designed the attractive  
poster.

Personnel Department - The University  
Personnel Office closed for regular  
business today and will reopen on  
May 22 in new quarters at 1919 University  
Avenue S. E. Messages will be taken  
during the week for our personnel re-  
presentatives and forwarded to them.  
The new address is for the new Admin-  
istrative Services Center (formerly  
the Mutual Services Insurance Company  
Building). Student Employment Service  
is not affected and will remain in  
Morrill Hall.

Fellowships - May 30 is the deadline for  
National Research Council Fellowships,  
which will be announced June 30. Applic-  
ations will be accepted from scientists  
or engineers who received their terminal  
professional degrees less than ten years  
ago. If you are interested contact  
Signe Betsinger in the Experiment Station.  
Applicaitons received after the deadline  
will be considered for the next quarter.

Hill Visiting Professor Program - The  
Graduate School has invited regular  
applications for visiting professor  
support for 1981-82 and preliminary  
applicaitons for 1982-83. The deadline  
is October 13, but the process prior to  
application may be a long one so consider  
the program now. If you wish more in-  
formation see Linda Olson.

Hort Sport Report - The Hort Horrors  
were eliminated from the Spring quarter  
Class C softball playoffs in a heart-  
breaker, losing 19-18. Playing the  
first two innings shorthanded, they fell  
behind 11-1 but battled back valiantly  
only to succumb in the bottom of the 7th  
with the tying and winning runs on base.

Picnic - The Hort Club is sponsoring a  
picnic on June 6 at Como Park. They  
will be working with the Social Committee  
to plan the event. Everyone is invited  
to this event which includes all members  
of your family so reserve the day now  
on your calendar.

Water Watch - 2/3 tank, good quality stuff

Congratulations - to Bob Lyons, who passed  
his oral prelin yesterday.

## LATE FLASH

Graduate Students Election Results - I  
know this isn't Better Homes & Gardens,  
but here are the election results any-  
way.

President - Brent Pemberton  
Seminar Committee Rep. - Wayne Brown  
Social Committee - Bill Randle  
Faculty Meeting Rep. - Joe Zagorski  
COGS - Julie Hanson

GSC Rep. - Richard Johnson, Emily  
Hoover and Butch Peterson  
(Alternate)

Congratulations to those who did not  
win and good luck to the winners, may  
you have great success in herding the  
graduate student flock in the coming  
year.

I bid thee farewell  
Your President, O. Q. Lindstrom

# TWIG-BENDER

Vol. 3, May 23, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week -- May 26-June 1

- Mon - Memorial Day. University Holiday.
- Tues - College of Agriculture Assembly Meeting, 3:15 p.m., B 35 COB.
- Monday Evening Discussion on Tuesday 7:00 p.m., Fireplace Room, McNeal Hall, presentation by Scott Gatty.
- Wed - Floriculture Seminar, Noon, 394 Alderman Hall, "GA/Auxin Interaction" by Mich Hein.
- Seminar, 4:00 p.m., 415 Alderman Hall, "The effect of pre-storage heat and calcium treatments on the quality of some apple varieties during subsequent cold storage."
- Thur - Stress Physiology Discussion Group, 11:00 a.m., 398 Alderman Hall.
- Remember - Growing II in Student Center. This is the last week for the department art show.
- Coming Up - Hort Club Picnic, June 6.

Picnic - The time for the picnic sponsored by Hort Club is drawing near. Remember this is for everyone, so include all members of your family when you add up the persons in your party and return your reservation to Laura Kalisch. Reservations must be in no later than June 4, so the right amount of food and drink can be ordered. It's going to be a great picnic. Reserve now. Please indicate what type of culinary delight you'll be bringing. See you there!

Thanks - To Bob Lyons and Dave Olson, whose combined talents have resulted in a glorious hanging of the graduate students (their pictures, that is). The case and photographs are located just off the main lobby in Alderman Hall. Will someone please tell Marvin his grad. student desk is ready?

Welcome Back - To Shirley Fargale, who comes back to the Arboretum on Monday after a successful recuperation from surgery.

GODLINESS - Well, that caught your eye didn't it? The topic is actually cleanliness. Following the faculty meeting discussion of housekeeping, the editor has received some requests from other staff and students to comment on our slovenly habits. I sense there are more worthwhile burning issues in horticulture than housekeeping; however, our work is ultimately affected by the environment in which we work. The areas most often cited in these discussions have been 201 Alderman, headhouse working areas and photography room, growth chamber insides and greenhouse benches. All these are areas we use in common. Our common life and use of individual research and teaching time would be much improved if individuals would try to leave an area the way they would like to find it when they come to use it.

Get Well Wishes - are extended to Orville Lindstrom and Luke Waters. Orville broke his thumb in such a complex fashion that he was briefly hospitalized for its repair. Luke lost an argument with his car radiator and is now resting at home having been treated for burns.

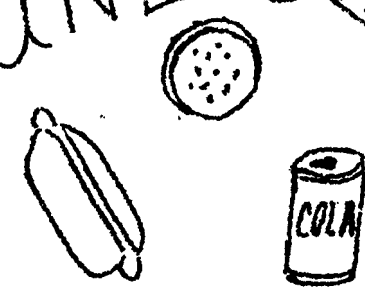
Thanks - to everyone who has made a contribution to the St. Paul Campus Improvement Fund. Canvassers Paul Boldt, Katy Weidel, Vicky Weise, Paul Read and Linda Olson appreciate the cooperation of everyone approached. An initial and hurried tabulation from the Institute indicates we are hovering just under the 60 percent mark with a total contribution of \$1,250. Remember, if 60 percent of our full-time faculty and staff contribute, we all are invited to an ice cream social. The taste of ice cream is in the air! Thanks again to everyone who has contributed already. Envelopes not yet turned in can be given to Linda Olson, who also has a supply of extras if someone was inadvertently missed.

Congratulations - to Tim Setter, who passed his oral exam last week. Tim, who is an agronomy graduate student, has worked extensively in this department with Mark Brenner.

Graduating Seniors Luncheon - June 4 has been set as the date for the graduating seniors luncheon. It will take place in Room B of the St. Paul Dining Center. See Evonne Kuyper for reservations.

Welcome Back - to Cecil Stushnoff, who has returned to St. Paul following seven months at USDA/SEA in Washington D.C. where he served as a consultant in horticulture research.

JUNE 6 B!



PICNIC



# TWIG-BENDER

Vol. 3, May 23, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week June 2-8

- Mon - Monday Evening Discussion, 7:00 p.m., Fireplace Room, McNeal Hall, presentation by Kobra Haghighi, followed by homemade ice cream at the Ozburn's.
- Tues - PICNIC RESERVATIONS TO LAURA
- Wed - Floriculture Seminar, Noon, 394 Alderman Hall, Tour of student projects.
- Graduating Seniors Luncheon, Noon, Dining Room B, St. Paul Student Center.
  - Discussions in Incompatibility, 2-4 p.m., 398 Alderman Hall, "Unilateral incompatibility in Vicia faba".
  - Seminar, 4:00 p.m., 415 Alderman Hall, "Evaluation of some Citrus rootstocks for tolerance to calcareous conditions". By Mohamed El-Otmani.
- Thur - Consultative Committee, 9:00 a.m., 398 Alderman Hall.
- Stress Physiology Discussion Group, 11:00 a.m., 398 Alderman Hall.
- Fri - PICNIC! 6:00 p.m., Como Park near the dome. Everyone is invited.
- Upcoming - Graduation, June 10.
- Staff Meeting, Tuesday, June 10, 8:15 394 Alderman Hall.

Congratulations - to Pete Ascher, who received a Competitive Grant of \$85,000 for two years from USDA/SEA for, "Effect of Interspecific Bean Hybrids on Symbiotic Nitrogen Fixation".

Lobby Plants - The 3rd floor lobby plants will be tended by a rotation of interested persons, one month per person and instruction provided free. If interested in getting on the list please contact Dick Widmer with your preference. Thank you.

Advance Notice - Experiment Station Director Dick Sauer will be visiting the building on June 18. Two days earlier on the 16th, small legislative groups will be touring Alderman Hall. For some areas of the building now is not to soon to begin cleaning.

Bicycles - Yes, we support energy conservation. No, we cannot provide parking space for bikes inside the building. There is a University regulation against bikes in the building. There is bike space immediately outside the 3rd floor entrance and right across the street by the water tower. A large rack is located outside the 1st floor entrance and your intrepid editor continues her efforts to get a second. Outside with the bikes please.

St. Paul Campus Improvement Fund - Congratulations to us all; to the fund's general chairman this year, Jane McKinnon, to canvassers Boldt, Read, Weise, Olson, Weidel and to all who made a contribution. Everyone who gave helped us to the goal of having more than 60 percent of those canvassed contribute. Be alert for notice of the promised ice cream social.

Vehicles - We have had our new van for a month and the new sedan arrives shortly. As once said in the Twig, somewhat confusingly, the new van is for people, not sacks of soil, flats of plants or piles of tools. It was purchased so that small classes can travel more economically. A novel idea--now that several people may travel roundtrip to the Arboretum or HRC on a given day, consider going together in the van. The same guidelines apply to the new sedan. These are road vehicles for people. They are very expensive and need to serve us for some time. That is only possible if each of us does our part to treat them well, keep them clean and avoid running into other department vehicles. If you need short distance hauling power and the general truck is signed out, see Norm Polzin about using his van, the Scooter, or the other pickup. A review of the van's mileage log for the first month of use shows most folks are using the van as intended. Thanks for your help.

Graduating Seniors Luncheon - The Luncheon is set for Tuesday the 4th. Advisors please see Evonne Kuyper to let her know whether or not you will be attending.

Picnic - The Hort Club is sponsoring Friday's picnic at Como Park. All of us and whatever families we would like to claim are invited. Sign up with Laura Kalisch. She needs to know how many are coming and what pot luck item you are bringing to accompany the hot dogs and hamburgers provided. Cost - adults \$1.50, children .75.

Photos - Spare yourself further forays by the footloose photographer! Submit any photos suitable for this year's alumni newsletter to Linda Olson.

From The Official Rules "All memos that you save will never be needed until such time as they are disposed of, when they will become essential and indispensable".

..... June already! What happened to May? .....



# TWIG-BENDER

Vol. 3, June 6, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort Sci & Land Arch  
Editor: Linda Olson

This Week -- June 9-15

## Finals Week

- Tues - Staff Meeting, 8:15 a.m., 394 Alderman Hall.  
- Extension Staff Meeting, 10:00 a.m., 394 Alderman Hall.  
- Graduation, 7:00 p.m., Northrup.
- Wed - Graduate Studies Committee, 9:00 a.m., 398 Alderman Hall.
- Thur - South Central District Extension Committee Campus Tour, in Horticulture 10:30, 11:15, 1:30 and 2:15.  
- Oral Prelim, Abderhamme Hilali, 3:00 p.m., 398 Alderman Hall.  
- Landscape Architecture Thesis Students Jury, theatre, North Hall, beginning 8:30 a.m.
- Fri - Landscape Architecture Thesis Students Jury, theatre, North Hall, beginning 8:30 a.m.  
- The 13th, need more be said?
- Sat - Flag Day
- Sun - Father's Day-try not to confuse the two.

TODAY-PICNIC-COMO PARK DOME 6:00 p.m.

In case of Rotten weather we will picnic here in picturesque Alderman Hall, so don't give up and stay home if it starts to rain.

Dean's List, Winter '80, College of Ag.

## HORTICULTURE

|                      |                      |
|----------------------|----------------------|
| Kirsten H. Albrecht  | Mary J. Meyer        |
| Lisa C. Allison      | Sharon L. Moeller    |
| Larry K. Boze        | Brian C. Nungesser   |
| Dana M. Cipperly     | Barbara L. Ostfield  |
| Kevin L. Edberg      | Barbara M. Pechous   |
| Diane M. Erickson    | Jeffrey P. Schroeder |
| Nancy J. Esberg      | Deborah J. Simons    |
| Susan M. Schrim Kylo | Peter H. Velguth     |
| G. John Larson       |                      |

## LANDSCAPE ARCHITECTURE

Michael J. Fenelon

News Letter - The first edition of the Undergraduate News Letter is being mailed out today.

Congratulations - to Ok Young-Stadelmann, who on June 4 became a U.S. citizen.

Institute Advisory Council - When the council meets on June 17 at the Arboretum, two of our faculty will be given presentations. Bob Mullin will speak to council spouses on "The Making of a Beautiful Place to Be", and Pete Ascher will speak to the entire group on, "Developing New Crops by Reversing Evolution Through Science".

St. Paul Campus Improvement Fund - Jane McKinnon received a letter from Norman Brown, the new Extension Director, in response to the fund drive. When he first traveled here he was disappointed in the lack of landscaping on the campus. He writes, in part, "I was absolutely delighted to learn when I came here early this year, from Bill Hueg, of the fact that the faculty of this institution have launched an effort to do something about this situation.... I want to convey to you as chair of this committee my sincere appreciation for the efforts to your and your colleagues for this very important project. I look forward to being part of a campus where there is this kind of civic responsibility and concern for the environment in which we and our students learn and work".

Retirement - Bob Nylund's, that is, continues to sound more delightful and just plain more fun than anything the rest of us are doing. Bob, the boys and girls of the coffee room enjoy the news.

Election Results - Dave Olson was recently elected by Civil Service Personnel to be their representative on the department's Academic Grievance Committee. Dave will serve in this position from now until June 30, 1981.

New faculty members have been elected to the Graduate Studies Committee. Luke Waters will fill the position vacated by Mark Brenner on July 1, and serve for 3 years. Bert Swanson was elected to serve for Dick Widmer during 1980-81 after which he will fill the position vacated by Florian Lauer and serve until June 1984.

Graduate Student Health Questionnaire - Brief questionnaires were recently distributed to graduate student mailboxes. The questionnaire was designed by the University Pediatrics Department. They are making plans to offer a pre-paid health plan for dependent children of students. This is an attempt to offer complete affordable out-patient care for students' children. It does not include hospitalization. Your response will be helpful to those planning the program. Please return your questionnaire to Linda Olson.

University Senate - Sharon Desborough has completed her term on the Senate. In recent balloting Don White, Jim Ozbun and Mark Brenner were elected to serve Senate terms.

# TWIG-BENDER

Vol. 3, June 13, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort Sci & Land Arch  
Editor: Linda Olson

This Week June 16-22

Nothing Scheduled - Watch for notice of Don Taylor's Seminar.

Directory Listing - Recently all persons listed in the current University Student-Staff Directory received cards to update their entry in the new directory to be published in the fall. If you did not receive a card but are a full time employee or graduate assistant, please get a directory card from Colleen O'Neill in the main office, complete the top section and leave it with Colleen. This will assure your being included in the directory.

DNR Newsletter - The Minnesota Department of Natural Resources has started publishing a newsletter called "The Demonstration Six" which keeps you up to date on the Federal Dutch Elm disease demonstration project in Minnesota. If you wish to be on the mailing list let Dick Rideout know.

Mileage Reimbursement - A reminder that as of July 1, University personal car mileage rates are increased to 19¢ per mile.

Office of Intercultural Programs - OIP was established in 1974 with the mission of linking "minority" communities with the University of Minnesota. As a preliminary step toward achieving the goal of making University resources available to these communities, OIP, in cooperation with the American Indian Learning Resource Center, Asian/Pacific American Learning Resource Center, Black Learning Resource Center, and the Juarez/Humphrey Chicano/Latino Supportive Services Center, has agreed to establish a Minority Research and Resource Directory. In the directory they hope to list University of Minnesota faculty, staff, and graduate students interested in research and/or development for or about Afro-Americans, American Indians, Asians (recent immigrants), and Chicanos. They also will list individuals in the wider community with similar interests. Unless you object, the files will be open to anyone interested. Two files will be kept: One alphabetical and the other topical. If you wish to be included in the directory see Linda Olson, who has the form you need to complete.

Congratulations - to the Preece's, whose family was expanded this week to include daughter Ellen Platt Preece, born at 2:00 a.m. on June 10.

Travel? - A reminder from travel expert, Angie Klidzejs, that it's not too early to start submitting travel documents for travel to ASHS.

Speaking of ASHS... names of all those presenting papers and poster papers at the meetings should be given to Jim Ozbun. He and Leonard Hertz are organizing the pre-meeting practice session.

Condolances - To John Carter and his family. His wife's father died recently.

Travel Funds - There are Graduate School travel funds still available for faculty, to be used when you are seeking support funds. These must be used (at least obligated for in detail) by June 30. Please let Linda Olson know if you are interested.

## Seminar

Chemical Control of Dutch Elm Disease  
Monday, June 16, Earle Brown Center, Room 35 B & D, 6:30-9:00 p.m., refreshments. Emphasis on newly approved special needs 3 x label for Arbotect 20-S and Dursban. Sponsored by Merck Chemical and Hopkins Chemical Companies.

Received from Joe Hanan, Colorado State  
Publications policy for Hort Sci and the Journal.

I would like to draw your attention to the letters in the December Hort Sci 14:687, and the consequent replies by myself and G. C. Martin, Publications Committee Chairman, in the April issue, 15:128.

The Publications Committee Annual Meeting is scheduled for Wednesday, July 30, in The Student Center 208, beginning at 1:15 p.m., during the 77th Annual Meeting of the Society at Fort Collins.

If you have any doubts about the policy as formulated by the Committee and published in the December issue, or comments as to what the policy should be, I urge you to be present during this meeting.

The members of this year's committee may be found on Page 843 of Volume 14, Section 3, December issue. Letters to the chairman, Dr. Martin, or other members of the committee, prior to the meeting, would allow the committee to give better consideration to your wishes.

Congratulations - To recent recipients of grants from USDA Competitive Grants. Pete Ascher received \$85,000 for 2 yrs on "Effect of Interspecific Bean Hybrids on Symbiotic Nitrogen Fixation." and Mark Brenner received \$70,000 for 2 yrs on "Regulation of Leaf Photosynthesis by Reproductive Sinks."

Congratulations also to Aberhamme Hilali in passing his oral exams.

# TWIG-BENDER

Vol. 3, No. 22 - June 20, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week - June 23-29

- Mon - Faculty & grad students - 1:00 p.m.,  
310 AldH - Report of Department  
Head Review Committee
- Tue - Field Day - Waseca
- Wed - ASHS van riders - noon - 394 AldH  
- Field Day - Lamberton
- Thur - Space Committee - 8:15 a.m., 398  
AldH  
- Plant breeding presentations 8:45  
a.m., - 310 AldH - with visiting  
plant breeding students

IOWA STATE VISITORS - Approximately 20  
plant breeding students on tour from Iowa  
State will visit the department from 8:45 to  
10:00 a.m., on Thur. the 20th. There will be  
presentations in plant breeding, followed by  
a tour of lab facilities by P. Ascher & S.  
Desborough. Please feel free to join the  
group. If you have questions see D. Davis.

\*\*\*\*\*

DEPARTMENT HEAD REVIEW - The  
committee appointed by Dean Tammen will  
present an oral report to faculty & grad stu-  
dents on Monday at 1:00 p.m., in 310.

\*\*\*\*\*

FIELD DAYS - Received recently from the  
Exp. Sta.: "The Minnesota Crop Improvement  
Association (Harley Otto) has offered to  
supply caps for speakers at field days.  
These caps have the Crop Improvement  
symbol & are more "neutral" than those from  
individual companies. If you have staff that  
would like to accept this offer, I suggest  
someone from your unit determine the  
number wanted, if any, for your unit & make  
arrangements for them with the MCIA". If  
you are interested please give your name to  
Laura Kalisch.

\*\*\*\*\*

PEP ADVISORS - As of July 1, the college  
office will be leasing a vehicle for use by  
college office personnel. Alan Anderson will  
have first priority for the student  
recruitment program. The PEP program will  
have second priority. If you wish to reserve  
the vehicle for travel to PEP student work  
sites, please call Jean at 3-0921. Alan will  
try to schedule his travel Mon. through Wed.,  
making the car available most Thur. and Fri.

\*\*\*\*\*

HORT SPORT TRIUMPH - Last night the  
amazing Hortus Sportus men's soccer team  
shut out their opponents 2-0. Goals were  
scored by M. Khachani & Driese (from  
Animal Sci). Hooray for the team!!

\*\*\*\*\*

ASHS - Grad Students - Department support  
for graduate students attending ASHS will  
be \$80 for those giving papers & \$60 for  
those who are not. This can be obtained as  
a travel advance if you do it soon. See  
Angie Klidzejs for travel authorization  
forms.

WELCOME - to Jim Elvecrog, new assistant  
scientist with M. Brenner. Jim received his  
MS in chemistry at the U of M.

\*\*\*\*\*

ASHS VAN - These people have indicated  
they will be riding to the ASHS meetings in  
Ft. Collins, CO, in the departmental van:

- H. Chen - round trip
- S. Chen - round trip
- M. Dana - 1 way (out)
- A. Economu - round trip
- A. Fennell - round trip
- K. Haghighi - round trip
- J. Hanson - round trip
- L. Marsh - round trip
- R. Montenegro - round trip
- C. Robacker - round trip
- H. Wilkins - 1 way (back)

If your name isn't on this list & you're going  
by the van or if your name is on this list &  
you're not going by the van, let R. Hummel  
know VERY SOON!! We will have a meeting  
Wed., 6/25/80, at noon in 394 to discuss  
travel arrangements. If you can't make the  
meeting please let Hummel's travel service  
know.

\*\*\*\*\*

JOB OPENINGS - Current openings in the  
department include jr. scientist with P.  
Goldt, jr. scientist with C. Stushnoff & sr.  
lab tech with P. Read.

\*\*\*\*\*



# TWIG-BENDER

Vol 3, No. 24 - July 3, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & Land Arch  
Editor - Linda Olson

## This Week - July 7-13

- Mon - St. Paul Campus Landscape Advisory Committee - 9:00 a.m., 398 AlderH  
- MS Exam - Abdellatif Berre - 9:00 a.m., 152 AlderH
- Tue - PhD Final - John Preece - 9:00 a.m., 398 AlderH  
- Herbicide Storage meeting - 9:00 a.m., 394 AlderH - NOTE NEW ROOM  
- Director Sauer's visit to the department - 1:00-5:00 p.m.
- Thur - Field Day - Morris
- Fri - Energy Field Day - Staples
- Sun - Iris Society of MN, Late-Late Iris Show - Arboretum

DIRECTOR'S VISIT - On Tuesday, Richard Sauer, Director of the Experiment Station, will be touring Alderman Hall. The schedule originally arranged for in June will be followed: 1-3:30 - Tour of AlderH with 5 stops in specific research areas; 3:30 - Coffee in 310 with faculty & grad students followed by round table discussion with faculty in 394; 4:30 - discussion with Jim Ozburn. Please have your research areas in appropriate shape for the visit. It is hoped everyone can be here that afternoon.

\*\*\*\*\*

FACULTY POSITION - An announcement has been received for Assistant Professor, Agriculture Research & Education Center, Bradenton, Florida - weed control in vegetable & ornamental crops. Salary \$20,000 minimum. See job book for details.

\*\*\*\*\*

KALLIO RETIREMENT PARTY - Arvo Kallio is retiring from the University at the end of August & a party will be held in his honor at Grand Rapids following the Crops & Soils Field Day on Thursday, July 17, Laura Kalisch & Evonne Kuyper will be collecting money for a gift for Arvo. Please have your gift in by Monday, July 14. (Those who received notice of the Grand Rapids barbeque supper please note: The supper is Wednesday evening preceding the Field Day, Arvo's party follows the events Thursday evening.)

\*\*\*\*\*

CIVIL SERVICE POSITIONS AVAILABLE - The following jobs are open: Sr. Lab Tech #20304, Jr. Scientists #20111 & #20113, Assistant Gardener #20386 (available to non-union applicants 7/11/80).

\*\*\*\*\*

OFFICE STAFFING - Faculty - anyone who has fall quarter typing, such as class materials, available submit it for typing now rather than just prior to school opening in September. This will greatly help smooth the office workload.

\*\*\*\*\*

HORT SPORT REPORT - The rapidly improving co-rec softball team, the Hort Horrors, lost 10-7 Monday night. New players, both men & women, are welcome - the team played with just 3 men in their first game & was short 1 woman in the June 30 game. Games will continue to be played Monday evenings. Notices of time & place will be posted in AlderH, contact Julie Hanson or Paul Read for more information.

\*\*\*\*\*

CHECK CASHING - Effective immediately! Any staff or faculty member who has an expired ID card & wishes to cash any check (including traveler's checks, except University payroll checks) must bring their old ID card & a note from their department executive secretary stating that s/he is still employed at the U of M. Keep the note! It may be used until you get your new ID card. Any complaints about the long wait for your new ID card should be written to the Personnel Department. Thanks for your cooperation!

\*\*\*\*\*

VEHICLES - All those Hort drivers thinking of entering the I-can-dent-the-new-vehicle-first competition, forget it!! The Citation has been hit & will be out starting Thursday for body work. Please use caution & common sense in operating department vehicles as you would with your own. 80% of our accidents seem to occur in the infamous hort greenhouse parking lot, so be especially careful there. Reminder only department vehicles should be parked in that lot, and if you have an accident or notice a vehicle has been damaged when you take it out, notify the main office immediately so a report can be filed.

\*\*\*\*\*

CONGRATULATIONS - To Neil McHale who has accepted a position at the International Plant Research Institute in San Carlos, California. Neil starts his new duties on August 1.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3, No. 25 - July 11, 1980  
05 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & L.A.  
Editor - Linda Olson

## This week - July 14-18

- Mon - ASHS Practice Sessions, 394 AldH, 8:00 a.m.-5:00 p.m.
- Tue - ASHS Practice Sessions, 394 AldH, 8-Noon
  - Field Day Crookston
- Thr - Field Day Grand Rapids
- Fri - M.S. final exam, Mary Stuart, 398 AldH, 10 a.m.
  - Ph.D. final exam, Neil McHale, 394 AldH, 9 a.m.

Thursday - Sunday: American Hosta Society Meeting, Arboretum

THANKS to everyone who helped make Director Dick Sauer's visit a success; preparing material under deadlines, having labs orderly, moving equipment from hallways, baking cookies, being on hand for the visit. All these efforts contributed to a successful visit in our department.

\*\*\*\*\*

CONGRATULATIONS to Abdulatiff Berre and John Preece who passed their final exams last week.

\*\*\*\*\*

WELCOME to new Assistant Professor/Extension Specialist Don Taylor who has joined the department to fill a temporary extension & research position in turf. His office is 454 AldH and his phone (soon) will be 3-1149.

\*\*\*\*\*

WELCOME to David Woolley Visiting Assoc. Professor from Massey University, New Zealand. David will be working with Mark Bregner for one year. His room is 328 AldH, phone 3-1024

\*\*\*\*\*

MOROCCO VISITOR Aly Lasheen will be in St. Paul July 20-26. Laura Kalisch will be handling his itinerary on Monday when she returns from vacation. All advisors of Moroccan students are urged to spend some time with Aly while he is here.

\*\*\*\*\*

PRAIRIE EXHIBIT Everyone is invited to the dedication ceremony of the Albert G. Johnson Prairie Exhibit which will be held 2-4 p.m. on Sunday, July 27 at the Arboretum. Please R.S.V.P. to the Arboretum, 443-2460.

\*\*\*\*\*

THANK-YOU EVERYONE for evacuating the building yesterday when the alarm sounded. It turned out not to be a fire that time but when the alarm sounds, prompt evacuation is a must.

EQUIPMENT LOGS In an attempt to keep some of the equipment on the 2nd floor operating for longer periods between breakdowns a couple of old policies are being rejuvenated. (1) Those instruments listed here now have logbooks for users to write down the date used, the length of time used, and comments concerning the status of the instrument. Please use these logbooks each time you use one of the instruments. (2) Each instrument now has an individual in charge of it. If you want to use an instrument and have not used it before you must check with this person. Also check with them to reserve time on the instrument. We hope these policies will keep things running smoothly.

Conductivity meter-Lindstrom;  
mmr - Rajashekar; scintillation counter-Carter; Acta III uv-vis - Chen; GC - Guy; ultracentrifuge - Grown; new Sorvall centrifuge - Brown; DTA - Lindstrom

\*\*\*\*\*

BALANCES The balances in the 2nd floor weighing rm are currently being used heavily. Both the 1 mg and the 0.1 mg Mettlers have recently been rendered inoperable by either careless or untrained users. The most common mistake is failure to properly use the half-arrest. When these balances are not working or are in error due to abuse, several people have trouble continuing their research. If any of you need to use these balances but have never been instructed in their proper care & feeding, please don't hesitate to ask for help. Those of us who need them are eager to assist you. And please, don't send a lab assistant, work study person, etc., on a weighing mission before making sure that he/she has been shown how to use the balance. J.V.Carter

\*\*\*\*\*

PART-TIME POSITION Carleton College needs someone to teach their Introduction to Plant Physiology course fall qtr. It is a small (8-10 students) class & course hrs can be arranged so that the instructor needs to travel to Northfield only twice/week. For info call Dept. of Biology Chairman, Gerry Hill, 507-663-4391.

\*\*\*\*\*

NEW LOCATION & PHONES Pete Ascher, Pam Myers-Strangis, and Shen Zheng Yan, room 270, 3-1087; Volkert Sjut, Carl Belke and David Woolley, room 328, 3-1024; Xu You Yu, Ok Young Stadelmann and Channa Rajashekar, room 230, 6-1271.



# TWIG-BENDER

Vol. 3, No. 26 - July 18, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor - Linda C. Olson

## This Week - July 21-27

Mon-Wed - ASHS Great Plains Meeting,  
Saskatoon, Saskatchewan

Mon-Fri - Individual meetings with Dr. Aly  
Lasheen

NEEDED TO BORROW - Does anyone have a roof top luggage carrier which would fit on the department van? We need more luggage space for going to ASHS. If you have one you would loan, please contact Mike Dana as soon as possible.

\*\*\*\*\*

AWARD LETTERS DELAYED BY RECISSION - Because of late notice from the Federal Government of financial aid recissions for 1980-81, financial aid award notices to students will be delayed approximately 3 weeks. This means that applicants who submitted applications on time should not expect to receive their award letters before the end of July.

\*\*\*\*\*

ADULT SPECIAL STUDENTS - The Federal Government has clarified its eligibility requirements for financial aid. Students must be enrolled in & admitted to a degree or certificate granting program in order to be eligible for financial assistance.

This means that adult special students will no longer be eligible for aid unless they are enrolled in a University certificate or degree granting program. Wherever possible, would you please advise your students who wish to register in adult special status of this restriction.

\*\*\*\*\*

DEPARTMENT PARKING PERMITS - Our department permits have been received. They are rare, hard to get, hard to replace. We quote from a few of the many guidelines we received with them. Please help us use them well. They can be signed out with Colleen O'Neill.

1. Permits will not be issued for visiting instructors or personal convenience. Reserved parking arrangements are available through Parking Services.

2. Official vehicle permits will not be assigned to specific locations; furthermore, the assignment of a permit will neither guarantee the holder a space to park nor will it give the holder license to park in a yellow curbed area when no designated permit space is available.

3. Official Vehicle Permits are not valid in Handicap, Service Vehicle Areas, or Contract Lots.

\*\*\*\*\*

KALLIO RETIREMENT - A party for Arvo Kallio was held yesterday in Grand Rapids following the Field Day. Jane McKinnon served as MC and Bob Nylund, who sends his regards to all of us down south, was on hand to say a few words in Arvo's honor. Several others were on hand to celebrate the occasion.

\*\*\*\*\*

GRADUATE STUDENT OFFICES - It's that time of year when many are coming or going from the department. Would those of you departing for greener fields, other fields, I'm tired of the fields, please notify Linda Olson of the probable time you'll be going. This would help considerably in assigning desk space.

\*\*\*\*\*

REMINDER - The dedication ceremony of the Albert G. Johnson Prairie Exhibit will be held on Sunday, July 27, from 2-4 p.m., at the Landscape Arboretum.

\*\*\*\*\*

Everyone Traveling to ASHS has already filed travel authorizations, Right?  
GOOD!!

# TWIG-BENDER

Vol. 3, No. 27 - July 25, 1980  
305 Alderman Hall, St. Paul, MN 55108

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

This Week - July 28 - Aug 1

Mon-Fri - 77th Annual Meeting of ASHS

GOOD NEWS - We have heard that Ruth Hunt is out of the hospital and Eldred is surviving. We have also heard that Bob Nylund has new wheels!

\*\*\*\*\*

MISSING - A 35 mm Nikon camera and a calculator that were left in room 258. Any information as to the whereabouts of these items should be brought to the attention of either Laura Kalisch or Linda Olson. Thanks.

\*\*\*\*\*

CIVIL SERVICE PAY PLAN FOR 1980-81 - A general outline of the salary plan for July 1, 1980 through June 30, 1981 appears below. Questions & details should be discussed with your supervisor or your personnel services representative:

1. 1/1/81 Performance Increase - A discretionary increase, recommended by your supervisor, based on an evaluation of your performance. Employees are eligible after one year of full-time employment, followed by a second prorated increase on the next January 1 & once a year thereafter, unless the cycle is changed by promotion, leave of absence, break in service, or a new pay plan.

2. 7/1/80 & 1/1/81 Cost of Living Increase - A general, across-the-board increase defined by formula & tied to the rate of inflation. This formula specifies that for each .4 of a point rise in the Minneapolis/St. Paul Consumer Price Index for the months specified, a \$.01 per hour salary increase will be given to most Civil Service employees. This delivers the same cents per hour increase to all employees.

\*\*\*\*\*

TRAVELING - Ok Young Stadelmann left for Korea last week for a family visit to see her oldest brother who is seriously ill. She will be back around the middle of September. Ed will be leaving for Europe after the ASPP

meetings. He will visit labs in Wurzburg, Vienna, & Innsbruck. He will be staying 2 weeks at the Institute of Plant Physiology in Graz & will be back around the end of September.

\*\*\*\*\*

CONGRATULATIONS - To Joe Sowokinos and Janis Weinlaeler who were married on July 5, 1980.

\*\*\*\*\*

A GOLDMAN GOODIE - Where else in the U.S. can you travel & hear the locality you're passing by referred to as the "Twin Cities"? (Bona-fide by radio broadcast!!) Drop the answer in my box, there will be a prize!

\*\*\*\*\*

MORE CONGRATULATIONS - To the many students who passed their oral examinations last Friday (7/18/80): Emily Hoover, Neil McHale, Marikis Alvarez, & Mary Stuart.

\*\*\*\*\*

WELCOME - To the many new graduate students - Mark Bennett, Bill Striegel, Tom Brinda, Brian Smith, & Gerald Rau, who have arrived in the past few months & weeks. We hope you will all enjoy your stay here in the department.

\*\*\*\*\*

BELETED CONDOLENCES - Dr. Richard Widmer's mother passed away this last June after suffering a massive stroke. We all extend our deepest sympathy to Dr. Widmer and his family for the loss of this family member.

\*\*\*\*\*

HAPPY TRAILS - To everyone going to the ASHS meetings in Fort Collins this coming week. Drive carefully, have a good time & don't forget to fill out travel expense vouchers when you return.

\*\*\*\*\*



# TWIG-BENDER

Vol. 3, No. 28 - August 1, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & Landscape Arch  
Editor: Linda Olson

## This Week - August 4-10

Mon-Fri - ASPP Meetings, Pullman, Washington

Welcome back to ASHS Travelers

Coming Up - Minnesota Nurserymen's Association Summer Meeting, August 13 at the Arboretum. Register before August 6.

**CONGRATULATIONS** - To Eduard Stadelmann, who with Bill Bushnell of Plant Pathology & the Cereal Rust Lab, has been awarded a Competitive Grant from USDA/SEA. The award is \$70,000 for 2 years to study "Host Membrane Permeability in Powdery Mildew of Barley".

\*\*\*\*\*

**WELCOME** - To Doug Gray who begins work on Monday as an assistant gardener in the hort greenhouse.

\*\*\*\*\*

**EMERGENCY NUMBER** - Effective 7/14/80, a new 3-digit emergency number has been installed for the Twin Cities campus. The new number is "133". Dialing this number from any TC campus phone (phones having 373- & 376- prefixes) will immediately connect the caller with the University Police Dispatch Center. The new 133 emergency number will replace the "Dial 0" emergency procedure previously used.

The new 133 emergency number should be used to report all types of emergencies: fires, crimes, dangerous/radioactive emissions, broken water pipes, utility failures, accidents, heart attacks, etc. Implementation of the new 133 number will hopefully allow the U police to respond more quickly to an emergency, & to arrive at an emergency scene in a matter of 3 minutes or less.

Colleen O'Neill has a supply of stickers for phones indicating the emergency procedures.

\*\*\*\*\*

**COFFEE FUND** - Thanks to those who responded promptly to the request for payment. A new supply has been purchased & the fund hovers on the edge of solvency. We will see if we can continue to offer the service.

\*\*\*\*\*

**THE GREAT TWIN CITIES CONTEST** - So you thought Minneapolis/St. Paul was the only Twin Cities? Try these on for size:

Port Williams/Port Author - Pat Hencir; Meena/Menasha, WI - Pete Ascher, Linda Olson; Marinette/Menominee, WI - Pete Ascher; Gloversville/Johnston, NY - Paul Read; Batesburg/Leesville, SC - Luke Waters; Urbana/Champaign, IL - Mark Widrechner, Margaret Smithberg; Rock Falls/Sterling, IL - Gus Hard; Two Rivers/Manitowoc, WI - Linda Olson; Kansas City, MO/Kansas, KS, Seattle/Tacoma, WA, San Francisco/Oakland, CA, Dallas/Fort Worth, TX, Tampa/St. Petersburg, FL - Bill Striegel; Scotts Bluff/Gering, NE\* - Dan Goldman. \*The one that started it all! Naturally, I am assuming these are all "real" Twin Cities via radio broadcast in the local area. Prizes will be awarded, but an indefinite statute of limitations will be placed on withdrawal pending notification that somebody goofed!! (Late entries accepted from ASHS travelers, of course.)

\*\*\*\*\*

**BEST WISHES** - To Alice Polzin who had knee surgery last week. She is doing fine and recovering in the hospital.

\*\*\*\*\*

**JOB OPPORTUNITY** - At the Sr. Citizens Center, St. Louis Park. About a 1/2 block park, needs layout for flower beds, paths, sitting areas, etc. Also need some horticultural instruction. For more information check the job board in the main lobby.

\*\*\*\*\*

# TWIG-BENDER

Vol 3, No. 29 - August 8, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week - Aug 11-17

- Mon- Consultative Committee, 5:30 p.m.,  
Jane McKinnon's house
- Sat - Ed Oyer visiting from IRRI
- Iris Society of Minnesota Rhizome Sale - Arboretum
- Sun - Iris Society of Minnesota Rhizome Sale - Arboretum

WELCOME BACK - To plant physiology meeting travelers. Remember to claim your expenses soon!!

\*\*\*\*\*

CONGRATULATIONS - To Hassan Elattir & his wife Zakia who are the proud parents of a new daughter born this week.

\*\*\*\*\*

WELCOME - To alumnus Bob Campbell who is visiting in Pete Ascher's lab until Aug 24 when he leaves to spend a year at the botany laboratory at the University of Nijmegen, Holland.

\*\*\*\*\*

OPEN POSITIONS - Current openings include a 6 month temporary replacement Principal Secretary (Laura will be taking some special time with her arrival, but not before Sept). The position dates are Sept 15 to March 15. Also, we have an opening for a part-time Accounts Assistant, 20-25 hours per week, 12 month continuing position. Both students & non-students can apply for this position. If you know of anyone who might be interested in these jobs, have them get in touch with us.

\*\*\*\*\*

CONGRATULATIONS - To Rita Hummel who has accepted an Assistant Professor position at Michigan State University.

\*\*\*\*\*

BEST WISHES - For recovery to Pete Ascher's dad who had heart surgery this week & is doing well at Appleton - Memorial Hospital, Appleton, WI.

\*\*\*\*\*

WELCOME - To new employees Mary Severson, Kent Mullinix, & Mary Hosier. Mary Severson is Jr. Scientist with Don White & is finishing her MS in Soil Science. Mary Hosier, who received her BS from this department, is Sr. Laboratory Technician with Paul Read. Kent Mullinix who has his MS from the University of Missouri, Columbia, is currently in Missouri. He will be arriving later this month to begin work as Jr. Scientist with Cecil Stushnoff.

\*\*\*\*\*

MEMORIAL SERVICES - Were held this week on Wednesday at the St. Anthony Park Church of Christ for Thomas Weston French, son of David French, Head, Department of Plant Pathology.

\*\*\*\*\*

MORE TWINS - In case you thought you had seen the last of these, guess again. College Station/Byron, TX, submitted by Butch Petersen. Finally (maybe) a submission from David Wooley which reads as follows: "The only true (?) Twin City is Budapest. Buda on one side of the Danube & Pest on the other (Viva L'Europeans). (What about Minnipaul on the Mississippi?)"

\*\*\*\*\*

REGENTS' SCHOLARSHIP PROGRAM - A recent memo from Human Resources Development highlighted some aspects of the program, which allows employees to take classes tuition free, including some changes. It might be helpful to pass the information on with fall quarter approaching. Civil Service & Bargaining Unit employees of 75% or more time are now eligible to apply for the program immediately upon beginning employment with the approval of their immediate supervisor & department head. The recommendation & approval process is the responsibility of an employee's supervisor, & both supervisor & employee must remember recommendation for the program is a privilege not a right or benefit of the employee. Final approval on credits & hours to attend class rests with the supervisor. If you plan to apply, do so well in advance allowing at least 2 weeks for processing. Human Resources will no longer approve "walk in" applications. Also, tuition is waived but not late fees. Applications are available in the main office in Alderman Hall & from Darleen Ulrich at the Arboretum. The application form includes information on policies of the program, what courses are covered, how to apply, & registration steps.

\*\*\*\*\*

REMEMBER - The first staff meeting of the school year will be on Sept 3. Mark your calendars now!!

\*\*\*\*\*

# TWIG-BENDER

Vol 3 - No 30 - August 15, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week - August 18-24

Another "meeting free" week in which to accomplish much.

UPCOMING: Wednesday, September 3 - Staff Meeting

Tuesday, September 23 - Director Sauer visits.

CONGRATULATIONS - To Will Healy who passed his MS oral exam on Wednesday the 13th.

\*\*\*\*\*

HORT 5041 - Environmental Physiology of Hort Crops - The undergraduate curriculum committee has reviewed the course content of Hort 5041 in conjunction with other course offerings in the department. It is their recommendation the course be restructured to emphasize the food production area. In view of this recommendation, we are going to revise the course. It will not be offered in winter 1981 as indicated in the current class schedule. Please keep this in mind when scheduling your students for the current academic year.

\*\*\*\*\*

POSITION AVAILABLE - Urban Horticulture Specialist - University of California - Riverside Campus. Develop & conduct an education program in community & backyard food production, urban pest management & subjects related to the non-commercial sector. Cooperate with county & state staff in development & dissemination of program. Identify clientele & assess needs; assure affirmative action in development & delivery of program. Use all mass communications media. MS in plant science, horticulture &/or vegetable production; experience in small-scale food production & community service required. Bilingual desirable. Contact: Academic Personnel, Cooperative Extension, 331 University Hall, University of California, Berkeley 94720. Closing date: 9/12/80. Refer to #8038.

\*\*\*\*\*

CONGRATULATIONS - To Cecil Stushnoff who has accepted the position of Department Head in the Department of Horticulture Science, University of Saskatchewan, Saskatoon.

\*\*\*\*\*

BEST WISHES - To Steve Ruce who is recuperating following ear surgery at the Mayo Clinic.

\*\*\*\*\*

RETIREMENT LUNCHEON - for Leonard L. Harkness, program director, 4-H Youth Development, Agricultural Extension Service, U of M on Saturday, September 20 at the Radisson St. Paul Hotel. For more information see invitation posted on the faculty bulletin board.

\*\*\*\*\*

WELCOME BACK - To Mr. Xu who has returned to the department after successful back surgery.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3 - No. 31 - August 22, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Land Arch.  
Editor: Linda Olson

## This Week - August 25-31

**TODAY** - Ice Cream Social for Emilie - 2:30 p.m., 394

**Mon** - Seminar, 4:00 p.m. - 394 AldH, Dr. Steve Pieniazek

**Mon-Thu** - Annual meeting of the American Phytological Society, Minneapolis East Bank. See program booklet for details at front desk in main office.

**COMING UP** - Staff Meeting - Wednesday, September 3, 8:15 a.m., 394 AlderH.

September 5, morning, Director Sauer will be visiting the Arboretum & HRC.

**CONSULTATIVE COMMITTEE** - Please exercise your right to vote. Return your ballots **NOW!!**

\*\*\*\*\*

**STATE FAIR ALERT** - Due to the MN State Fair, our entrances & exits to the St. Paul campus are a little restricted after hours. For after hours & weekends please use the following: **ENTER:** Boyd-Commonwealth (near vet med) - **EXIT:** 1) Boyd-Commonwealth, 2) Buford. All others will be closed.

\*\*\*\*\*

**DEPARTMENT VISITOR** - Dr. Steve Pieniazek & his wife, Dr. Janiana Pieniazek, will be visiting the department this week. He is considered the father of modern horticulture in Poland & a great ambassador of horticultural goodwill all over the world - East & West. Harold Wilkins is coordinating their visit. On Monday they will be in the department in the afternoon with a seminar given by Steve Pieniazek at 4:00 p.m. See Laura Kalisch if you want an appointment earlier in the afternoon. Tuesday, August 26, they will be on tour at the Arboretum, HRC & Becker.

\*\*\*\*\*

**CONGRATULATIONS** - To Dan Goldman who received a Certificate of Merit for his

presentation in the Potato Association of American Graduate Student Awards Competition recently held in Scottsbluff, Nebraska.

\*\*\*\*\*

**FRIENDS** - When you move, change phones, change names, please notify the main office so we can keep our lists up-to-date. Thanks.

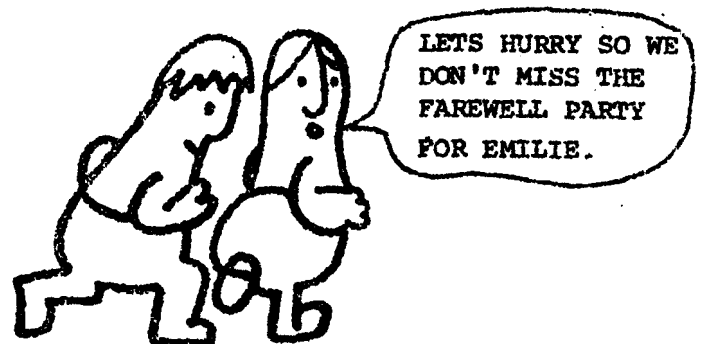
\*\*\*\*\*

**FULBRIGHT-HAYS PROGRAM** - The Center for Extension & Continuing Education at Universiti Pertanian Malaysia (Agricultural University) in Sardang invites an American senior professor for a 10-month period beginning in June 1981, to teach & assist university staff & students, as well as local & government officials, in research & evaluational methodology for development projects. The grantee should have a minimum of 10 years teaching experience & proven leadership in this area. The teaching assignment, while flexible, must be developed to local needs. See Linda Olson for details. They also are interested in someone able to begin immediately.

\*\*\*\*\*

**FAREWELL** - To Emilie Enzmann who has worked in the 3rd floor office for the past three years. Today is her last day. Emilie has 1 quarter of school left before she graduates & plans to devote her time to study. Brenner's Bunch will be smaller by 2 also. Dr. Carl Belke's last day is today & Dr. Volkert Sjut's will be Tuesday. We will miss all 3 of these people who have contributed so much to our department.

\*\*\*\*\*



**DON'T MISS THE ICE CREAM SOCIAL TODAY!!**

# TWIG-BENDER

Vol 3 - No. 32 - August 29, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Land. Arch.  
Editor: Linda Olson

## This Week - Sept 1 - 7

Mon - LABOR DAY - University Holiday  
Wed - Staff Meeting, 8:15 a.m., 394 AlderH  
Extension Staff Meeting, 10:15 a.m.,  
394 AlderH  
Fri - Director Sauer's visit to the  
Horticulture Research Center  
COMING UP: New Graduate Student  
Orientation, Friday, Sept. 26, 8:00 a.m.  
to noon.

CHINA TRIP - Jim Ozbun is leaving  
September 8 for a month's trip to the  
People's Republic of China. In his absence  
Dave Davis will be serving as Acting  
Department Head. Jim will be back in early  
October.

\*\*\*\*\*

DEAN'S LIST - Congratulations to  
horticulture & landscape architecture  
students who made the Dean's List for  
spring quarter 1980.

### Horticulture Students:

Lisa C. Allison  
Daniel A. Cunningham  
Kevin L. Edberg  
Cheryl A. Engelkes  
Diane M. Erickson  
Nancy J. Esberg  
Susan J. Gundersen  
Laura A. Hanson  
Laurie M. Johnson  
Susan M. Jorgensen  
Susan M.S. Kylo  
Gail A. Mauer  
Mary J. Meyer  
Sharon L. Moeller  
Brian C. Nungesser  
Paul L. Olson  
Marianne F. Ostlund  
Barbara M. Pechous  
Jeffrey P. Schroeder  
Tracy M. Sterling  
Janice E. Strand  
Peter H. Velguth

### Landscape Architecture Students:

Timothy B. Andrian  
Neal A. Anderson  
Barbara J.J. Bald  
Pepper P. Tharp

\*\*\*\*\*

POSITION ACCEPTED - Carol Robacker has  
accepted an assistant professor position in  
the Plant & Soil Science Department at  
Texas Tech University in Lubbock, TX.  
Carol will be leaving the end of this year.

\*\*\*\*\*

QUARTER LEAVE - Jane McKinnon will be  
on a quarter leave for fall quarter 1980, to  
work on a special project concerning  
horticultural extension publications for  
amateur gardeners and homeowners. While  
she is gone Leonard Hertz will be Acting  
Horticulture Planning Unit Chairman and  
Chairman for the Horticulture Industries  
Conference Planning committee. If you have  
questions concerning the extension program  
contact Dr. Hertz.

\*\*\*\*\*

LAND FOR RESEARCH - Mike Fox of the  
Washington County Park Planning Office  
(439-3220, ext 187) called with information  
on land that could be set aside for either  
long or short term research. Lake Elmo  
Park, scheduled for 1983 opening, is an area  
of 2,400 acres which is just beginning to be  
developed. If you are interested in using  
some of that land for research contact him  
directly.

\*\*\*\*\*

WEDDING BELLS - Will be ringing tonight  
for Van Cline and Chris Rock.  
Congratulations and best wishes to both of  
you from all of us!

\*\*\*\*\*

# TWIG-BENDER

Vol. 3 - No. 33 - September 5, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Hort. Sci. & Land. Arch.  
Editor: Linda Olson

This Week Sept. 8-14

Jim Ozbun leaves for People's Republic of China for one month. Dave Davis is Acting Department Head in Jim's absence.

Wed: Meeting on Sauer's Sept. visit, 10:00 AM, 398 Alderman.

Welcome to Cheryl Quinlan the new Accounts Specialist at the Arboretum and Hort Research Center. Cheryl, who lives in Chaska, began work on September 3 and will be working with Darleen Ulrich.

Visiting Professorship. A reminder; this department would be in a strong position to receive the benefits of the Hill Visiting Professor Program. The program supports a full-time professor visiting here for one quarter. The person nominated should be a "distinguished individual" who is "likely to have a primary impact" in our area of study. There should be possibilities to participate in graduate or undergraduate teaching for the person. The deadline is October 13. See Linda Olson for more details if you are interested.

Graduate Students The new AID contract with Hassan II in Morocco provides for what are called junior scientist positions who can be pre or postdoctoral students. The positions start September 1981, the role is to "provide peer support to Moroccan faculty engaged in dissertation research, teach classes in second cycle and/or third cycle and provide support to the senior scientists. They will also, and most importantly, provide for linkages and continuity to IDY personnel (short term faculty)." Stipend includes salary, language training, travel for person and dependents, and housing allowance. Students and/or advisors who are interested please advise Linda Olson.

From USDA/SEA/CR Experiment Station  
Letter: J. B. Kendrick, Jr., Director of the California SAES, writes about "The University-Industry Connection" in his editorial in the May 1980 issue of California Agriculture:

"... for the process of research and innovation to be completely successful, it is necessary to translate new knowledge into new products and services. There has to be a linkage between the research-innovators normally found in universities and governmental laboratories, and those in the private sector who take these ideas and develop them into products or services for the consumer. Without this linkage, it is unlikely that the products of agricultural research would find their way to the marketplace in the manner and at a cost expected by the public.

"This cooperative relationship is crucial and needs public understanding and acceptance if we are to continue a successful program of publicly supported agricultural research.

"How do we gain and preserve this understanding and support? For starters, we need to make clear who controls what we do, what influences our decisions to pursue various lines of research, and how we decided to do what we do.

"A university's most priceless asset is its integrity. Our value to society and our public support depend directly on the degree of our independence and openness and the soundness of the information we produce. Nothing must be allowed to tarnish the fundamental principles of a university's search for and extension of knowledge."

University of Minnesota Press has issued a brochure on recent publications of the press. Among them are two of Leon Synder's books, Trees and Shrubs for Northern Gardens and Gardening in the Upper Midwest. The latter is available now in both cloth and paperback editions from the press.

# TWIG-BENDER

Vol 3, No. 34 - September 12, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week - September 15-21

No Meetings Reported

### Coming Up:

Tuesday, September 23: Tour By Dick Sauer, 12 noon

Friday, September 26: Graduate student orientation, 8:15, 310 AlderH

Tuesday, October 7: Staff meeting, 8:15, 394 AlderH

**CONGRATULATIONS:** To Dou Elmacane Walali-Loudiyi who passed his PhD final exam on August 20. He will be returning with his family to Morocco on the 15th or 16th of September.

\*\*\*\*\*

**ORIENTATION:** September 26 from 8:15 to noon is orientation for new graduate students. As last year, Emily Hoover is organizing a schedule for a brief tour of the department which includes stops at faculty offices and labs. Faculty will shortly be receiving more detailed information. For now, reserve the time on your calendar.

\*\*\*\*\*

**DIRECTOR SAUER'S VISIT:** Dick Sauer, Director of the Experiment Station, will spend the afternoon of September 23 touring the department greenhouse & fields. Those directly involved have set a schedule. His visit has been moved up one hour to begin at noon. Please adjust your schedules to the one hour difference. If you have any questions see Dave Davis.

\*\*\*\*\*

**OPEN HOUSE:** Everyone is invited to an open house at Brent Pemberton's on Friday evening, September 26 at 7:30 p.m. Brent will be distributing maps to everyone's p.o. box. Keep the evening clear for socializing.

\*\*\*\*\*

**BOXES, BOXES:** There are too many in the main office. Please see that any packages for you are picked up immediately. Also, St. Paul phone books are available, help yourself.

\*\*\*\*\*

**PROFESSOR ALDERMAN** fell recently & unfortunately broke his hip. He is now recuperating at home: W.H. Alderman, 3538 Avenida Seville, Laguna Hills, CA 92653.

\*\*\*\*\*

**LUCE SCHOLARS:** Last year, for the first time, the U of M received an invitation from the Henry Luce Foundation to participate in the Luce Scholars Program. Through this program 15 young Americans of outstanding promise are sent each year to the Far East for professional apprenticeships under the guidance of leading Asians. The distinguishing feature of the program is that it is directed toward those who are not Asian specialists. The internships & job placements that are arranged for each Scholar are on the basis of individual career interests, experience, training, & general background.

This is a unique opportunity for a young senior, graduate student, graduate, or junior faculty member (participants must be no more than 29 years old). Interested persons who wish to apply should read the "Procedures for Submitting Luce Scholar Nominations" & submit the required documentation to:

Dr. A.J. Linck, International Liaison for the Luce Scholars Program  
213 Morrill Hall

by October 15, 1980. An internal screening committee, chaired by Associate Dean John Wallace of the Graduate School, will review nomination materials & interview finalists prior to the December 1 deadline for submitting 2 institutional nominations to the Henry Luce Foundation. Linda Olson has more material on the program.

\*\*\*\*\*

**GRANTS FOR SHADE TREE RESEARCH:** The International Society of Arboriculture in 1980 awarded 8 \$1000 grants to encourage research on shade trees. Horticulturists, plant pathologists, entomologists, soil specialists, & others, are invited to submit a brief outline of a proposed project for which a grant of \$1000 might assist in purchase of equipment, technical or student help, or other-wise contribute to the research. Number & amounts for 1981 are not yet voted. Direct application of the work proposed to arborists is of prime importance. To receive consideration, proposals, which will be reviewed by each member of the research committee, must be received by December 1, 1980. Linda Olson has further information.

\*\*\*\*\*





# TWIG-BENDER

Vol. 3, No. 35 - September 18, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land arch  
Editor: Linda Olson

## This Week - September 22-28

Tue - Director Sauer tours the greenhouses & field plots - 12 noon to 4:00 p.m.

Fri - New graduate student orientation - 8:15 a.m., 310 AlderH - until noon

Coming Up - Staff Meeting - Tuesday, October 7, 8:15 a.m., 394 AlderH

CONGRATULATIONS to Mark Brenner who has just returned from Chicago where he received an IR-100 award for 1980 from Industrial Research & Development. The award was given to Cys-Tec of New Brighton for their Laboratory Interactive Controller. Mark is named as one of the principal developers of the unit, work which he did in his capacity as consultant to Cys-Tec. One hundred such awards are given annually for major new industrial/research products. Honeywell is the only other Minnesota company to win one of these awards this year.

\*\*\*\*\*

CALS SEMINAR: Hazel Pollard, from the Technical Information Systems of USDA will present a seminar on 9/26/80 at 9:30 a.m., in Room B45 Classroom Office Building. The seminar will explain the Current Awareness Literature Service (CALS) which is available to all USDA scientists & their State cooperators. This includes faculty & staff of land-grant universities who are engaged in agriculturally related research & teaching.

This service is free & consists of a recurring, automated data base search, based on the users interest profile, run against many journals & files.

If you have any questions or wish further information regarding CALS or the seminar, please contact Richard Rohrer at 3-0906 or Phyllis Reict at 3-0903.

\*\*\*\*\*

NEW GRAD STUDENT ORIENTATION takes place on Friday morning. Faculty, person your stations (i.e., offices/labs). Students, avail yourself of the chance to find out who's where doing what.

\*\*\*\*\*

NOTICE has been received from the College that Professor Emeritus Fred Koller died on 9/3/80. He suffered a heart attack at age 73.

\*\*\*\*\*

CONGRATULATIONS to the faculty newly elected to the Consultative Committee for 2 year terms - Mark Brenner, Jane McKinnon, & Harold Wilkins.

\*\*\*\*\*

NSF has sent us notice of a number of funded possibilities for study: 1) Graduate Fellowships [for students who have not completed more than 30 quarter hours post baccalaureate], 2) Minority Graduate Fellowships [same hour restriction & must be in an underrepresented group], 3) Postdoctoral Fellowships [have had a PhD for no more than 5 years], & 4) NATO Postdoctoral Fellowships [same time limit & study plan in NATO country]. See Linda Olson for more details if you are interested.

\*\*\*\*\*

TICKETS - Anyone interested in buying 1 or 2 tickets to the USC/Minnesota football game 9/27/80, see Martha Cooper, room 155.

\*\*\*\*\*

HORTSCIENCE volume needed. Paul Read is missing December 1979 (sec. 1), vol. 14, no. 6 from a set he wishes to have bound. If you have that issue for him please give it to him or Mary Hosier.

\*\*\*\*\*

MYSTERIOUS TRAVELER - Evidence from the Chicago Reader definitely indicates Marvin Gardens is alive, well, & on the road in the windy city!!

\*\*\*\*\*



# TWIG-BENDER

Vol. 3, No. 36 - September 26, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda Olson

This Week - Sept 29 - Oct 5

## FIRST WEEK OF CLASSES

Mon - Quarterly Extension Staff Meeting  
- 8:00-12:00, Earle Brown Center

Monday Night Discussion -  
presentation by Will Healy - 7:00  
p.m. room 274 McNeal Hall  
(Fireplace Room)

Coming Up - Staff Meeting - October 7,  
8:15 a.m., 394 Alderman Hall

ANOTHER REMINDER: Faculty - Don't  
forget to wear your name tags for the first  
week of classes. Start looking for it  
now so you will be able to wear it on  
Monday!!

\*\*\*\*\*

PARTY TIME: Tonight at 7:30 - party at  
Brent Pemberton's house. See Brent for  
more information & maps.

\*\*\*\*\*

FILL IN THE BLANK:

CONGRATULATIONS: To Dick Rideout  
who has accepted a technical position with  
the city of Milwaukee. He will be working  
with their city forester. He begins his work  
there on November 1.

\*\*\*\*\*

FAREWELL: To Jon Helligren who returns  
to Lund, Sweden on Wednesday following a  
year's visit to the cold hardiness lab.

\*\*\*\*\*

REMINDER: Faculty should give names of  
any new graduate student nominees for the  
Philip C. Hamm Memorial Scholarship to  
Paul Read by October 15. See Septemr  
staff meeting minutes for details of award.

\*\*\*\*\*

HILL VISITING PROFESSOR: Nominations  
due by October 13 to the Graduate School.

\*\*\*\*\*

OPENING: "Entomophily" - paintings by  
Pete Ascher, "Allusions" - photographs by  
Angie Klidzejs.

The exhibitions will be held at the North  
Star Gallery of the St. Paul Student Center  
from September 29 through October 24. A  
wine-and-cheese opening reception will be  
held on Sunday, October 5, from 5:00 to  
7:00 a.m. All are invited to attend.

\*\*\*\*\*



# TWIG-BENDER

Vol. 3, No. 37 - October 3, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda Olson

## This Week - October 6-12

- Mon - Monday Night Discussions, 7 pm,  
Fireplace Room (274) McNeal Hall
- Tue - Staff Meeting, 8:15 am, 394 AldH  
Extension Staff Meeting, 10:30 am  
394 AldH
- Wed - Seminar, 4:00 pm, 415 AldH,  
"Recent Observations of Chinese  
Agriculture" by Paul Li

REMINDER: "Entomophily" - paintings by  
Pete Ascher & "Allusions" - photographs by  
Angie Klidzejs are up at the North Star  
Gallery of the St. Paul Student Center and  
will be on view through 10/24. A wine/cheese  
reception will be held on this Sun., Oct. 5th  
from 5:00 to 7:00 pm. Everyone is invited  
to attend.

\*\*\*\*\*

POSITION ANNOUNCEMENT: Just received,  
Assistant Professor, Southern Illinois  
University, Carbondale. Pomologist, 45%  
teaching, 45% research, 10% service direct-  
ed to the tree and small fruit industry.  
Application deadline November 15, 1980 with  
position available January 1, 1981. See  
Ph.D. book for details.

\*\*\*\*\*

LAURA KALISCH began her Leave of Absence  
today, but at press time there was still  
no news of a new baby Kalisch. An announce-  
ment will be clearly and largely posted in  
the main office as soon as we hear.

\*\*\*\*\*

GRADUATE STUDENTS planning to attend the  
reception at Ozbuns on October 12, here are  
directions to their home: travel north on  
Lexington to Co. Rd. F (this intersection  
is just north of 694). Turn right at Co. Rd. F  
which becomes Snail Lake Road. Stay on Snail  
Lake Road around the lake and past the Snail  
Lake Club to Virginia St. Turn right on Vir-  
ginia. Ozbun's is 4310 Virginia.

\*\*\*\*\*

POSITION AVAILABLE St. Paul Campus  
Landscape Maintenance Supervisor, pay  
range \$1376-1768/month, Dept. of General  
Service & Maintenance. This position is  
currently posted in the University  
(Civil Service job #20532) as well as  
being advertised in some professional  
journals. Jane McKinnon is chairing the  
search committee which is assisting  
Morrie Mitteness in finding a suitable  
candidate for the job. Job qualifica-  
tions include a BS in horticulture. The  
position has opportunities for pro-  
fessional growth, campus landscape  
planning, and innovation in the organ-  
ization of landscape maintenance on  
this campus. Interested persons are  
encouraged to apply now (the committee  
wants to finish receiving applica-  
tions October 15). Faculty, if you  
have current or former students you  
think would be interested, please con-  
tact them.

\*\*\*\*\*

SMALL GRANTS PROGRAM This University  
program which supports educational  
development efforts is holding a WORK-  
SHOP on Thurs, Oct. 16, 3:15-4:30 pm,  
Room 30, Architecture. \$40,000 in grants  
will be distributed this fall with the  
deadline for proposals Oct. 31. The  
workshop will explain the program and  
answer questions.

\*\*\*\*\*

CAUTION Remember even Alderman Hall is  
not quite the best of all possible worlds  
in that thefts occur here. Recently  
Bonnie Blanchette had her wallet stolen  
from her office. Please lock doors when  
appropriate, certainly don't tempt  
thieves by leaving valuables easily  
accessible.

\*\*\*\*\*

WANTED: Cindy Lane needs a 2-drawer  
file. Let her know if you have one  
for her.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3, No. 38 - October 10, 1980  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Linda Olson

## THIS WEEK - October 13-19

Mon - Monday Evening Discussions, 7 pm,  
Fireplace Room, presentation by  
Barbara Spinks.

Wed - Potluck for Linda Olson, noon,  
310 AldH

- Seminar, 4 pm, 415 AldH, "17 Years  
of Self Incompatibility" by Pete  
Ascher

Coming Up: College of Agriculture Harvest  
Bowl, November 14-15. Deadline for  
ordering tickets, Fri., Nov. 7

Ongoing: "Allusions" and "Entomophily"  
photography and painting by Angie  
Klidzejs and Pete Ascher, St. Paul  
Student Center.

CALS - Some of your co-horts attended last  
Friday's seminar on CALS, Current Awareness  
Literature Search service, from USDA. What  
it amounts to is a computer search of all  
titles in Bio-Research or Bio-Abstracts  
every time it is updated. You get a list of  
those references, based on key words you  
declare for search, by computer. This ser-  
vice is free to Land Grant scientists.  
Write to: Hazel Pollard, USDA/SEA/TIS, 5th  
Floor, Nat. Ag. Library Bldg., Beltsville,  
MD 20705 or see Dan Goldman (or other atten-  
dees of the seminar) for more information.

GRADUATE STUDENTS planning to attend the  
reception at Ozbun's this Sunday, Oct. 12,  
here are directions to their home: travel  
north on Lexington to Co.Rd. F (this inter-  
section is just north of 694). Turn right  
at Co.Rd. F which becomes Snail Lake Road.  
Stay on Snail Lake Road around the lake and  
past the Snail Lake Club to Virginia St.  
Turn right on Virginia. Ozbun's is 4310  
Virginia.

ARBORETUM PHOTOGRAPHY CONTEST - The 1980  
Arboretum Photography Contest opens Nov.  
15. All amateur photographers are  
eligible, with each entrant limited to a  
maximum of 4 prints. There is an entry  
fee of \$3.00 payable at time of registra-  
tion. DEADLINE for registration is Nov.  
5. Either black and white or color prints  
may be entered. Call the Arboretum for  
an entry blank--443-2460.

LOST - a blue wheelbarrow is missing  
from the greenhouse. Please return to  
Norm Polzin.

CONSOLIDATED FUND DRIVE - Remember to  
return your card to Evonne Kuyper in Alder-  
man Hall or Shirley Fragale at the Arbore-  
tum. The goal set for the St. Paul Campus  
is \$37,800, funding which the United Way  
uses to support about 37,000 agencies or  
groups providing human care services to  
people. Your tax-exempt contribution will  
help us meet that goal. If you cannot  
contribute, mark your card "non-contributor"  
and return to Evonne or Shirley. It will  
help them considerably to have each per-  
son return their card.

AT LONG LAST A KALISCH! The blessed event  
occurred at 12:12 a.m. on Oct. 9, 1980.  
Weighing in at 8 lb. 8 oz, the newest  
Kalisch is named Michael (Mich) Thomas.  
His mom, Laura, reports both she and he  
are doing well and that he is blond and  
beautiful. Congratulations.

GOOD-BYE to me, Linda Olson, the editor.  
The first edition of the Twig came out on  
March 3, 1978. That week it was called  
Weeds and Seeds. It's been called a lot  
of things since then. It's purpose was to  
consolidate announcements, eliminating the  
snowfall of small white sheets seen drifting  
out of mailboxes when real mail is looked  
for, and to provide a central place for in-  
formation relevant to members of the depart-  
ment in St. Paul, Arboretum and Research  
Center, and points farther out. I hope it  
serves its purpose well. It appears each  
Friday only because of a large and talented  
production staff who continue to deal with  
the editor's copy. I'm sure the Twig will  
continue to come out even after I leave  
next week for the at least warmer if not  
sunnier climate of Chicago. I understand  
my leaving has become the excuse for a  
potluck. Commemorative eating is something  
this department excels at. See you  
Wednesday at Noon in 310.

# TWIG-BENDER

Vol. 3, No. 47 - December 12, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & Land.  
Editor: Jim Ozbun (temporary) Arch.

**THIS WEEK:** December 15-21

- Tues - GSC meeting, 8:00 a.m., Rm. 398 AldH  
- Full & Assoc. Prof. meet to discuss promotion and tenure, 1:00 pm  
Room 394 AldH
- Thur - Holiday Skit Party, 2:30 pm, Rm 310
- Fri - Stushnoff Reception, 4:30-7:00 pm  
Cherrywood Room, Student Center

**EDITORIAL:** The time has come for me to bid the department, Minnesota, and many good friends farewell, as I have accepted a new position as Associate Dean & Director of Research at Kansas State University. I will assume my new responsibilities at Kansas State effective March 1, 1981. The decision to leave Minnesota and the department was not an easy one, as Sonja and I have enjoyed very much our association with students, staff, faculty, and industry leaders concerned with horticulture. These past five years have been most rewarding but, professionally, the opportunities at Kansas State provide a new challenge. Our association with the Department of Horticultural Science and Landscape Architecture has been a pleasant experience. We are grateful for the excellent cooperation that we have received throughout our stay in Minnesota and extend our best wishes to everyone. We sincerely hope that there will be frequent opportunities for us to renew our many friendships in the department.

**WELCOME** Joan Darrell will be joining the department effective December 16, 1980, as Administrator. She currently holds the position of Assistant Administrator in the Department of Soil Science. Joan has 6 children and 11 grandchildren! She is a graduate from the University of Minnesota where she majored in English.

**DON'T FORGET THE HORT-LA HOLIDAY PARTY THIS SATURDAY, DECEMBER 13, AT THE ARBORETUM!** Tickets will be sold at the door, so plan to attend. The more the merrier!

**STUSHNOFF RECEPTION** The reception for Cecil & Jeannette Stushnoff will be held Friday, Dec. 19, 4:30-7:00 in the Cherrywood Room. All faculty, staff & grad students are invited. Please RSVP to S. Munson by 12/15.

**HOLIDAY SKIT PARTY** Starts at 2:30 pm on Thurs, Dec. 18th. Please let Angie know if you are planning to present a skit & its approximate length. A 50¢ donation for cookies and punch is requested. Come join us - the skits, the singing & the fun are free!

**NOTICE** As has been the custom in the department for the past several years, let us again share Christmas cards by bringing a card to the department. The cards will be posted for everyone to see & enjoy.

**JOE SOWOKINOS** will be on sabbatical leave for six months beginning Jan. 1. He will be working with Jack Preiss in Biochemistry at the University of California - Davis.

**CONGRATULATIONS** to Carol Robacker who completed her final oral exam on Tuesday. Dr. Robacker has accepted a position as Assistant Professor of Plant Science at Texas Tech University at Lubbock.

**BEST WISHES** to Abderrahmane Hilali & his family who will be returning to Morocco on Saturday. Abderrahmane will complete the research for his thesis in Morocco.

**NOTICE** Faculty should review promotion documents for Dr. Carter & Dr. Koranski prior to faculty meeting on Dec. 16th. These files can be reviewed in Dr. Ozbun's office. Please sign the folder when you have completed your review.

# TWIG-BENDER

Vol. 3, No. 48 - December 18, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & L. A.  
Editor: Joan Darrell

This Week: December 22-26

- Mon. - Prepare for Christmas
- Tues. - Shop for family presents
- Wed. - Holiday -- Office closed
- Thurs - Merry Christmas
- Fri. - Recovery day - Return gift day  
Office closed

Coming up: State Extension Faculty meet-  
ing Monday, December 29. 155  
Earle Brown Center 8:00-10:30.

Trying to Reduce - The IBM in the Campus Library does photo reducing by either 32% or 26% for only 8¢ per copy. You can call 376-9201 or speak to Dan Goldman (I was working there part-time) for more information.

\*\*\*

Position Opening - Frank Pflieger has an opening for a beginning MS student to work on a mycorrhizal project using poinsettia and lily as a plant subject. If you know of an interested person, call 3-0937 or See Dr. Wilkins.

\*\*\*

Missing - Microphone for tape recorder.

\*\*\*

Cost of Living Increase - For Civil Service staff. On January 1, Civil Service and Bargaining Unit employees will receive a 28¢/hr. cost of living increase. The formula - "A \$.01/hr. increase will be given for each full .4 points increase in the Minneapolis-St. Paul Urban Wage Earners and Clericals Consumer Price Index between October 1979 and October 1980 (minus the increase given on July 1, 1980).

\*\*\*

Reminder - Staff meeting (December 19); Associate and full Professors - Promotion and Tenure. Next regular staff meeting January 13.

A Fine Adjustment - Starting Monday, Dr. Ozbun Ok'd a change in schedule for the Hort Shop to: Mon-Thurs 6-4:30. Any problems arising from this new schedule should be brought to the attention of Joan Darrell.

Thanks, Thanks, Thanks - to the Social Committee for the special Arboretum Christmas party Saturday night and to Angie Klidzejs for coordinating the skit party - and to all the talented participants. Dudley Riggs was put to shame!

\*\*\*

Endowed Chair - Thank you very much for the "Endowed Chair". I was completely fooled and thought it was a joke. Sorry about that. I'm usually not so slow to accept a "Chair". I appreciate it very much and the "chair" will have a special place in our hearts and in our new home in Kansas. Sonja and I wish you all a Happy Holiday Season and a prosperous New Year. Jim Ozbun.

\*\*\*

Co-Rec Soccer Players - Runner Bean T-Shirts have arrived. If you'd like to purchase one, see Julie in Room 452. Cost of the shirt is \$6.25. I am also still collecting the \$1.00/player Fall soccer registration fee. Only three people have paid me. Help me start out the new year in the black. . .

\*\*\*

EDP (Educational Development Program) - Funds are available again this year. Proposals for funding are due in the College office some time in February. (More on due date when it is confirmed). There is a brochure in the office should you wish to review the guidelines for proposals.

\*\*\*

Who Put The Projector Away - H. F. W. needs two slides from the skits.

\*\*\*

Being New - is not traumatic in Horticulture and Landscape Architecture. What a great Department! I hope to meet all of you soon. Joan Darrell.



*Merry  
Christmas*

# TWIG-BENDER

Vol. 3, No. 49 - December 29, 1980  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & L.A.  
Editor: Joan Darrell

This Week: December 29-January 2

Wed. - New Year's Eve - Office is open.

Thurs. - Holiday - Happy New Year.

Fri. - Return to real world - Office is open.

Special Staff Meeting - Dean Tammen has asked to meet with the faculty in Horticultural Science and Landscape Architecture for the purpose of selecting a new Department Head. He has asked that the meeting be scheduled for 8:15 on Tuesday, January 6th, in Room 394 Alderman. The meeting will last about one hour.

Congratulations - Ron Nelson completed the final exam for the Master of Science in plant breeding on Friday, December 19th. His address will be: c/o Gregory Lynch, Camelot Farm, P.O. Box A, Malibu, CA 90265.

Thank You and Farewell - We wish to take this opportunity to say farewell to all of our friends in Horticulture in Minnesota, and to express our most sincere thanks for making the last 13-1/2 years a truly meaningful adventure. We will never forget your kindness and friendship. A big thank you for the farewell reception, the lovely gifts and your personal best wishes. Please accept an open invitation to visit us at our new home in Saskatoon. We look forward to continual lifelong friendships. Jeannette and Cecil Stushnoff.

Caution - Please use special care to keep your purses and wallets in safe places or with you at all times. Reports have come in from other departments that money has been taken from unlocked desk drawers, and wallets stolen from purses.

Competitive Research Grants - The USDA/SEA/CR Competitive Research Grants Program has announced continued support of basic research in Plant Science and Human Nutrition. The expected appropriation for 1981 for continuation of the program is \$16 million. Proposals must be postmarked no later than these deadlines:

| Program            | Deadline |
|--------------------|----------|
| Nitrogen Fixation  | Feb. 13  |
| Genetic Mechanisms | Feb. 20  |
| Photosynthesis     | Feb. 27  |
| Biological Stress  | Feb. 27  |
| Human Nutrition    | Feb. 27  |

Should you wish information about the program please contact Dr. L. E. Schrader, Chief, Competitive Research Grant Office (703-235-2628). Should you wish an application packet, contact Mr. G. P. Spory, Chief, Grants Administrative Management Office (703-235-2680), Suite 103, 1300 Wilson Boulevard, Arlington, Virginia 22209.

Locks and Keys - If not already installed, it is to be - a lock on all doors at Gibbs Nelson. Your outside master key will open it!

Experiment Station Progress Reports - Copies of your previous report and blanks for January 1 through December 31, 1980, will be in your mailboxes next week. The Experiment Station deadline necessitates that we have them for typing and signature by January 22. Thanks for your assistance.

Notice to Faculty - On January 1, all requisitions that are more than one year old will be closed. If you have a requisition which is dated before January 1, 1980, and needs to be kept open longer, please see Pat.

# TWIG-BENDER

Vol. 3, No. 50 - January 2, 1981  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & L.A.  
Editor: Joan Darrell

## THIS WEEK: January 5-9,

- Mon - Winter Quarter classes begin  
- Prelim Exam  
- Monday Evening Discussion, presentation by Loren Stephens, 7:00 p.m., Fireplace Room (274) McNeal Hall
- Tue - Special Staff Meeting, 8:15, Room 394 Alderman

**GRADUATE STUDENTS** - The second Prelim exam for the year will be given on Monday, January 5th, 1981. Please pick up the questions from Vicky between 8:00 a.m. and 4:20 p.m. Rooms 394 and 398 have been reserved for writing the exams. If you have any questions about the procedure, please see your advisor or Dr. Ozbun.

**REMINDER OF SPECIAL STAFF MEETING** - Dean Tammen will meet with the faculty in Horticultural Science and Landscape Architecture for the purpose of selecting a new Department Head. The meeting will be Tuesday, January 6th, in Room 394 Alderman, and will last about one hour.

**NEEDED** - The weed control project has a need for 1 and 2 liter disposable plastic soft drink bottles. All donations may be deposited in the box outside Room 249.

**JANUARY 16 DEADLINE** - Application for grants to support international research under Small Grants Research Program of the Office of International Programs. Full-time regular faculty eligible for awards which will likely average \$1,500.

Those of you who have tissue samples, prepared slides, etc. in the micro-techniques lab, Rm. 431a, please claim them or label them with your name and date. All those not labeled by Jan. 10 will be thrown out.

We are looking for a small, narrow table (approx. 1M x 1/2M) for the microtechniques lab. If you have one you would like to donate, please see Pat Holloway or Harold Wilkins.



# TWIG-BENDER

Vol. 3, No. 51 - January 9, 1981  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & L.A.  
Editor: Joan Darrell

## This Week - January 12-16

- Mon - Monday Evening Discussion**, presentation by M. Cheikh, 7:00 pm, Fireplace Room, 274 McNeal Hall.  
**Tue - Staff Meeting**, 8:15 am, 394 Alderman - Grad Faculty Meeting following.  
**Wed - Seminar**, 4:00 pm, 415 Alderman, by Albert "Bud" Markhart.

**Coming Up - Tues., Jan. 20**, special meeting of College Faculty to discuss recruiting & Prospective Student Services, 3:15 pm in 125 Coffey Hall.

**EDP Program Proposals** - Proposal Intent Forms (obtainable from Joan) due in the College Office by Mon., Jan. 26. Proposals will be reviewed by committee and the person submitting proposal before preparing complete application for funding.

**Welcome - Dr. Wilfred H. Erhardt** and his family. Dr. Erhardt, Extension Vegetable Specialist from the Univ. of Maine, will spend a six month sabbatical leave assisting with Extension vegetable work in the department. His office is 160 Alderman.

**Discussions in Administrative Organization: Hort 8041** - Class will meet 8:30-10:00 on selected Tuesdays and Thursdays. First class on Thurs., Jan. 15. A complete schedule will be available at that time.

**Minnesota Vegetable Growers Meeting** - Sat., Jan. 10, 9:00 am - 3:00 pm, at Howard Johnson's Motor Lodge, 8401 Cedar Ave. S. (near the stadium). There is a charge for the lunch.

**Reminder** - A discussion of our possible involvement with China will be included on the agenda for the staff meeting on Tues., the 13th. You may want to review or bring along your copy of the China proposal that you were given in mid-December.

**Any Explanation** - why we should be getting calls from across the nation asking if our Pete Ascher is "the" Pete Ascher? Overheard on the Garrison Keillor show "Birthday congratulations to old man Pete Ascher on his 40th birthday". The musical tribute - Can't Get Around Much Anymore.

**Graduate Faculty Meeting** - to elect Director of Graduate Studies (2 yr. term) on Tues., Jan. 13, following staff meeting. Nominees are: Pete Ascher and Mark Brenner.

**Graduate Student Pictures** - Please see that your grad students are photographed. Each advisor responsible for his students.

Hort 8061 will meet Mondays at 3 pm in Room 398 Alderman.

**Name Contest** - Time is approaching when names will be needed for several new introductions from the department. Thus we thought it appropriate to sponsor a contest to select suitable names. Please submit suggested names for the following to Harold Pellett by Jan. 16th. Contestants submitting the winning names will receive a suitable prize.

1. Hardy Forsythia avata
2. Dark Pink Flowered Azalea
3. Light Pink Flowered Azalea
4. White Flowered Azalea
5. Strawberry
6. Blueberry
7. Blueberry
8. Little Svehla (Litzow) (Boy or Girl)

**If Anyone is Interested** - in joining the American Society for Horticultural Science (ASHS). Mary Stuart has application forms. Membership dues are \$20/yr, for grad students. Grad student members receive both HortScience and the Journal.

**To All Grad Students** - At the behest of Dean Tammen, a committee is being formed to find a new Department Head, and grad student input is requested. This committee will be responsible for writing and publicizing the job description, soliciting nominations and applications, and recommending to the whole faculty and the Dean several capable candidates. This is an excellent opportunity to observe and participate in committee activity, and to make an important contribution to the future of this department. A significant time commitment over the next three to six months (hopefully, not longer) will be necessary. Two nominees will be selected from the grad student body at the regular discussion session Monday night, Jan. 12. The names will be forwarded to the Dean who will appoint one grad student to the search committee. If you are interested in serving on this committee, please attend the Monday night discussion or give your name to Joe Zagorski before that meeting.

**It's Tax Time Again** - For grad students, especially new ones, this can be a confusing ordeal. As you've probably noticed, we've received our letters in record time this year so that forms can be sent in anytime now. If questions are encountered about your tax return, the Graduate Assistant's Office (GAO) offers a tax info handout, and workshops will be held on Feb. 11 and 17 at 2-4 pm and 7-9 pm respectively in 307 Coffman. This office is also the place to go if IRS sees fit to audit your return. Grad students, including myself, will be glad to answer any questions we can. Good luck! Brent



# TWIG-BENDER

Vol. 3, No. 52 - January 16, 1981  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & L.A.  
Editor: Joan Darrell

## This Week - January 19-23

- Mon - Monday Evening Discussion, Pre-Tim Discussion, 7:00 p.m., Fireplace Room, 274 McNeal Hall.
- Tue - Special meeting of College faculty to discuss recruiting and Prospective Student Services, 3:15 p.m., Room 125 Coffey Hall.
- Wed - Seminar, 4:00 p.m., 415 Alderman, "Molecular Biology of Phaseolin: The Major Storage Protein of Beans." presented by Dr. Tim Hall from the University of Wisconsin.

Dr. Tim Hall from the University of Wisconsin will be visiting in the department January 20-22. He is working with leguminous crops with research ranging from the applied to basic. We encourage you to avail yourself of this opportunity to meet and interact with Tim. A sign-up sheet is on the main office counter. (For more details on Tim's research, contact Sharon Desborough).

Congratulations - Richard Veilleux has accepted a position as Assistant Professor at the Virginia Polytechnic Institute at Blacksburg, Virginia. He will be leaving about the first of February. For the present, his address will be Department of Horticulture, Virginia Polytechnic Institute, Blacksburg, VA 24060.

Co-Rec Volleyball is beginning this Sunday. Our department has formed two teams, the "Flowering Spikes" and the "Bouncing Buds." We are practicing this Saturday, January 17th, at 2:00 p.m. in the St. Paul Gym. Please join us even if you don't like our team names, and haven't officially signed up on the roster.

Faculty Members Please check your address listing in the Student-Staff Directory. Vice President Hasselmo's office has requested an updating of the faculty mailing list since this list will be used to mail ballots to eligible faculty in the upcoming collective bargaining election. Should your address be incorrectly listed, please come to the office and fill out a new staff directory card.

Discussions in Potato Research meetings will be each Wednesday at 3:00 p.m. in Room 398.

CoRec Basketball - Hort Department team begins its season next week. Games will be played on Tuesdays or Thursdays in the late afternoon or early evening. If you're interested in playing, contact Julie Hanson.

Best Wishes for a Speedy Recovery to Gail Elnicky who is recovering at home after surgery.

Time is Growing Short - Please get your CRIS reports and AES 5's in for review and typing. Deadline is February 1.

Even Less to Spend in your check this time? Social security deduction increased from 6.13 to 6.65. Let's hope we live long enough to get some return on our investment!

Horticulture Industries Conference Brief - The 1981 HIC dates are March 3, 4, & 5. Dr. Hertz says the program plans are complete and after review he says that "those attending will have the opportunity to participate in another outstanding horticultural conference." Some plans for the conference are - Tuesday morning, an outstanding horticultural management program featuring E. Crosby of the National Food Processors Assn., and R. Lederer of the Association of Nurserymen outlining Changes and Challenges of Management for the '80's. Tuesday Evening, Merle Jensen of the Environmental Research Lab, U of Ariz., will present the Kermit Olson Memorial Lecture on Agriculture of the Future. "If you enjoyed last year's exhibits, they'll be bigger and better this year," Dr. Hertz assures us. Another update on the Conference next week!

Supplies! Supplies! - Please let Virginia Dahm know if you use the last of a supply item or if you anticipate needing a large supply of an item so that we may order in advance and have enough of your item available.

# TWIG-BENDER

Vol. 3, No. 53 - January 23, 1981  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & L.A.  
Editor: Joan Darrell

## THIS WEEK - January 26-30

- Mon - Monday Evening Discussion, presentation by Ann Fennel, 7:00 pm, Fireplace Room, 274 McNeal Hall
- Wed - Seminar, 4:00 pm, 415 AldH, "Physical Planning in the Control Data Small Farms Project in Sherburne Co., presented by Van Cline.
- Fri - Social Committee, Important Meeting in Rm. 398 AldH, 9-10 am.

Mr. Tao Da-li has arrived in the department, and will work in plant hardiness with Drs. John Carter and Paul Li at the Laboratory of Plant Hardiness for the next two years. Mr. Da-li is a visiting scholar from the Institute of Forestry and Pedology Academia Sinica, Shenyang, Liaoning Province.

All people - interested in taking the Plant Nutrition course next Spring, please come to the meeting on Wednesday, January 28th, at 3:00 p.m. in Room 394 Alderman. Topics for individual presentations will be discussed, and textbooks will be ordered.

Graduate Fellowship Applications - should be in to Dr. Luther Waters by February 9. In triplicate, please have: 1) Application for Financial Assistance (Form #GS-70), 2) Complete set of official transcripts (photocopies okay), 3) Three letters of recommendation. Also provide: Assurance of support 2nd and 3rd year, your appraisal of nominee, and any other helpful information.

New Address - for Carol Robacker is 5301 11th St., Apt. 203, Lubbock, TX 79416. Her phone number is 806-795-6088.

Congratulations - to Mr. H. H. Chen who passed his final oral examination for his Ph.D.

Faculty please see Vicky to set up a one-hour conference with Dr. Ozburn for sometime next month.

Project Leaders - Do you know where your CRIS project reports are? Some are in, and we appreciate it. Please help us meet the deadline.

Needed - Names of eminent Plant Scientists to suggest for the Philip C. Hamm Memorial Scholarship Lecture Series. Selection criteria are: Preference given to plant scientist of established reputation who: 1) has an applied orientation, 2) affiliation with university, government, foundation or industry in an active capacity, 3) capable of directing remarks to present as well as future status of subject matter area. In view of the approximately \$1,000 funding available, it would appear that the Lectureship should provide an excellent opportunity to bring a noted plant scientist to campus. Please give suggested name(s) and probable topic to Paul Read by February 10th.

Competitive Research Grants information is available from Joan in the office. Kits are available including format and forms.

Hort Conference All Industries Dinner Tickets - for Tues., March 3, are available from Vicky or Evonne. The tickets are \$8.00 and dinner will be preceded by a wine and cheese reception.

Cake and Ice Cream for Chen and Richard Veilleux on Wed., Jan. 28th, at 3:00 pm in Rm. 310 to celebrate the completion of their degrees. If anyone would like to contribute goodies, please see Emily Hoover or Brent Pemberton by Mon.

Hortus Sportus - Your Horticulture basketball team won its first league game last night 74-46. The Horts effort was nothing short of sensational considering they played the entire game with only 4 men. Leading scorers were Carlos "Stretch" Fear, 21 pts., Mike "Calvin" Burke added 20 and "O" Lindstrom 17. Jim "Wheels" Skuzeski netted 16. The Horts, up 1 at halftime, turned it on in the 2nd half to win going away. Horts can't win with 4 men every time. We need you. Tell Mich if you'd like to play. Come one, come all for game two.

# TWIG-BENDER

Vol. 3, No. 54 - January 30, 1981  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & L.A.  
Editor: Joan Darrell

## THIS WEEK - February 2-6

- Mon - Monday Evening Discussion, presentation by Brent Pemberton, 7:00 p.m., Fireplace Room, 274 McNeal Hall.
- Wed - Seminar, 4:00 p.m., 415 AldH, "Criteria for Drought Tolerance in Some Vegetable Crop Plants" presented by Dr. OK Young Stadelmann.
- Fri - Undergrad Curriculum Meeting at 3:00 p.m., Room 394 AldH.

**GOOD NEWS** - Horticultural Science and L.A. has an Acting Head! Mrs. Jane McKinnon accepted the (onerous) task of directing our multifarious interests. Mrs. McKinnon's first, official announcement for publication was that we would have ice tea breaks instead of coffee each afternoon, and potatoes may be dug to be replaced by flowers and shrubs. She did mention a yellow ribbon on her door. We of the office staff, and I'm sure the entire department, want to assure Mrs. McKinnon that we will assist in any way we can to make her job easier and continue to keep our department the best on the Campus.

**PROGRAM CHAIRMAN** for Extension Horticulture will be Dr. Hertz. Dr. Hertz will assume Mrs. McKinnon's duties.

**KERNIT OLSON LECTURE AND SCHOLARSHIP AWARDS DINNER TICKETS** - Available from Evonne. The dinner will be on Tuesday evening, March 3, and the tickets are \$8.00.

**TEACHING ASSISTANTSHIP AVAILABLE** for Spring Quarter. Dr. Dave Koranski has an opening for a quarter time assistant for the 1016 Greenhouse Management course. Please see Dave for details.

**YEA ANGIE!** - Angie Klidzejs received compliments from the Business Office (a most unusual occurrence) on the superb job she did on a most complicated requisition. The people at the Budget Desk said they were very impressed with the excellence of her work, and this particular document would be used as a model.

**PRELIM QUESTION** will be available from Evonne on Monday, Feb. 2nd, between 8:00 a.m. and 4:20. Rooms 394 and 398 have been reserved for writing the exams. Please see your adviser or Dr. Ozburn if you have procedural questions.

**HORT INDUSTRIES CONFERENCE PREVIEW** - When people talk of Minnesota agriculture they often refer to the production of corn, soybeans, and grain crops. However, Minnesota does have a significant commercial vegetable industry, and nationwide they often rank 1, 2, or 3 for several crops. Consequently, the Conference's Vegetable Program is outstanding. For instance: "What is the Asparagus Outlook for Minnesota?" - "Current Status for Cole Crops" - "Cucumber Variety Development" - "Waste Disposal Systems for Vegetables". When are the Vegetable Programs? Tuesday (March 3) afternoon and Wednesday (March 4) all day. Remember, there are programs for both small vegetable growers as well as the commercial processing growers.

**A CHANGE OF PLACE FOR DARLEEN ULRICH** - Darleen resigned as Asst. Administrator at the Arboretum and will assume the administrative position in Soil Science on February 2.

**WELCOME BACK LARUA KALISCH** - Laura will be back with us three days a week beginning Tuesday, February 3. Vicky will return to Extension, but you'll see her happy face in 305 on Fridays to help close out the week.

**SMALL GRANTS PROGRAM** - Minnesota Chapter, The Nature Conservancy. Deadline for applications is February 27th. The goal of the program is to "encourage research on lands protected by The Nature Conservancy in Minnesota". Please see Joan for details. This is one of the few grant programs which specifically encourages undergraduate and graduate student applications.

**COLLEGE OF AG ALUMNI QUARTERLY LUNCHEON** will be February 9 at 11:45 a.m. in the Belgian Room of the Earle Brown Cont. Ed. Center. Mr. Russell Stansfield, Administrator, Agricultural Research, of Northern States Power Company will be the guest speaker. Cost will be \$5.50 for members and \$6.50 for non-members. Reservation forms can be obtained in 305, and must be returned by Feb. 4.

**HORT 8041** - Meeting next week on Tuesday and Thursday. Director Brown, Ag. Ext. Service, will give Tuesday's talk, and Dean Tammen, College of Agriculture, will talk on Thursday.

# TWIG-BENDER

Vol 3, No. 55 - February 6, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - FEBRUARY 9-13

Mon - Monday Evening Discussion - presentation by Bill Striegel, 7 p.m., Fireplace Room, 274 McNeal Hall

Tue - Staff Meeting - 8:15 a.m., 394 Alderman Hall

Wed - Seminar - 4 p.m., 415 Alderman Hall - "Minnesota's Crop-Pest Management System" presented by Dr. Gerald Miller of the Agronomy Department, University of Minnesota

GASOLINE - Both leaded & unleaded, is now available for U of M vehicles at the Farm & Grounds Maintenance Building of the St. Paul campus. It is self service. Pump hours will be 8:00 a.m. to 12:00 noon & 12:30 p.m. to 4:00 p.m. You must have your budget number. Instructions for operation of the system are posted on the board near the mailboxes in 305.

\*\*\*\*\*

CONGRATULATIONS - Dan Goldman has accepted a position at New Mexico State University. Multi-talented Dan composed a touch of poetry for the Twig:

"Go west, young man" he said to me, So off I go to Tucumcari,  
I'm lookin' forward to the move, you see,  
'Cause an Assistant Professor I am soon to be"

Dan will be doing research at a branch station, & until he has a home address he can be reached at N E Branch Experiment Station, c/o Dept. of Horticulture, NMSU, Las Cruces, NM, 88003, or N E Branch Experiment Station, NMSU, Box 689, Drawer B, Tucumcari, NM 88401. Dan said anyone moving through the area should look him up.

He will be taking his final MS oral exam on Monday, February 9 in 394 at 1:30 p.m.

\*\*\*\*\*

STAFF - who would like to visit with Don Katz, a prospective graduate student from Wisconsin, please see Laura for her schedule sign-up. He will be here February 9.

\*\*\*\*\*

REMINDER - Dr. Ray Sach will be presenting a seminar on Wednesday, February 25. Laura has a listing of his published papers should you care to do some reading prior to his visit & seminar.

\*\*\*\*\*

HEARTS & FLOWERS time is nearing. There will be a Valentine Box in the coffee room next week. If you wish to send a valentine to that someone special (or whatever), deposit them in the box. The box will be opened on Friday, February 13, & the contents distributed.

\*\*\*\*\*

REMINDER - Kermit Olson Lecture & Scholarship Awards dinner tickets are \$8, & can be purchased from Laura or Evonne. The dinner will be Tuesday evening, March 3.

\*\*\*\*\*

COFFEE SYSTEM - will be changing soon. We will change to a coin operated system. The same delicious cup of fresh coffee will cost \$.10, so begin saving your dimes now!! The machine dispenses a 6 ounce cup.

\*\*\*\*\*

STAFF & STUDENTS - Time to spruce up for spring!! Please be a bit more considerate to the greenhouse club of "Mess vs Order". After completing a task, clean up your area (plus a bit more would be great), clean off the cart tops & put them away along with any other equipment you have used. This have been looking rather tacky lately.

\*\*\*\*\*

FAREWELL TO THE CHIEF - Party on February 26 (Thursday). Get your tickets from Evonne ASAP!!

\*\*\*\*\*

MISSING - If you have the Department's Unitex Lettering Set please return it as soon as possible. Thanks from Will Healy.

\*\*\*\*\*

HFW - wishes to hire an undergraduate (freshman or sophomore) lab aid for general greenhouse/data taking duties.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3, No. 56 - February 13, 1981  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & Land. Arch.  
Editor: Joan Darrell

## THIS WEEK - February 16-20

Mon - President's Day - Holiday

Wed - Seminar, 4:00 p.m., 415 AldH,  
"The Present and Future of Maine's  
Vegetable Industry," presented by  
Dr. Wilfred H. Erhardt.

Fri - Pre-Registration for Spring  
Quarter, 1:00-4:00 p.m., 423  
Alderman

SEMINARS - The Spring Quarter seminar schedule is nearing completion. All graduate students who have not contacted Paul Boldt, and wish to present a thesis seminar please do so immediately.

THREE CANDIDATES for the fruit breeding position have been identified by the Search Committee, and will be coming for interviews. They are Amy Lezzoni, Univ. of Wisconsin, who will be here Feb. 23 & 24, Judith Caldwell, Univ. of Arkansas, March 9-11, and Tom Sjulín, Michigan State Univ., who will be here the afternoon of March 16 through the morning of March 18.

NOTICE TO ALL ADVISORS - Pre-registration for Spring Quarter on Friday, Feb. 20, from 1:00-4:00 p.m., in 423 AldH. All advisors, even those with only a few students, should try to spend as much time in Room 423 as possible.

THE OFFICE OF RESEARCH ADMINISTRATION has notified us that they will now charge full overhead on Special Grants as well as Competitive Grants.

FREE TO THE FIRST TAKER - One ticket good for admission to members' preview of "The Vikings" at the Minneapolis Institute of Arts; admission good on Wednesday, Feb. 25, between noon and 10:00 p.m. See Angie if interested.

REMINDER of Dr. Ray Sachs' visit and seminar on Feb. 25. Laura has his list of publications.

## TWO \$1,000 SCHOLARSHIPS

through Bedding Plants, Inc., one for an undergraduate and one for a graduate student (floriculture or related area). See Dr. Harold Wilkins for information and forms. Faculty please announce in your classes.

LABS are in dire need of cleaning up before our influx of guests the next month. Please help us shine!

TEA FOR LOVERS AND THOSE WHO WOULD LIKE TO BE - Valentine's tea today in the Coffee Room at 2:30. Contents of Valentine Box will be distributed.

MONDAY EVENING DISCUSSION scheduled for Feb. 16 will be postponed until Feb. 23. There will be a "double header" with discussion of the Prelim Question as well as Mark Bennett's presentation.

DON'T FORGET - Purchase your Kermit Olson Lecture and Scholarship Award tickets from Laura or Evonne. Tickets are \$8.00 and the dinner will be preceded by a wine and cheese reception.

GRADUATE SCHOOL GRANTS-IN-AID - Applications for funds must be in the Graduate School office by Fri., March 13. Faculty members holding regular appointments are eligible. Please see Joan for information concerning award and form for application.

OH WHERE OH WHERE are the cars and projectors? Please, when you sign a car out, allow enough time for your journey. It's difficult to soothe the people who have it next when more than 15 minutes go by, and bring the keys back promptly so we needn't send a search party. Projectors are AWOL. Use them, but bring them back for the next person. Sign out using the correct number, and get them back promptly for the next person. Those in the office will be grateful and so will your fellow staff member.

DIRECTOR OF GRADUATE STUDIES has a special mailbox. Please use it for anything relating to graduate studies. Do not use Dr. Brenner's mailbox.

MARGARET SMITHBERG will be in the University Hospital on Feb. 18 and will have heart surgery on the 20th. Our sincere best wishes for a speedy recovery.

8041 THIS WEEK - Tuesday, Dr. Ken Lebsack will be here, Thursday, Dr. Dick Sauer.

# TWIG-BENDER

Vol. 3, No. 58 - February 27, 1981  
305 Alderman Hall, St. Paul, MN 55108

Department of Horticultural Science & L.  
Editor: Joan Darrell

## THIS WEEK - March 2-6

MON - Monday Evening Discussion, presentation by Mando Shehata, 7:00 PM, Fireplace Room, 274 McNeal Hall

TUES - Hort Industries Conference

WED - Hort Industries Conference

THURS - Hort Industries Conference

HOPE YOU HAVEN'T FORGOTTEN - The Horticulture Industries Conference is next Tuesday, Wednesday and Thursday. All who read the "Twig" can attend at least a portion of this Conference. The program this year is outstanding and attractive to students and staff alike. The Tuesday morning session on Management has two outstanding speakers, both discussing Horticulture in the 80's. Come and hear Edwin Crosby and Bob Lederer discuss their favorite topic. You just can't miss being impressed with the discussion. For those interested in specific areas, Nursery Production sessions are on Tuesday, Wednesday, and Thursday. In addition, two days of vegetable sessions are planned with a turf session on Wednesday and shade and bedding plant sessions on Thursday. And the best for last - the fruit session Thursday afternoon, "Come and Watch the Apples Grow." None of us should miss the Kermit Olson Lecture presented this year by Merle Jensen. Save Tuesday evening for this event.

TICKETS for the Kermit Olson Lecture and Scholarship Awards dinner are available for \$8.00 from Laura or Evonne. The dinner will be Tuesday, March 3rd at 6:00 PM.

THERE ARE SAMPLES with no names on them in the DTA deep freeze in Room 201. Please remove your samples, and leave space for DTA use.

OUR BEST WISHES to Bonnie Blanchette who is home recovering from surgery.

PROJECT LEADERS WITH MAES PRODUCTS - We need a paragraph or more, should you be so inclined, presenting the highlights of your research for the past year. This is due in the Experiment Station on Monday, March 2.

MAKING EXCELLENT PROGRESS toward recovery after surgery, the good news is that Margaret Smithberg may be able to go home early, as early as next week. Margaret is in Room N521, Boynton Health Service Hospital, University of Minnesota, Minneapolis, MN 55455. Should you plan on a hospital visit, Margaret's husband suggested you call her this weekend prior to visiting.

A NOTE OF CAUTION - The hall doors separating the fourth floor and the L.A. design lab should be locked after 4:30 PM and on weekends. Often the doors are unlocked on weekends, and we invite thefts since this leaves the rest of the building accessible to anyone.

LEST DEPRESSION OVERCOME in these dark days, our reporter, R. Newsleak from Washington, D.C., let us in on the scoop that the 26th USSR Congress has unanimously passed the President's 1982 Federal Budget. Of what should we worry?

TERRY AND RON FERRISS announce the arrival of Kelly Ferriss at 10:00 PM on Thursday. Kelly weighs 7 lbs. 2 oz. and is 20 inches long. Mich is still trying to remember the hospital!

SEARCH COMMITTEE MEMBERS appointed by Dean Tammen to assist in selecting a new Department Head are Dr. Thomas Pearsall of the Department of Rhetoric, Chair, David Wildung, Robert Stucker, Francis DeVos, Paul Read, Emily Hoover, Mark Brenner, Pat Hencir, David Davis, and Peter Olin.

GUIDELINES AND FORMS for two grants, Midwest Appropriate Technology Small Grants Program and the Northwest Area Foundation, are available from Joan. They are requesting proposals in the field of Higher Education.

# TWIG-BENDER

Vol. 3, No. 59 - March 6, 1981  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Joan Darrell

## THIS WEEK - MARCH 9-13

Mon - No Monday Evening Discussion

Tue - Staff Meeting - 8:15 a.m., 394  
Alderman Hall

College Faculty Assembly - 3:15 p.m.,  
AnSci/Vm 125

Wed - Seniors Luncheon - 11:45 a.m., St.  
Paul Student Center, Grainery Room  
C

Seminar - 4:00 p.m., 415 Alderman  
Hall - "The Development of  
Horticulture in Poland", presented by  
Dr. Richard Rudnicki, Research  
Institute of Pomology, Skierniewice,  
Poland

**REMEMBER TO WATCH "Matrix" on Sunday,  
March 22, at noon on KSTP-TV, Channel 5.  
Dr. deVos & the Landscape Arboretum will  
be featured. "Matrix" is the series of  
half-hour programs about the University  
people & ideas hosted by alumnus Peter  
Graves.**

\*\*\*\*\*

**MISSING** - Two boxes of Henrich Seed  
envelopes at 500 per box. Dave Davis has  
been searching high & low.

\*\*\*\*\*

**AND ANOTHER MISSING ITEM** - Does  
anyone know the location of the Mangelsdorf  
germinator? It was once associated with Dr.  
Nylund's project. If you have any  
information about it, please contact Bill  
Striegel.

\*\*\*\*\*

**MORE CONGRATULATIONS TO OUR  
GRADUATING SENIORS** - Nancy J. Esberg,  
James D. Gardner, Robert E. Krause, Mary J.  
Meyer, Gordon E. Peterson, Donald G.  
Rekedal, Lora J. Veidel, Susan Wiegrefe &  
Laura Hanson.

\*\*\*\*\*

**AND STILL MORE CONGRATULATIONS** to  
this year's scholarship winners - Vincent K.  
Bailey Scholarship - Laura Hanson, Deborah  
Coe, Diane Erickson, Mary J. Meyer, Jim  
Bach, Nancy Esberg, Cheryl Engelkes, Dana  
Kolke, William Frost; Thomas M. & Drusilla  
Paist McGill Scholarship - Gerald Rekedal,  
Lora J. Veidel, Susan Wiegrefe, Barbara  
Cross, Douglas Janson, Kirsten Albrecht,  
Tracy Sterling, G. John Larson, Marianne  
Ostlund, Joseph Riehle, Tim Adrian; Garden  
Flower Society - George Radtke, Ann  
Liebenstein; Arthur Hutchins Scholarship -  
Brian Nungesser; Leon Snyder Scholarship -  
Deborah Simons; & Trans-Mississippi Golf  
Association Scholarship - John MacKenzie &  
Karl Ruser.

\*\*\*\*\*

**NEW PHONE NUMBER** for Dave Wildung is  
(218)327-1790. Please change your phone  
list.

\*\*\*\*\*

**PROPOSALS** for the improvement of  
undergraduate experience under the Small  
Grants Program of the all-University  
Council on Liberal Education are due April  
30. Joan has the brochure describing the  
purpose, criteria & procedures.

\*\*\*\*\*

**KEVIN GUEBER** a new graduate student to  
arrive July 15, is looking for an apartment  
and/or a "roommate" to share - close to  
campus. Please see Dr. Wilkins.

\*\*\*\*\*

**FLOWER ARRANGING CONTAINERS** from  
class as distributed by Dr. Wilkins - if you  
have one please return it.

\*\*\*\*\*

**WELCOME** to Sydney B. Stephan who will be  
teaching our Hort 3076 - Arboriculture  
course this spring. Mr. Stephan has his BS in  
Earth Science & his MS in Horticulture from  
the University of Wisconsin. He is currently  
employed by the Davey Tree Expert  
Company.

\*\*\*\*\*

**COLLEGE FACULTY MEETING ON  
TUESDAY** - Dr. Sauer will discuss the  
Agricultural Experiment Station Proposal.

\*\*\*\*\*

**THE HORT INDUSTRIES CONFERENCE** was  
a huge success. Office of Special Programs  
had approximately 850 registrations with the  
count not yet final. There was standing  
room only for many of the programs.

\*\*\*\*\*

**POSITION ANNOUNCEMENTS** for a new  
Professor & Department Head for our  
department will be in the mail to various  
institutions on Monday. Copy of the  
announcement is on the bulletin board by  
the p.o. boxes.





# TWIG-BENDER

Vol. 3, No. 60 - March 13, 1981  
305 Alderman Hall, St. Paul, MN 55108

Dept. of Horticultural Science & L. A.  
Editor: Joan Darrell

## THIS WEEK: March 16-20

Sun-Mon - Berry Growers Short Course, Holiday Inn Roseville, and Earle Brown Center.

Tues - Seminar, 11:00 a.m., Rm. 310 Alderman, "Components of Resistance to *Coccomyces* Leaf Spot in *Prunus* Species", presented by Dr. Thomas Sjulín.

- ST. PATRICK'S DAY FOR THOSE WHO "SPORT" THE GREEN

Thurs - Seminar, 4:00 p.m., Rm. 415 Alderman, "Horticulture in Oregon - Role of the Department of Horticulture", presented by Dr. Conrad "Bud" Weiser.

Programs - for the Berry Growers Short Course are available from the Office of Special Programs.

Position Available - Research Farm Manager. Qualifications: Minimum B.S. degree in Horticulture or related field. Starting Date: As soon as possible. Salary: Negotiable plus normal company fringe benefits. Apply To: Dr. George Emery, Ferry-Morse Seed Company, P.O. Box 66, Columbus, WI 53925. For more information see Luke Waters.

All CAMPUS Mailings - at least 50 items that are either identical or mailed from a reproduced mailing list must now be presorted and banded by building or the mailing will be returned to the sending department.

In Addition To The Above Mail Note - Should you anticipate large mailouts in the near future, do so before March 22. First Class postage increases to 22¢ in order to keep the U.S. Postal Service solvent.

Faculty Members - who are responsible for guest speakers for whom we pay expenses or grant an honorarium, please see Pat or Angie. A memorandum of agreement must be signed before any expenses will be paid to the speaker.

Congratulations - to Athan Economou, passed his M.S. Exam Wednesday, March 11. Stephen Garton, passed his Ph.D. Oral Prelim Friday, March 13. PARTY PARTY to celebrate. Liquid refreshments & munchies provided at Paul Read's home 561 Rolls Rd. - (Map available from Mary in 435 or Evonne). From 8 p.m. to ?

A Meeting Is Scheduled - to organize the summer garden plots on Wednesday, March 18, in Rm. 398 Alderman at 11:00 a.m. All Grad students interested should attend or see Karl Ruser or Emily Hoover.

To Whom Do They Belong - Dr. Harold Wilkins has an order of Begonia seeds from Denmark. Please claim.

Eighth Annual Minnesota Symposium On Plant Biology - will be held March 25-27 at McNeal Hall. The Symposium program is on The Molecular Biology of Plant Proteins - Developmental and Environmental Induction.

Congratulations And Best Wishes - to Pat Holloway and Robert Van Veldhuizen who were married February 23. Pat and Bob will be returning to Alaska when she completes her degree.

The Executive Council - has recently decided to continue the use of the outstate travel report though no longer required by the President's office. "At various levels of the Institute there is interest in knowing what the outcomes are of your travels, including the many involvements..." (?) "and exciting things that are happening to you". The report should highlight the important points of your trip.

National Science Foundation's Five Million Dollar Program - funding research for women has been included in President Reagan's budget cut (recommended). The program's fate will remain unknown until mid-May.

All Campus Student Elections - are scheduled for April 30 and May 1. Last year only 5% of the student body voted in the Spring elections.

U.S. Savings Bond Campaign - during March and April. Interest rates on bonds held to maturity is now 8%, and there is painless payroll deduction. Any questions concerning Savings Bonds will be answered by calling 373-2042.

WHO SAYS FRIDAY

THE 13TH

ISN'T LUCKY?

Don't forget to come and help celebrate with Athan and Steve tonight!



# TWIG-BENDER

Vol 3, No. 61 - March 20, 1981  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Joan Darrell

## THIS WEEK - MARCH 23-27

TUES - In-Department Conference; Earle Brown Center - 1:30- 9:00 p.m.

WED - Seminar - 12:00 noon - Room 413  
- "How Swedish Horticulture Has Survived the Pressures of the 20th Century" - presented by Prof. Karl Wikesjo, Extension Specialist from Sweden.

Wed-Fri- 8th Annual Symposium on Plant Biology - 33 McNeal Hall

REMEMBER to watch "Matrix" on Sunday, March 22nd at noon on KSTP-TV, Channel 5. Dr. deVos & the Arboretum will be featured.

\*\*\*\*\*

GRADUATE STUDENTS planning to attend the ASHS meetings in Atlanta, please let Brent Pemberton or Joan Darrell know. We're investigating some possible transportation alternatives & it would be helpful at this point to have a tentative count.

\*\*\*\*\*

FOUR GRADUATE SCHOOL FELLOWSHIPS have been received for the academic year 1981-82, 1 each in plant breeding & plant physiology, & 2 in horticulture.

\*\*\*\*\*

IN-DEPARTMENT CONFERENCE - Tuesday, March 24, Room 52, Earle Brown Center, 1:30-4:30 - Discussion, 6:15-7:30 - Dinner, 7:30-9:00 p.m. - Discussion. Prof. Karl Wikesjo: "Culture of Miscellaneous Pot Plants in Sweden".

\*\*\*\*\*

NEWS FROM Prof. & Mrs. Alderman in California is that they are well, & thanks to the pin in his hip, Prof. Alderman is able to walk about with minimum aid, & is attempting to circle the entire block!!

\*\*\*\*\*

SUGGESTIONS FROM "INNER SPACE" for the early Spring madness - Clean off your desk, sift & sort the paper files, & secretly return all borrowed books to the owner's P.O. Box. No Questions Asked!!

\*\*\*\*\*

SOMEONE ADMIRER OUR beautifully cared for plant display in the lobby to such an extent that 13 of the plants were stolen sometime Thursday night. Now only a few can enjoy what so many appreciated before!!

\*\*\*\*\*

THOUGH RECOVERING NICELY from her heart surgery, Margaret Smithberg has been hospitalized to stabilize some related problems. Margaret's address is University Hospitals, Station 50, Room 546.

\*\*\*\*\*

TWO GROUPS OF VISITORS will be touring our greenhouse facilities on April 2 & 10, respectively. Mrs. McKinnon wants our guests to be impressed with our neatness as well as our talent. Anything you do to improve the appearance of your area (or others) will be greatly appreciated.

\*\*\*\*\*

NOTICE FROM PARKING SERVICES - Requests for temporary permit parking during seminars, conferences, etc., must be received at least 2 weeks prior to the program's scheduled starting date. Requests must be in writing, & will be handled on a first come, first served basis. Charges will be made to the departmental budgets for each space requested, & will not be refunded for unused spaces.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3, No. 62 - March 27, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - March 30 - April 3

**MON** - Spring Quarter classes begin.

- Monday Evening Discussion -  
Discussion of grade reporting  
for cumulative Prelim, 7:00  
p.m., Fireplace Room, 274  
McNeal Hall.

**WED** - Seminar, "Some Aspects of  
Vegetative and Reproductive  
Growth in Lingonberry", pre-  
sented by Pat Holloway, 4:00  
p.m., 415 Alderman Hall.

- Hallowed Day for All Fools

**THURS** - Floriculture Seminar, Room  
152 Alderman, 8:30-9:30.

Students and others interested in  
attending the ASPP meeting in Quebec  
(June 15-19), please see Dr. Stadelmann  
if you are interested in traveling by  
car. Dr. Stadelmann will coordinate  
automobile travel arrangements.

Congratulations Jack Hartin! Jack's  
first grant writing experience net-  
ted him an award from the Minnesota  
Chapter of The Nature Conservancy.  
The grant will support travel expenses  
for summer research.

Found - Small stone (no gemologist  
available to assess value) in Room  
220 near microscope 11 on March 25.  
See Laura or Evonne.

Ford Foundation Grants to finance  
the writing of non-fiction books that  
offer humanistic perspectives on major  
issues and trends in contemporary soc-  
iety are available. The proposed  
work ". . . should aim to advance the  
understanding of concerned citizens;  
expanding the knowledge of a special-  
ist audience is secondary". Deadline  
for proposals is June 5, 1981.

Grad Students planning to attend the  
ASHS meetings in Atlanta this summer,  
please see Brent Pemberton concerning  
transportation.

Schedule for Floriculture Seminar  
Thursday, Room 152, 8:30-9:30 a.m.  
April 2 - Ms. P. Reich-Library Refer-  
ence Search Made Easy (meet at Lib-  
rary Reference Desk).

April 9 - Paul Boldt - Need Control  
in Greenhouses.

April 16 - Luther Waters - Roots and  
How to Measure Them.

April 23 - John Carter - Selected  
Topics on Membranes.

April 30 - P. D. Ascher - Philosophy  
of Horticultural Philosophy on P<sup>2</sup>.

May 7 - Bud Markhart - Floricultural  
Roots and Problems.

May 14 - E. Hoover and M. Hein - Source/  
Sink by F&M.

May 21 - H. F. Wilkins and Students -  
Let's Review Light.

May 28 - Greenhouse Tour.

June 4 - R. Lyons and B. Pemberton -  
The Involvement of IAA and GAA in  
Floral Development.

Search Committee For Department Head  
is requesting names of possible candi-  
dates for consideration. Please give  
your suggestions to committee members  
as soon as possible.

Someone Request "Specs" from Zephyr?  
Please pick them up from Laura.

New BARD Guidelines - The Agricultural  
Research and Development Fund dealing  
with cooperative projects between the  
United States and Israel has sent amend-  
ments to new Guidelines for Grant Ap-  
plicants and Recipients. Contact Ruth  
Haga at 3-0751 for amendments. Joan  
has proposal information.

Welcome to Kathy Brown who will assume  
the Assistant Administrator position  
at the Arboretum April 1. Kathy comes  
to our group from the Human Resources  
area of the Personnel Department.

# TWIG-BENDER

Vol. 3, No. 62 - April 2, 1981  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Joan Darrell

## THIS WEEK - APRIL 6-10

**MON - Monday Evening Discussion - "Rust Resistance in Sweet Corn" - presented by Bill Randle - 7 p.m., Fireside Room, McNeal Hall**

**WED - Seminar - "The Traditional Chinese Home Garden of Souchow" - presented by Dr. Shu-Xun Yu, Visiting Scholar from the Peking Botanical Garden (Chinese Academy of Science)**

**THUR - Floriculture Seminar - Room 152 AlderH, 8:30-9:30 a.m., "Weed Control in Greenhouses" - presented by Paul Boldt**

**A WARM "WELCOME BACK" to Sam Roh from Korea. Dr. Roh received his PhD in 1974 (Dr. Wilkins, advisor), & will be in our department on a mini-sabbatical.**

\*\*\*\*\*

**WELCOME also to Donna Evans, our new Sr. Secretary in Landscape Architecture. Donna was previously employed as Secretary in the Department of University Relations.**

\*\*\*\*\*

**PROSPERITY IS MEASURED IN INCHES not dollars. According to statistics, during the depression of the 30's, the average man wore a 31" belt. Today, says a belt manufacturer, the average is 34!!**

\*\*\*\*\*

**ANYONE PLANNING TO ATTEND the ASPP meetings in Quebec City, & interested in transportation by van, please contact Richard Johnson. If enough respond, we'll try to get one.**

\*\*\*\*\*

**OOPS - Dave Wildung snapped an achilles tendon during a father/son basketball game, according to our most recent information. A decision was to be made whether surgery or cast would resolve the problem.**

\*\*\*\*\*

**WITH THE ADVENT OF WARM WEATHER - a reminder from the departmental safety committee (& an OSHA regulation), please wear shoes, preferably waterproofed, in the greenhouses & labs. It was brought to our attention that acid had been spilled in a 2nd floor lab, & Temick in the greenhouse. Bare feet can be severely injured!!**

\*\*\*\*\*

**TWO NEW FACES - Working-visitors, Francine Morgan & Patti Dion from the Human Resources Department, will be interviewing staff & faculty in the next few weeks as part of an organizational development program. Their first session was Wednesday, April 1st, a "brown bagger" with the office staff. They will be looking at the data on our staffing, reporting to the Department Head, & making recommendations & suggestions to help us become a more effective unit.**

\*\*\*\*\*

**REMINDER - Please get the names of possible candidates for Department Head to the Search Committee as soon as possible.**

\*\*\*\*\*

**EXTENSION STATE PROGRAM DEVELOPMENT CONFERENCE for the Horticulture program will be held at the Holiday Inn, Roseville from 9:30 a.m. on Monday through 3:30 p.m. on Tuesday.**

\*\*\*\*\*

**PROPERTY ACCOUNTING will be conducting an audit in our department during the next few weeks. Mr. Gary Mann will be searching nooks & crannies in an attempt to identify all the equipment inventoried to us. Please assist him in any way you can to expedite the project.**

\*\*\*\*\*

**SINCERE THANKS from the department to Peter Ascher for his excellent handling of the more than 500 County Agents who toured our greenhouse yesterday as part of the County Extension Committee Day on Campus.**

\*\*\*\*\*

# TWIG-BENDER

Vol. 3, No. 62 - April 10, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - April 13-17

**MON** - Monday Evening Discussion -  
"Fall Bearing Blueberries"  
presented by Carlos Fear -  
7 p.m. Fireside Room, McNeal  
Hall.

**TUES** - Staff Meeting - 8:15 a.m.,  
394 Alderman.

**WED** - Seminar - "Preparing For a  
Professional Role as a Veget-  
able Breeder" presented by  
Dr. Shigeml Honma, Department  
of Horticulture, Michigan  
State University.

**THURS** - Floriculture Seminar - Room  
152 Alderman Hall, 8:30-  
9:30 a.m., "Roots and How to  
Measure Them" presented by  
Luther Waters.

HORTICULTURE CLUB is meeting Wednesday  
April 15. Supper will be at 5:00 p.m.,  
and the meeting starts at 5:30 p.m. A  
pricing and packaging session will be  
held after the meeting for the Spring  
Bulb Sale. The sale will be Thursday  
and Friday, April 16-17 from 9:00 a.m.  
to 4:00 p.m. in Room 110 of the St.  
Paul Student Center. Tulips and  
daffodils will be featured at the sale.

THE CO-REC HORT SOCCER TEAM, The Runner  
Beans, and our softball team, The Hort  
Horrors (Forty Aschers), both won games  
in succession last night. The Runner  
Beans score was 9-0 and The Hort Horrors  
14-4. **TROPHIES AHEAD!** Hort Horrors  
practice will be Monday noon.

TO INTERSPERSE A NOTE OF GLOOM and doom,  
whoever has the collator, please return  
to Virginia Dahm - or else!

AND ALONG THE SAME LINES, PLEASE HELP NORM  
the greenhouse. This is his busiest  
season. 1. Place paper in wastepaper  
baskets or loader. 2. Place plastic pots  
in proper carts. 3. Place clay pots in  
proper carts. 4. Place plant material in  
proper carts. 5. Place soil in proper  
carts. 6. **DO NOT MIX POT, SOIL AND PLANT  
DEBRIS & LEAVE YOUR WORK AREA CLEAN.**  
(Please be considerate of Norm - You  
wouldn't care to clean up after someone  
else)!

INCOMPATIBILITY DISCUSSION at 3:00 p.m.,  
on Wednesday, April 15, in Room 398  
Alderman Hall. Rita H. will discuss  
"Incompatibility in Dogwood". This will  
be our regular meeting time and place.

SUMMER STUDENT JOBS available at the  
Job Corp on the old Bethel Campus.  
Jobs include trimming shrubs, weed  
control and fertilizer control. For  
more information Call Ron Throckmorton  
at 642-1133.

ROOM 223A is in the process of re-  
organization. If you have samples  
stored in the freezer or refrigerator  
please remove, throw out, or see Bud  
Markhart or Chuck Davis. If anyone  
knows who owns the two gas tanks  
located there, please let Bud or Chuck  
know.

CHRYSANTHEMUM SLIDE SHOW - Wednesday,  
April 15, at noon in Room 394, by Dr.  
S. Honma. Dr. Honma will be visiting  
the department Tuesday and Wednesday,  
and the sign-up sheet will be in the  
main office for those who wish to  
visit with him.

PLANT HARDINESS DISCUSSION GROUP will  
meet on Monday, April 13, at 2:00 p.m.  
in Room 398 Alderman. Rita Hummel  
will speak on "Temperature, Daylength,  
Environmental Preconditioning and  
Plant Age Effects on Cold Acclimation  
of Red Osier Dogwood.

SLIDES OF THE PHILIPPINES and dis-  
cussion with Dr. Bob Nylund at a Brown  
Bag Lunch on Monday at noon in Room  
415 Alderman.

SPECIAL SEMINAR - Dr. Anna Burger,  
University of Horticulture, Dept.  
of Ag. Econ., Budapest, Hungary.  
Friday, April 17, at 10:00 a.m.,  
"Economic Planning in Hungarian Agri-  
culture", 230 COB, and at 2:00 p.m.,  
"Hungarian Agricultural Foreign Trade",  
B45 COB. If anyone is interested in  
talking with her, please call Carol  
Hanson at 376-3563 for an appointment.

SOME INTERESTING ATTENDANCE patterns  
at the Wednesday afternoon seminars  
have emerged. Many feel an attendance  
count would be in order. Due to the  
greater ration of grad students to  
faculty (68-21) a weighted score will  
also be reported:

|               | April 7 | April 8 |
|---------------|---------|---------|
| Grad Students | 36-53%  | 31-50%  |
| Faculty       | 6-29%   | 10-45%  |

Grad students, keep up the good work.  
Faculty may you increase and multiply!

# TWIG-BENDER

Vol. 3, No. 63 - April 17, 1981  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Joan Darrell

## THIS WEEK - APRIL 20-24

- SUN - HAPPY EASTER!!
- MON - Monday Evening Discussion - See Peter Ascher
- WED - Seminar - "Potato Protein Fractions In Relation to Nutritional Quality" - presented by George Boody, 4:00 pm., 415 AlderH
- THUR - Floriculture Seminar - Room 152 AlderH - 8:30-9:30 a.m.

PAUL BOLDT'S RECYCLING CENTER has another request - 2 & 3 pound coffee cans with lids & 1 & 2 quart juice cans. They are still accepting 1 & 2 liter plastic pop bottles. If you have any of these items, please bring them to room 249.

\*\*\*\*\*

HORT HORRORS were heavily challenged Thursday evening by a team that had no name. It was a game of extra innings to break the 6-6 tie. Unfortunately it all came to an end when the "no names" broke through a strong Hort defense & scored the winning run. Gallant effort from Julie Hansen, Paul Read & Chuck Davis was just not enough.

\*\*\*\*\*

## LETTER FROM DR. OZBUN TO SHARE -

Dear Friends: Sonja & I are getting settled in our new home & so far all is going well. Terry & Karen spent their spring break with us & seemed to enjoy Manhattan. They both have summer jobs at this point with Terry at a dig in New Mexico & Karen working at a summer youth camp near Manhattan. Let me again thank all of you for the very nice party at the Snail Lake Club. We enjoyed the party very much & appreciate the gifts. As things stand now, we will be attending the Great Plains ASHS meeting on the 19th through the 22nd & a North Central Directors Meeting the following week in St. Paul. We look forward to visiting you at that time. I hope that all is going well in the recruitment for the various vacancies in the department. If there is anything that I might do to assist in any way, please do not hesitate in asking. Thank you very much to the opportunity to work with all of you in the department for the past 5 years. You have an excellent department & everyone should be proud of its achievements. Sincerely yours, J.L. Ozbun, Director of Research

\*\*\*\*\*

TAKE A STUDENT FOR LUNCH (or improvident proof reading). The undersigned will not take advantage of the greater "ration" of grad students at the Wednesday

afternoon seminar mentioned in the last issue of the Twig Bender. They agreed upon it considering their requirement for a stricter diet. MLB, EJS

\*\*\*\*\*

AN AWARD OF \$500 has been granted to Bud Markhart to support his participation in the XII International Botanical Congress to be held in Sydney, Australia, this August. Bud says additional donations are needed & will be gratefully accepted (if you need a new charity).

\*\*\*\*\*

ST. PAUL CAMPUS RETIREMENT LUNCHEON honoring those retiring from positions on the St. Paul campus will be held in the Earle Brown Center on Tuesday, May 12 at 12:00. The cost of the ticket is \$2.25. Please see Laura if you plan to attend. Tickets must be purchased before noon on Wednesday, May 6.

\*\*\*\*\*

SEVERAL MAES PROJECT REVIEW seminars are scheduled during the week. Dr. Stadelmann's project will be reviewed at 1:00 pm. on Tuesday; Dr. Davis' project at 2:30 pm. on Tuesday; Prof. Munson's at 10:00 a.m. on Wednesday; Prof. Cline's proposal at 2:00 pm. on Thursday. All seminars will be in room 398 AlderH, & those interested are encouraged to attend.

\*\*\*\*\*

THE SOLVENT ROOM has become dangerous to enter. Please observe the rules of proper packaging & disposal.

\*\*\*\*\*

CLEANUP DAY is scheduled for Friday, May 1. Details in next week's Twig.

\*\*\*\*\*

STAFF MEMBERS APPOINTED TO ASSIST the Human Resources group in presenting suggestions for improving office efficiency are B. Swanson, D. Brown, P. Ascher, D. Davis, P. Myers-Strangis, J. Darrell & E. Kuyper. Any comments from staff members concerning the Human Resources recommendations can be given to the staff group.

\*\*\*\*\*

DEAR CRABBY: I noticed someone bringing a bicycle into the building today. Isn't this against the rules?

\*\*\*\*\*

# TWIG-BENDER

Vol 3, No. 64 - April 24, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - APRIL 27 - May 1

- Mon - Monday Evening Discussion - "Genetic Control & Variability of Big Pollen Production in Solanum phureja" - presented by Gerry Rau - 7 p.m., Fireside Room, McNeal Hall
- Wed - Seminar - "A Comparison of in vitro Culture & Whole Plant Performance of Four Petunia hybrida Cultivars & Their Inbred Parents" presented by Julie Hanson - 4 p.m., 415 AlderH
- Thurs - Floriculture Seminar - Room 152 AlderH, 8:30-9:30 a.m., "Selected Topics on Membranes" presented by John Carter

WELCOME TO THE NEW HORTICULTURIST in the Svehla family!! Ann Elizabeth was born at 1:30 p.m. on April 23rd at North Memorial Hospital. Ann, who won't discuss her weight, weighs 9 lbs 15 oz & is 21½" in length. Congratulations Margaret & Ron!!

\*\*\*\*\*

TO THE GREMLIN AT WORK making photomicrographs in Room 220 (sometime between 11 p.m. & 6 a.m.) please see the lab staff & they will be glad to show gremlins how to make pictures without spilling films in the camera which contained experimental data from OK Young & Lella.

\*\*\*\*\*

FIRST "TEAM BUILDING" SESSION - Human Resources will meet with the office staff on Thursday, April 30, from 10 a.m. until noon in 22 McNeal Hall. A second (& final) session will be on Thursday, May 7.

\*\*\*\*\*

ALL CAMPUS STUDENT ELECTIONS - General Election, April 30 & May 1. Student leaders are elected to consult with & inform University decision-makers on a variety of matters. Last year only 5% of the student body voted.

\*\*\*\*\*

SEMINAR - Plant Hardiness discussion on "Vacuolated Plant Cells as Ideal Osmeter

Plasmolysis Reversibility & Estimation of Protoplasm Volume", by OK Young Stadelmann, on Monday, April 27, at 2 p.m. in Room 398 AlderH.

\*\*\*\*\*

FOUR GOALS FOR MAY - Solidarity, Stability, Serenity, & Dignity.

\*\*\*\*\*

TO THOSE WHO DO A LOT OF "TRUCKING" THESE DAYS - The lone Standard station in Waseca is closed. You can gas up on the way at Faribault. In addition, we on Luther Water's project would like to share rides & gas to the field plots. I will keep our weekly schedule posted on the door of room 332. It would also help if we would put our destination down when we sign out vehicles. Thanks, Bonnie Blanchette.

\*\*\*\*\*

COLLEGE OF AGRICULTURE SPRING COMMENCEMENT is scheduled for Tuesday, June 9th, at 7 p.m., in Northrup Auditorium.

\*\*\*\*\*

HORTICULTURE & LA STUDENTS formally initiated into the Gamma Sigma Delta Honor Society of Agriculture at the initiation dinner in the North Star Ballroom Thursday evening were: Paul Knuth, Susan Kyib, Charles Levine, Mary Jean Meyer, Stephanie Ottoson, Barbara Pechous, Athalie Rossow, Susan Wiegrefe, Tim Adrian, Neal Anderson, Victoria Brost, Steve Lomicka, Liza Nagle, Shelley Nett, Gregory Ohcis, Paul Olson, Gregory Pates & Jeanne Rostad.

\*\*\*\*\*

SLIDE TRAYS - Please return the office supply of spare trays. Our supply was "O" one day last week.

\*\*\*\*\*

DEAR TWIG: As far as we know, it is not against the rules for bicycles to be in the building, only in classrooms, elevators, or parked in the halls. Our owners have left us in their offices to rest our frames on many rainy nights over a long period of time & no one has complained. Can you blame them for having an aversion to front & rear racing stripes? Will Spoken, Joy Rider, E.Z. Wheeler.

# TWIG-BENDER

Vol. 3, No. 65 - May 1, 1981  
305 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Joan Darrell

## THIS WEEK - MAY 4-8

- MON - Monday Evening Discussion - Cumulative Prelim Exam Question discussion - 7 p.m., Fireside Room, McNeal Hall
- WED - Seminar - "In vitro Propagation of Blueberry" - presented by Kobra Haghighi - 4 p.m. - 415 AlderH
- THUR - Floriculture Seminar - Room 152 AlderH - 8:30-9:30 a.m. - "Floricultural Roots & Problems" - presented by Bud Markhart
- FRI - Consultative Committee Meeting - 2 p.m. - 398 AlderH
- Cleanup Day - 8:30-11:30 AlderH grounds - Potluck Lunch after

BIO-ENERGY SEMINAR - TODAY - 12 noon to 1 p.m., Room 12 BioSci Center "You Need How Many?! - Practice & Potential of Propagating Bio-Energy Crops" - presented by Paul Read & Steve Garton.

\*\*\*\*\*

TRANSPORTATION FOR ASHS MEETINGS - Mary Hosier & Julie Hanson will be coordinating travel plans for the Atlanta meetings. Please give your name to them if you are interested. They will have information on travel methods & costs.

\*\*\*\*\*

NEW INITIATES OF GAMMA SIGMA DELTA not mentioned in last week's list are Kevin Edberg, Nancy Esberg, Laura Hanson & Joseph Riehle.

\*\*\*\*\*

SAD NEWS for friends of Ted Tonkinson came this week. Ted's youngest son Sean, is very ill.

\*\*\*\*\*

ST. PAUL CAMPUS RETIREMENT RECOGNITION LUNCHEON - Tuesday, May 12 at noon in the Earle Brown Center. Tickets are \$2.25 & must be paid for before noon on Wednesday, May 6. See Laura if you wish to purchase a ticket.

\*\*\*\*\*

DEPARTMENTAL GROUNDS BEAUTIFICATION DAY is scheduled for Friday, May 8. Good opportunity to work on a suntan (we hope) as well as keep our best front up. We can use everyone's expertise!!

\*\*\*\*\*

VISITOR IN OUR DEPARTMENT - Prof. Yen Lung-Fee, Director of the Plant Physiology & Plant Biochemistry program at the Peking Agricultural University, Peking, will be

visiting our department May 11-13. He is currently on a year's leave at the University of Massachusetts. Prof. Lung-Fee will meet with the Hardiness Discussion Group on May 11 at 2 p.m. in Room 398. Please join the group if you would like to meet him or see Paul Li to arrange a visit.

\*\*\*\*\*

INFLATION has hit the Hort Key Fund - as of Monday, May 4, the key deposit will be \$5 per key. The deposit is refundable when the key is returned as always.

\*\*\*\*\*

FELLOWSHIP AWARD - Paul Read has been awarded a Fellowship to attend the Royal Dublin Society Summer School on "Energy Management & Agriculture". The school will be held at Trinity College, Dublin, from July 13 to 26.

\*\*\*\*\*

"TEAM BUILDING SESSION" - Human Resources staff people will meet for the 2nd session with our office staff on Thursday, May 7 from 10 to 12. Discussions are centered on effective communication.

\*\*\*\*\*

U OF M HORT CLUB will conduct Hort Therapy Sessions on the 4 Wednesdays of May at the Golden Age Nursing Home. The sessions are scheduled at 6:45, & if you would like to join the group come to the Headhouse at 6:30 Wednesdays. For more information, contact Julie Holets in the Hort Clinic.

\*\*\*\*\*

HORT CLUB NEWS - Hort Club is donating \$500 to the Campus Improvement Fund. Toni Roe will present a slide show on wild flowers at the Hort Club meeting on Wednesday. Dinner will be at 5 p.m. with the show to follow. The meeting will be in 415 AlderH.

Spring Bedding Plant Sale will be May 21 & 22 from 9 a.m. to 4 p.m. in front of the Student Center.

\*\*\*\*\*





# TWIG-BENDER

Vol. 3, No. 65 - May 8, 1981  
95 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Juan Darrell

## THIS WEEK - MAY 11-15

**MON - Monday Evening Discussion - "Small Farm Program at Tuskegee Institute"**  
- presented by Dr. Booker T. Whatley  
- 7 p.m. - Fireside Room, McNeal Hall

2nd Spring Quarter Prelim question -  
8 a.m. - 4 p.m. - 394 AlderH

Plant Hardiness Discussion - 2 p.m. -  
398 AlderH - Speakers - Ann Fennell  
& Barb Smit-Spinks

**TUE - Staff Meeting - 8:15 a.m. - 394 AlderH**

Annual Faculty Meeting - 3 p.m. -  
135 Earle Brown Center

**WED - Seminar - "The Inheritance of Several Proteins in Hybrids of *S. sparsipilum* X Group *Stenotomum*"** - presented by Scott Gatty - 4 p.m. - 415 AlderH

**THU - Floriculture Seminar - 152 AlderH - 8:30-9:30 a.m. - "Souce/Sink by E & M"** - presented by Emily Hoover & Mich Hein

University Senate Meeting - 3:15-5:00 p.m. - 25 Law Building

**OUTING AT THE ZOO** - The Hort Club is having an outing at the new zoo on Sat., May 16. If you would like to join them transportation & a picnic lunch will be provided. Time & place to meet will be posted in the undergraduate lounge along with a sign-up sheet.

**GRAD STUDENTS & FACULTY** - There will be a party after the May 11 Monday Evening Discussion at Dr. Carter's home, 2173 Dudley Ave, St. Paul. Homemade ice cream (made on the spot), beer, soft drinks, & munchies will be available. Donations will be accepted to help defray expenses. Dudley Ave intersects Cleveland right at the St. Paul Gym - look for the blue water

tower. The house is about 3 blocks down on the north side.

\*\*\*\*\*  
**DEDICATION OF THE ST. PAUL CAMPUS LIBRARY** - Fri May 15, at 2 p.m. The University Concert Band will perform on the plaza at 1:30 p.m. Refreshments & tours of the facility will follow the dedication.

\*\*\*\*\*  
**ALL-UNIVERSITY RETIREMENT RECEPTION** - Thur., May 21 at 2 p.m. in the Great Hall of Coffman Union. Arvo Kallio & several other colleagues from the St. Paul campus will be honored.

\*\*\*\*\*  
**REMEMBER** - The Hort Club Bedding Plant Sale will be May 21 & 22. Buy your annuals, perennials, vegetables, & hanging baskets for a more beautiful world with plants!

\*\*\*\*\*  
**NEW FRONTIERS** for Pat Holloway in Alaska. Pat's address is SR-40581, 1 Mile Gilmore Trail, Fairbanks, Alaska 99701.

\*\*\*\*\*  
**RESEARCH ASSISTANTSHIPS IN SASKATCHEWAN** are available in weed control with onions, sand culture for recreational turf, & reproductive & vegetative phenology of Saskatoon berry. See Mrs. McKinnon for information.

\*\*\*\*\*  
**SIGN-UP SHEET FOR DR. WHATLEY'S VISIT** is in Room 305. Dr. Whatley will be visiting the department Tue. & Wed. He has been invited to assist our department in recruiting minority students to participate in our G-POP graduate fellowship program.

\*\*\*\*\*  
**DEBATE** - May 13 at 2:15 p.m. in the Student Center Theater, a debate between 2 U of M Debate Team members on the topic "Should Government Significantly Increase Funding for Agricultural Technological Development". The debate will last 1 hour with a period for questions to follow. The debate is free & sponsored by the Ag Board. Please announce to your undergrad classes.



# TWIG-BENDER

Vol. 3, No. 66 - May 14, 1981  
38 Alderman Hall, St. Paul, MN 55108

Department of Hort Sci & Land Arch  
Editor: Joan Darrell

## THIS WEEK - May 18-22

**MON** - Monday Evening Discussion -  
"Propagation of Hardy Deciduous  
Azaleas in vitro," presented by  
Athanasios Economou - 7 p.m.,  
Fireside Room, McNeal Hall

**TU** - Floriculture Seminar, Room 152  
Alderman Hall, 8:30-9:30 a.m.

Hort Club Bedding Plant Sale -  
9:00-4:00, St. Paul Student  
Center.

**FRI** - Hort Club Bedding Plant Sale

WE HEAR THAT THE FLORICULTURE dis-  
cussion by Emily Hoover on Source/Sink  
Relations was so good that Mich Hein  
is to continue the topic next week.  
(Time and place in THIS WEEK above).

CIVIL SERVICE RULE CHANGES effective  
January 10, 1981, are posted in 305  
Alderman. The changes are not major,  
but should be reviewed. A new Civil  
Service rule book incorporating the  
approved changes will be issued soon.

ASHS TRANSPORTATION - Mary Hofer and  
Julie Hanson are coordinating trans-  
portation. Please let them know of  
your interest in group travel plans.  
They will have information on travel  
methods and costs.

CAMPUS CLEAN-UP DAY - St. Paul All-  
Campus Presidents have organized a  
campus clean-up day on May 19 from  
10:00 a.m. to 2:00 p.m.

BEDDING PLANT SALE - Now is the time  
to start planting your garden, and you  
will have the perfect opportunity to  
purchase your plants at a convenient  
location. Thursday and Friday in  
front of the Student Center there will  
be a fine selection of annuals, and this  
year for the first time, a long list of  
perennials will be available also.

INTERESTED IN RIVER BANKING? - It's  
that time of year - time to get out  
on the river. A canoe outing is in  
the works for Sunday, May 31, on the  
St. Croix river. A pot luck picnic  
will close this first celebration of  
Spring. See the sign-up sheet by the  
Graduate Student mailboxes.

GRADUATE STUDENTS - The Graduate School  
has notified us that as of July 1, 1981,  
all dissertation abstracts must not  
exceed 350 words in length, a change  
from 600 words. Specific guidelines  
are on file with Laura and Mark Brenner

HOLIDAY SCHEDULE FOR THE FISCAL YEAR  
1981-82 - July 3, Independence Day  
holiday, Labor Day, Sept. 7, Thanksgiving  
holiday, Nov. 26 & 27, Christmas holi-  
days, Dec. 24 & 25, New Year's holidays,  
Dec. 31 & Jan. 1, President's Day, Feb.  
15 and Memorial Day next year will be  
celebrated on May 31.

ST. PAUL CAMPUS IMPROVEMENT FUND DRIVE  
will be held the week of May 18-22.  
You will be contacted by one of our  
departmental solicitors, Pam Myers-  
Strangis, Peter Olin, Dave Koranski,  
Leonard Hertz or Laura Kalisch. Fifty  
percent of the funds raised by the  
department may be made available for  
departmental landscape proposals as  
described in The Green Leaf. There  
will be an Ice Cream Social again  
this year. If 65% of the faculty  
and staff donate \$5.00 or more to the  
drive by May 29, you can attend. In  
addition, if you are in a student  
organization donating \$50.00 or more  
or an individual donor of \$48.00 you  
are also eligible to attend. A button  
and a chance to enter a drawing for  
ten plants, shrubs or small trees  
will be given to contributors. The  
drawing will be held at the Ice Cream  
Social on June 4. Our Campus is a  
more beautiful place and will be even more  
remarkable when the landscaping and  
planting is completed.

PLANT HARDINESS DISCUSSION GROUP will  
meet Monday at 2:00 p.m. in 305 Alderman  
Hall. Paul Li will be the speaker.

# TWIG-BENDER

Vol. 3, No. 67 - May 22, 1981  
5 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - MAY 25-29

MON - Holiday!!

TUE - College of Agriculture Spring  
Quarter Faculty Assembly Meeting -  
3:15 p.m., 125 An Sci/VM

Plant Release Committee - 10 a.m.,  
394 AlderH

THUR- Floriculture Seminar - Greenhouse  
Tour - 8:30-9:30 a.m.

PRACTICE SESSION for participants of the  
Plant Physiology meetings will be June 5 in  
room 394 from 1-4 p.m. Practice sessions  
for the ASHS meetings will be scheduled &  
announced later.

\*\*\*\*\*

CONGRATULATIONS are in order for Dr.  
John V. Carter whose promotion from  
Assistant Professor to Associate Professor  
officially approved at the May 8  
meeting of the University Regents.

\*\*\*\*\*

ANOTHER MICHAEL is on the scene! Syd  
& Barb Stephen brought this one into the  
world on May 8. He weighed in at 6 lbs &  
10 oz. Congratulations!!

\*\*\*\*\*

DON'T FORGET to get your reservations in  
for the Hort/LA Picnic - due on Friday May  
29. We'll have buns, burgers, beers, boats,  
brisbees & bolley ball galore!!

\*\*\*\*\*

OUR DEPARTMENT was well represented  
on the Dean's List again for Winter Quarter  
1981 - Congratulations to the following  
students:

Horticulture - Kenneth Beers, Dana Crip-  
perly, Jane E. Dosemagen, Cheryl A.  
Engelkes, Thomas J. Fronk, Brad T. Hanauer,  
Laura A. Hanson, Julie A. Holets, Lori K.  
Johnson, Kelvin P. Kluber, Dana T. Kolke,  
Lissa C. Matheson, Sandra A. McDonald,

!! OVER - OVER - OVER!!

Mary J. Meyer, Brian C. Nungesser, Barbara  
L. Ostfield, Stephanie A. Ottoson, Debra K.  
Proctor, Gerald I. Rededal, Richard T.  
Rodich, Lora J. Veidel, Mary K. Wilbanks &  
Annie L. Wroble.

Landscape Architecture - Deborah L. Bartels  
& Jonay L. Carlen

Pre-Landscape Architecture - Scott R.  
Carpenter & Norain Rejab

\*\*\*\*\*

INJURY & pain was inflicted on Dr. Lauer  
this week when he fell on a seed potato &  
tore some ligaments in his foot. He is still  
working & getting around on a crutch. A  
speedy recovery is in order for the man who  
gives his all to the department.

\*\*\*\*\*

HORT SPORT REPORT - Co-Rec Soccer -  
The Runner Beans moved into the semi-fin-  
als with a narrow shoot-out victory last  
week followed by a convincing 3-0 victory  
over a Medical School team. Stellar  
goal-keeping by Rimple Marsh, stout defense  
by Julie Hanson, Orv Lindstrom & Ann  
Fennell, together with Hassan Elattir's  
game-winning shot highlighted the shoot-out  
win. Emily Hoover, recovering from her  
injury, scored 1 goal & assisted on Jerry  
Rau's goal, with Ahmed Ait Oubahou scoring  
the 3rd. Men's Soccer - Hortus sportus  
remain in the play-off picture by a  
resounding 5-2 victory Tuesday night.  
Relentless attack provided by Redouane  
Choukallah, Ahmed Ait Oubahou & Hassan  
Elattir was supported by strong midfield  
play & passing from Nourreddine Cheikh,  
Mich Hein & Jim Luby. Stingy defense was  
anchored by Rimple Marsh in goal & Orv  
Lindstrom & Paul Read as defenders.  
Softball - Alas, the valliant Forty Ashers  
(Hort Horrors) went down to defeat in the  
play-offs last night, losing 21-8. Brights  
spots included a solo home run by Paul Read  
& excellent defensive plays by Chuck Davis  
& Orv Lindstrom in the outfield. Playing  
short-handed, the Horrors nonetheless gave  
a good account of themselves, & will resume  
play 1st Summer Session.

ROUTING OF PROPOSALS FOR SPONSORED PROJECTS -

Dr. Signe Betsinger, Ag Experiment Station Assistant Director, has sent a supplement to the ORA handbook concerning the routing of projects. Projects should always be signed by one of the directors of the Station before taken to ORA. In addition, Dr. Betsinger is available for assistance in seeking sponsored funding, and has information on funding sources from the private sector as well as the public. To use these materials, call Dr. Betsinger at 3-0758. A diagram of proposal routing is on the Bulletin Board next to the mail boxes in 305 Alderman.

# TWIG-BENDER

Vol. 3, No. 68 - May 29, 1981  
205 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - JUNE 1-5

- MON - Monday Evening Discussion - Dr. Joe Haun from Clemson University will discuss programs at Clemson - 7 p.m. - Fireside Room, McNeal Hall. Also Prelim Question discussion
- WED - Graduating Sr.'s Luncheon
- THURS - Floriculture Seminar - 8:30-9:30 a.m. - Room 152 AlderH
- FRI - Think Summer!! Hort LA Picnic, 6:30 - Phalen Park

HORT CLUB PLANT SALE was a tremendous success according to Dave Koranski. Club members want to thank all those who purchased plants & those who assisted with the work previous to & during the sale. The club members want to congratulate their graduating senior members & will hold an ice cream social on Wednesday at 4 p.m. in the garden to honor their graduates.

OUR SINCERE SYMPATHY to the deVos family in the loss of Martha deVos' father, Mr. J.D. Beam. The funeral was last week in North Carolina. Cheryl Quinlan or Barb Vieter of the Arboretum staff are in charge of memorials.

FLORICULTURE SEMINAR - R. Lyons & B. Pemberton will present the Thursday morning seminar. The topic will be "The Involvement of IAA & GAA in Floral Development".

PLEASE REMEMBER to lock your office doors when you leave even for short periods of time. There were many thefts from offices over the holiday weekend & there are indications that the thieves prowl the buildings systematically looking for open doors.

PLANT HARDINESS DISCUSSION GROUP - Monday at 2 p.m. in 398 AlderH. Speakers will be Charlie Guy & Bud Markhart. The topic will be "HOT New Research".

LUNCHEON FOR GRADUATING SENIORS will be held Wednesday, June 3, Grainery Room C, St. Paul Student Center. Undergrad advisors are encouraged to attend. Please let Evonne know if you plan to attend.

SING-UP SHEET FOR DR. HAUN'S visit is in 305 AlderH. Dr. Haun is a microbiologist from Clemson University & will be in the department June 1 & 3. Dr. Haun has been invited to assist our department in recruitment of minority students.

PICNIC DAY IS FRIDAY - Time to relax before the "final" push. Evonne has guaranteed good weather so be sure to get your reservations (not about the weather) to her today. The good times begin at 4:30 at Phalen Park & the cost for this exceptional event is only \$1.50 adults, & .50¢ kids. Beer, orange drink & charcoal will be provided. Bring a dish to share, meat to grill & table service.

ADMISSIONS DEADLINES - Graduate School admission deadline for IISS is June 15. The deadline for Fall 1981 admission to all undergrad colleges on the St. Paul campus is July 15. Adult specials should be encouraged to apply for admission no later than September 15. Late application could delay your registration & limit your selection of courses.

FULBRIGHT GRANTS for Graduate Student Study Abroad - Information is posted on the grad student board. Campus deadline is

and is awarded to the author who was a graduate student when the research was conducted. Collaborators were Patrick Breen and Harry Mack of Oregon State, and Peter Graham of CIAT.

CONTEST, AWARDS & REWARDS - Angie has acquired an artifact. Check the Bulletin Board in 305. Most Creative idea for use will receive a Grand Prize. Submit your suggestions by July 17 to Angie. Good opportunity to develop your power of perception.

PLEASE REMOVE BOXES FROM 305 THIS WEEK - If you have items to return to Chem Storehouse, and there are many, you must call them to request a return pickup. The driver's will not return the items without an order to do so.

# TWIG-BENDER

Vol. 3, No. 69 - June 5, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - JUNE 8-12

TUE - Faculty Meeting - 8:15 a.m. - 394 AlderH

Commencement Ceremony - 7 p.m.  
Northrup Auditorium - Minneapolis Campus

GOOD-BYE, GOOD LUCK & MANY THANKS to Lori (Stich) Yurczyk. Lori has been our invaluable assistant doing all the office "hard" tasks with promptness & accuracy. We'll miss her charm & warmth!!

\*\*\*\*\*

SPRING COMMENCEMENT TUESDAY EVENING - Congratulations to our graduating seniors: David Dzuik, Julie Holets, Paul Knuth, Ruth McCollough, Joann Mitteness, Rosemary Munsch, Jacqueline Osking, Stephanie Ottoson, Barbara Pechous, Marcia Reeck, Leo Schultz, William Swanson, Emily Westling, Mary Wilbanks, Peggy Grieme (SSI), from Horticulture and from Landscape Architecture - John Dietrich, Nicholas Eloff, Nicholas Gerber, Mark Heister-Kamp, Kevin Keenan, Maleah Murname, John Newell, Gregory Ochis, Kathleen O'Connell, Paul Olson, Robert Wallace, Cynthia Wheeler, James Bach, John Denham, Thomas Henkes, Liza Nagle, Mark Salzman & Michael Sawyer.

\*\*\*\*\*

CONGRATULATIONS to Hassan Ellatir who passed his oral prelim PhD exam. There will be a party on Sunday June 7, at 7:30 p.m. at the Stadelmann's, 1800 W Larpenteur, Apt. 6. Beer, refreshments, eggrolls, etc. Everyone invited!! RSVP

\*\*\*\*\*

REGISTRATION for the Great Plains ASHS meeting deadline in June 15. Extra charge for late registration.

\*\*\*\*\*

!! OVER - OVER - OVER !!

NEW CIVIL SERVICE REPRESENTATIVE for the June 1981-June 1982 term is Cindy Lane. The alternate is Dick Wenkel. Cindy will represent the Department at the all-Campus Civil Service meetings.

\*\*\*\*\*

COFFEE PARTY for Dr. Wilfred Erhardt who will be leaving us shortly is scheduled for Thursday, June 11 at 10 a.m. in 394 AlderH.

\*\*\*\*\*

ST. PAUL CAMPUS HATS for those of you who missed getting one during the fund drive are available, from Mike Dana. Donations for the hat are \$5 & the sale is a fund raising project for beautification.

\*\*\*\*\*

POT LUCK LUNCHEON for Margaret Smithberg who will be leaving the department June 12 will be Wednesday noon in 310 AlderH. See Mary Severson for details.

\*\*\*\*\*

DEPARTMENTAL PICNIC TODAY!! Come to Phalen Park & celebrate the end of classes or anything else that causes celebrating.

\*\*\*\*\*

GRANT AWARD to Dr. Paul Li in support of his seminar with Professor Akira Sakai of Hokkaido University in Japan was announced this week. The seminar will be held in Sapporo, Japan in August.

\*\*\*\*\*

SEARCH COMMITTEE FOR DEPARTMENT HEAD - has identified a slate of candidates & will be inviting the top 3 for interview in the near future.

\*\*\*\*\*

BAILEY CHAIR CANDIDATES will be in the department for interviews soon. Dr. M.J. Bukovac from Michigan State will be here June 30 & July 1, & Dr. W. Hackett from Davis will come July 14-16.

\*\*\*\*\*

# TWIG-BENDER

Vol 3, No. 70 - June 12, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

THIS WEEK - JUNE 15-19

TUES - Summer Session I Classes Begin

**ATTENTION GRAD STUDENTS** - Mark Widrlechner is your representative to the Depts Seminar Committee, & he would appreciate hearing from you. Suggestions for possible speakers for 1981-82 or topics of interest should be jotted down and left in his mailbox.

\*\*\*\*\*

**GREAT PLAINS ASHS MEETINGS** need faculty registrations. Since the meetings are hosted by Minnesota, we must have a better attendance than current registrations seem to indicate. Registration closes (at the \$15 cost) on June 15. See Bert Swanson should you want more information concerning the programs. Remember, all Hort technicians can register at the student rate of \$5. After June 15, the registration cost increases to \$20 for everyone!

\*\*\*\*\*

**NO RADIOACTIVITY IS ALLOWED** in Rm 223a Ald Hall as of June 11 without checking with Bud Markhart or Chuck Davis. Also a major reorganization will begin in that area on June 21. All experimental setups should be relocated by June 19.

\*\*\*\*\*

**HURRAH** for Julie Hanson! Julie passed her Master of Science final exam on Thursday.

\*\*\*\*\*

**THANKS TO THE UNIVERSITY OF MINNESOTA HORTICULTURE CLUB** Dr. Mullin's lovely Horticulture Garden is \$500 richer. And so are we considering the beauty of it that everyone can enjoy.

\*\*\*\*\*

**MISSING** - All issues of Pisum Genetics Newsletter. Please see Dr. Davis if you have information that could help locate them.

\*\*\*\*\*

**NEWS ITEMS FOR THE ANNUAL HORT NEWSLETTER**  
Names of your advisees who have completed their advanced degree programs, date and thesis title, information about grants you have been awarded etc. in addition to suggestions for feature items will be welcome. Please direct those items to Joan L. Darrell. Thank you.

**FACULTY MEMBERS SUMMER SCHEDULES** -

Please give Laura a schedule of your summer plans. She will need to schedule candidate interviews etc. at optimum times for attendance.

\*\*\*\*\*

**FOUND** - Set of car keys for a Chrysler product. The keys will be in Rm 305 Alderman Hall next week. After that time, we will send them to Coffey Hall Lost & Found.

\*\*\*\*\*

**CONGRATULATIONS** - Sharon Desborough and Peter Ascher on writing successful grant proposals! Both Sharon and Peter received notice their Competitive Grant proposals will be funded.

\*\*\*\*\*

**WE ARE LOOKING FOR A MISSING COPY** of Hort Science Vol. 15, Number 2. Anyone with an extra (or ours) please let us know.

Paul Read

\*\*\*\*\*

**CONGRATULATIONS** - Mike White was initiated into the Honor Society of Phi Kappa Phi on Wednesday, June 3.

\*\*\*\*\*

**INFORMATION** concerning Longwood Gardens application period for gardeners training program for the 1982-84 period can be obtained in the office. Longwood Gardens is the former estate of Pierre S. DuPont, industrialist (1870-1954) and the setting for the program. Conservatories cover four acres and there is a public horticultural garden with more than 350 developed acres open every day of the year. Fourteen students will be chosen from the applicants. Applications will be accepted from June 1 through September 30. Preference is given to those people without previous post-high school academic horticultural training.

HOUSING OFFICE IN COFFEY HALL will miss  
Ernsta Olson who retires June 23. She  
has requested no retirement gathering,  
so the Housing office suggests you may  
want to call her at 373-0824 to wish  
her well.



# TWIG-BENDER

Vol. 3, No. 71 - June 19, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - June 22-26

- SUN - Father's Day - First day of summer  
TUES - Field Days, Waseca  
WED - Field Days, Lamberton

REGRETTABLY there are still too many staff members who have forgotten to register for the Great Plains Regional ASHS Meetings scheduled for July 19-22. The Committee has checked the registration roster, and ten faculty are missing from the list. Since Minnesota hosts the Conference, the Committee feels it is essential that we be well represented.

OFFICE HOURS FOR STUDENT FINANCIAL AID - for the summer are 8:30-3:30 Mon-Fri for the reception area (routine questions answered), with counselors available Tues, Wed and Fri, 8:30-12:00 and 12:45-3:30 for processing a GSL application, counseling or scheduling an appointment. This schedule begins June 22 and continues through August 21. Congress has not determined the exact amount of funds or the terms of fund distribution for the 1981-82 academic year, so actual award letters will not be sent to students until late summer. The student Financial Aid Office is at 210 Fraser Hall and 199 Coffey Hall.

POWER WILL BE OUT THIS WEEKEND at the Gibbs Greenhouse (or Northwest Greenhouse) according to Plant Services. Our greenhouse crew has been notified, but if this should present a special problem, please let Doug Gray know.

THE HARDINESS LAB has acquired, by a process of active diffusion, glassware belonging to other laboratories. On Tuesday, June 23, Charlie Guy will return all glassware not belonging to the Hardiness Lab to the rightful owners. Items to be returned include beakers, graduated cylinders and flasks. If you

have glassware with CJW or PHL labels, the lab people would be happy to pick it up from you when they return your glassware.

JUNE 19 - A STAR STUDDED DAY - On this day, a few years back, three horticulturists were born intent on becoming faculty members at the University of Minnesota. Happy Birthday Drs. Widmer, Brenner and Mullin. (The list is not chronological).

STAFF PARTICIPATING IN FIELD DAYS - If you would like a hat from the Minnesota Crop Improvement Association, please see Laura by Tuesday so that she can order one for you.

CARE TO VISIT A PEA HARVEST OPERATION? Please see Dr. Davis if you are interested. The harvest will be continuing for the next few weeks.

NOTE FROM THE BUSINESS OFFICE - We have been admonished for sending in requests for payment of expenditures that are past 90 days. Pat and Angie ask that you please bring your receipts or requests for repayment in every three months at the very least to avoid budgetary problems.

WE ARE STILL SHORT ON CLEANLINESS and consideration according to our greenhouse reporter. Piles of soil and debris are left for others to clean up. This is really the time to "do your own thing", and clean your area when finished with your job.

IT'S BACK TO NORMAL FOR AWHILE for the greenhouse crew. The Spring bind "blew away", and the crew states that the state of emergency is over. Thanks to the efforts of Norm, Ken, Roger, Doug and Tom, all went well this Spring.

TWO MISSING ITEMS - Did anyone take or have a copy of "The Physiological Clock"? If so, please return to Dr. Wilkins. Does anyone have a copy of Margaret Smithberg's thesis? She is missing her copy and thinks she may have loaned it to someone.

(OVER)

**SPECIAL NOTICE** on the bulletin board in the 3rd floor office -- Pam Myers-Strangis is featured in an article of the White Bear Press. We have the article posted so come on in & see what she is up to!!

\*\*\*\*\*

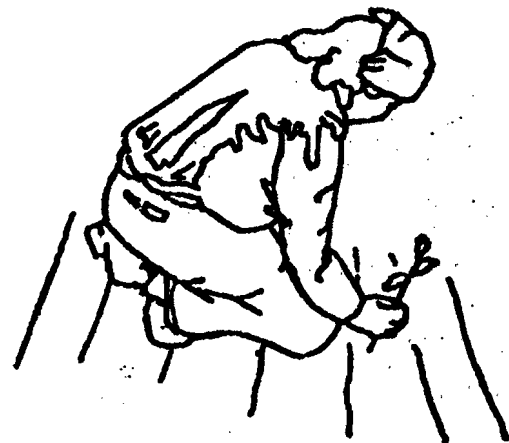
**DR. OZBUN** borrowed some original slides some time ago & a few remain in Mrs. McKinnon's office. If the owners wish to claim them please do so - just stop in & check to see if yours are there. He also called Dr. White this past week & sends his greetings to everyone in the department.

\*\*\*\*\*

**TO LATE CONTRIBUTORS:** anyone with a St. Paul Campus Improvement Fund contribution left to turn in should put the envelope in Mike Dana's mailbox. Also put some identification on your envelope so you will get a button and a chance in the prize drawing.

**DR. J.M. MOLNAR**, Director of the Saanichton Research Station, 8801 East Saanich Road, Sidney, B.C., V8L-1H3, Canada, contacted Dr. Wilkins in order to ask if we had any PhD students wanting to work in woody ornamentals (position is open). In a year or so they will also have positions in tissue culture, pathology & entomology.

\*\*\*\*\*



# TWIG-BENDER

Vol. 3, No. 71 - June 26, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - JUNE 29 - JULY 3

- TUE** - Ice Cream Social for Vicky Weise in 394 AlderH at 2 p.m.
- WED** - Seminar - Dr. M.J. Bukovac - 1:30 p.m. Details to be announced
- FRI** - Happy July 3rd!! This is a holiday. Do not come to work!! Enjoy! Enjoy!!

WITH A HEAVY HEART we will bid Vicky Weise good-bye on June 30. Vicky has accepted a promotion to Principal Secretary in the Department of Agricultural & Applied Economics. This is truly an instance when we can say "their gain is our loss".

\*\*\*\*\*

WE HAVE A DEVELOPING WORLD CLASS RUNNER - According to an eyewitness, John Carter finished the Grandma's Marathon on Saturday, 109th in a field of 4,500 runners. His time - 2 hours & 37 minutes. (Our information sources says this computes to 6 minutes a mile for the 26 mile course.) Congratulations - John!!

\*\*\*\*\*

RECEPTION FOR CANDIDATE for the position of Assistant Dean of International Programs, College of Agriculture - Dr. John H. Grover, will be Tuesday, June 30 at 3:30 p.m. in the Cherrywood Room of the St. Paul Student Center. Three other candidates will have receptions on July 17, 21, & August 11. Each department will have copies of the candidate's resume & interview schedule.

\*\*\*\*\*

MISSING - Photographic lettering set. It has not been signed out as it should be. Please return immediately.

\*\*\*\*\*

RESEARCH FUNDING - Society of American Florists' Endowment Board will be considering 1982 project funding soon. Projects are due August 1. Laura has the brochure & application form.

\*\*\*\*\*

BAILEY CHAIR CANDIDATE - Dr. M.J. Bukovac will be in the department June 30 to July 3. There will be information & a schedule for his visit on Monday.

\*\*\*\*\*

AN HONOR FOR A DEPARTMENT MEMBER - Dr. Francis deVos was awarded the first annual Chicago Horticultural Society Award at the group's annual meeting on Sunday, June 21. The award is granted for outstanding services to the Society. The Society's president stated Dr. deVos' effort were "a prime example of what can be accomplished by a dedicated horticulturist who sets out to create a garden of lasting beauty & utility".

\*\*\*\*\*

HORT HORRORS START SUMMER SEASON ON RIGHT FOOT!! Undaunted by an early deficit, & being short 2 players, the Horrors led by Mich (I just came out of retirement) Hein's pitching, solid defense & clutch hitting, won their first Summer Session game overcoming Entomology Wednesday night. Charlie Guy's first hit of the season plated the winning run (Julie Hanson), enabling the Horrors to pull out a stirring 7-6 victory in the bottom of the 7th inning. NOTE to all aspiring athletes: Hort Horrors need YOU!! We're especially in need of women players, but everyone is welcome. With field work, summer meetings, etc., lots of substitutes will be needed (besides we have fun). Watch for announcements of games & practices or see Paul Read, Mary Hosier or Julie Hanson for more information.

\*\*\*\*\*

EDUCATIONAL TOURING - On July 10 at 1 p.m. meet at the Headhouse. Dr. H.F. Wilkins will be taking a van to Barbeleter Gardens to see Julius Wadekamper's (MS - 1971) lily fields near Elk River, followed by a dash up to Becker (power plant) to see Hermes' newly completed, & old, greenhouse ranges - roses & astroemeria. Estimated time of return - 5 p.m. All who would like to go - please put a note in Dr. Wilkins' p.o. box.

\*\*\*\*\*

October 2, 1981. There are also a few awards for undergrads applying in their senior year. Contact Myrna Smith at the Graduate Fellowship Office (3-2833) for more information.

\*\*\*\*\*

LATEST NEWS ON SALARIES is that we'll have to await the tax bill. So far, we will be paid at our current rates until all of the deliberating on faculty & staff salaries is completed.

\*\*\*\*\*

ONLY 12 DONORS NEEDED to reach our 63% goal for the Campus Improvement Fund. \$5 minimum contribution & we all get ice cream!! See Mike Dana or one of the other departmental solicitors this afternoon.

\*\*\*\*\*



# TWIG-BENDER

Vol. 3 - No. 73 - July 2, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - JULY 6-10

MON - Search Committee Meeting, Department Head - 394 Alderhi - 1:30 p.m.

FARMHOUSE FRATERNITY CONCLAVE - Each department is expected to host an informal open house for the Conclave in August of 1982. Dean Tammen suggested that a faculty member who was a Farmhouse "alum" be asked to coordinate the open house. Members of Farmhouse would like an opportunity to visit the department & see some of the work in progress. Mrs. McKinnon has asked that any former members interested in assisting in our open house let her know.

\*\*\*\*\*

SINCE WE'RE INTO CONGRATULATIONS THESE DAYS - (a quote from John Carter), two of our graduate students also finished Grandma's Marathon at Duluth last weekend. Pete Velguth & Barb Smit-Spinks are running right up with the best of them!!

\*\*\*\*\*

"FOR HE'S A JOLLY GOOD FELLOW" - Dr. Widmer has been elected Fellow by the ASHS. Dr. Widmer has been invited to receive his award at the Awards Dinner at the annual meetings in Atlanta.

\*\*\*\*\*

MEETING NOTES - A reminder that all registration material is due no later than July 7 for the ASHS meetings in Atlanta. The materials must be in Georgia by that date.

\*\*\*\*\*

DON'T FORGET TRAVEL REQUESTS for Atlanta meetings. Many will want an advance, & these documents require more processing time.

\*\*\*\*\*

PARSIMONIOUS PALAVER - Photo Lab charges are less expensive on the larger rolls. A 36 frame roll is 4¢ cheaper than a 20 frame roll for development.

\*\*\*\*\*

HAPPINESS & JOY - Best wishes to Bert & Darleen Swanson. Bert brought Darleen back into the Horticulture fold through marriage on Thursday, June 25.

\*\*\*\*\*

FOR SALE - Super programmable calculator (Texas Instruments SR-52). Magnetic tapes allow permanent storage of your written programs. Full software library included in purchase price. Hard copy printer also available. (T.I. PC 100A). Prices: Calculator - \$200, Printer - \$150. Software free. If interested see Bud Markhart or Chuck Davis.

\*\*\*\*\*

THERE ARE A NUMBER OF SAMPLES in the large drying oven in Room 201 (controlled environment room) that are not named or dated. In an effort to utilize this space more efficiently, samples which are not labeled will be discarded. Please check to see if you have material in the drying oven by July 10.

\*\*\*\*\*

CHANGE IN DEADLINE FOR HAZARDOUS WASTE COLLECTION - Beginning July 1, deadline for call-ins is changed to Wednesdays. Wastes will be picked up Monday through Wednesday of the following week.

\*\*\*\*\*

FROM THE SEMINAR COMMITTEE - Your seminar committee is currently planning your seminar series for the fall, winter & spring quarters of next year. Your comments & suggestions concerning speakers are eagerly sought. This especially applies to visitors you know may be coming through whom we can tap for a seminar. Please pass on any information to any of your seminar committee members - Peter Olin, Ed Stadtmann, Bud Markhart & Mark Widrechner.

\*\*\*\*\*

HORT HORRORS EXTEND WINNING STREAK - Lusty hitting, the best this year, Bill Randle's steady pitching, & all-around tight defense led the Horrors over "A Higher Pinnacle" last night - 13-7. A homerun by Paul Read ignited a 4 run first inning, & the Horrors were never headed after that. Especially notable was the vastly improved hitting by the women members of the team, Pam (Slugger-Sam) Myers-Strangis, Mary (Power Alley) Hosier, Vonnle (I keep 'em Off Balance) Kuyper, Ann (Streak) Fennell & Julie (Steady Eddie) Hanson hitting line shots all night. Golden Glove Award to Chuck Davis for a great over-the-shoulder catch in deep left center, & Julie Hanson for several nifty plays at first base. Timely hitting was also delivered by Randle, Orv Lindstrom, Bud Markhart, Charlie Guy & Karl Ruser. A rousing win for the Horrors!! Next game: Golf Course Field 2, Wednesday, July 8, 7:20 p.m.

\*\*\*\*\*

AWARD PROGRAM FOR EXCELLENCE IN AGRICULTURAL TECHNOLOGY sponsored by R.J. Reynolds Industries, Inc. Cash awards of \$5000. See Joan for information & application. Application due date is August 1.

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IT'S TIME FOR A FIRST ANNUAL HUMOR EDITION OF THE TWIG - Send us your "best" jokes & anything fit to print for our special edition by July 12.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3 - No. 74 - July 10, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - July 13-17

Mon - Seminar - Dr. Wesley P. Hackett, Bailey Chair Candidate, 10:30-11:45 a.m., 415 Alderman Hall.

- Extension Conference - 8:30-3:30 p.m., Earle Brown Center.

WED - Crookston Field Day

THURS - Grand Rapids Field Day

BAILEY CHAIR CANDIDATE, Dr. Wesley J. Hackett, will be visiting in the department July 13 and 14. Dr. Hackett is from the Environmental Horticulture Department, University of California at Davis.

CHARGE, CHARGE - General Service & Maintenance, beginning July 15, will charge \$.25/day for the use of hand tools and watering hose. The signout sheet will be in the Foreman's office and a budget number will be needed to sign out the tools.

LOOKING FOR WORK? Position opening for a student who would like to work 15 to 20 hours a week for Dr. Wilkins crew. Please see Dr. Wilkins or Will Healy.

CHALLENGE MATCH - The Gentlemen's Golf Squad from 321 Alderman (J. Elvecrog, T. Koster, J. Stamp, M. Hein) challenges the Greenhouse Links Chickens (Dave "infinite handicap" Olson, Roger "Bogey" Meissner, Norm "Hack" Polzin, Bill "Divot" Randle) to an 18 hole death match on the U of M big course. How about next Thursday guys?

FORESTRY FIELD DAY at Cloquet Forestry Center on Thursday, July 30. Wagon tours, exhibits of forestry research and teaching, in addition to tree disease and insect clinics are part of the program. Projects displayed will include work from both St. Paul and Cloquet, and will be shown by faculty and personnel from both locations.

NEW FUNDING - Dave Koranski received funding in support of his research from the Joseph H. Hill Memorial Foundation this week.

"THERE IS NO JOY IN MUDVILLE . . ." - Despite much improved hitting, the Hort Horrors suffered their first defeat in three outings Wed. night on Golf Course Field. The score was 12 to 8. Solid play, both offensively and defensively, marked the team's performance, and laid the groundwork for the one or two lucky breaks that could have given victory to the humble eleven. Also luck, and an occasional ump's eye (See John McEnroe), looked the other way at crucial moments. Never fear, next week the team takes to the field again to enjoy and win. All are welcome to come play, cheer and have fun. Next game on July 15 at 7:20, Gold Course #2. Be there early for warmup(?).

STOP, THIEF! - On Thursday (7-9), the rear wheel of Bill Striegel's bicycle was stolen while the bike was in the greenhouse. If anyone witnessed this or saw someone walk out with a rear wheel, please let Bill know. In the future, it may be a good idea to lock your bicycle if you keep it in the greenhouse.

RESIGNATION of Alan Anderson of the College Prospective Student Services will be effective December 31. A search committee will be named this week to nominate a replacement.

CONGRATULATIONS Luke Waters! Luke, as senior author of the paper, Translocation of  $^{14}\text{C}$ -photosynthate, Carbohydrate Content, and Nitrogen Fixation in Phaseolus vulgaris L. during Reproductive Development, was awarded the ASHS Marion W. Meadows Award. The award is to encourage and recognize outstanding research by graduate students in the area of vegetable crops.

- OVER -

CONGRATULATIONS ALSO TO Orv  
Lindstrom & Steve Grier who passed their  
final orals this past week. Good luck to Dr.  
Lindstrom & Dr. Grier.

\*\*\*\*\*

COME TO THE PICNIC AFTER WORK!!  
See the Phalen Park Beach Beauties - a  
fringe benefit of picnic participation.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3 - No. 75 - July 17, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - JULY 19-24

- SUN -** ASHS Great Plains 'Get Acquainted Conference Opening' - 12 noon-8 pm - Margot Picnic Area  
Chicken Dinner - 6 pm - Margot Picnic Area  
Business Meeting I - 7:30-8:30 pm - Snyder Education & Research Building
- MON -** ASHS Great Plains Registration - 7:30-9:30 am - Third Floor Lobby AlderH  
8:30-11:30 am - Graduate Student Papers - 33 McNeal Hall  
10 am & 3 pm - Department & Greenhouse Tours - leave from registration area  
10 am-4 pm - Poster Session - 310 AlderH  
1:15-3 pm - Contributed Papers - 33 McNeal  
10 am-3 pm - Family tours - leave from Horticulture Greenhouse
- TUE -** 7:30 am-5 pm - Floriculture Tour  
7:45 am-6 pm - Nursery Tour  
8 am-6 pm - Vegetable & Fruit Crops Tour  
All tours commence with a driving tour of the U of M Horticulture Plots  
10 am-6 pm - Family Tours - leave from Horticulture Greenhouse
- WED -** 8:15-11:45 am - Environmental Stress Symposium - 33 McNeal Hall  
11:45 am - Graduate Student Paper Awards - 33 McNeal Hall  
11:45 am - Business Meeting II - 33 McNeal Hall

**HOT SUMMER DAYS & TORRID TEMPER** - Faculty & supervisors - when you hire students on the Miscellaneous Payroll, please give all white & yellow referral documents to either Pat or Angie. Student Employment has changed its system for handling student referrals & due to the new procedures, students are not being placed on the payroll as soon as we would like. This has caused some major problems. If you aren't certain about the various forms please check with us. Thanks.

**REVISED TRAVEL REGULATIONS** - A review of the travel costs indicates that meal allowances & mileage reimbursements need to be increased as of 7/1/81. Meal limits are now: Breakfast - Instate \$4, Twin Cities, Duluth, Rochester & Out-of-State \$5; Lunch - \$5 & \$6; Dinner - \$9 & \$13. Mileage rates for personal car is now 20¢/mile. For more information on the new rates check with Pat or Angie.

**ON THE BRIGHT SIDE OF THINGS** - Congratulations are in order to Bob Lyons, he has accepted an assistant professor of horticulture position at Virginia Polytechnic Institute & State University. He will be leaving us sometime in September.

**ON THE NOT-SO-BRIGHT SIDE OF THINGS** - Last week Shirley Munson fell in her home, fractured her tibia, tore some ligaments, and spent some time at the University Hospital. We understand she is recovering at home now with a rather large cast. Hopefully, she is feeling better & will be able to somewhat enjoy (?) the remainder of the summer.

**PLAN OF WORK** - The Extension Plan of Work for 1981-82 was to be turned in to Dr. Hertz Wednesday, July 15. If you haven't turned your section in yet, please do so as soon as possible.

**STUDENT SERVICE CARDS** - Spring 1981 - As part of registration for spring quarter, students are asked to answer questions on a computer card & turn it in at the end of registration. This project gives units an opportunity to survey student attitudes, interests & needs. If you are interested in seeing the preliminary results they are posted in the third floor office on the faculty bulletin board.

**HORT SPORT REPORT** - Horrors go 2 & 2 - In a valiant effort the Hort Horrors lost in extra innings by the score of 13-11. The action packed game was highlighted by improved hitting & solid defense that yielded 2 double plays. Despite a 4 run deficit early in the game the Horrors battled back to hold a 1 run lead going into the 7th. But in the 8th, victory was snatched away by several clean hits by the opposition. The Horrors take to the field again next Wednesday. All are welcome to join the fun.

**ANOTHER CANOE TRIP PLANNED** - The trip down the St. Croix was such a success, we are going to try a run down the Rum River. Join us on August 2, Sunday for a day of canoeing & a pot-luck lunch enroute. Sign-up sheet across from the grad student p.o. boxes and/or contact Cathy Alberty.

**PLEASE RETURN** - If you haven't turned in your gold questionnaire from Communication Resources yet please do so. Thanks.

**LAST CHANCE** to clean up our work space before we have 'house guests' is today!! Please be sure to clean up your areas before the end of the day today. Also if you have packages in the third floor office please come and get them. Thanks.

**ONE MORE LAST CHANCE** - Angie has decided to extend the deadline for her 'what is it' contest to July 24. Don't forget - there is a grant prize - & a real opportunity to check out a genuine artifact!!



# TWIG-BENDER

Vol. 3 - No. 76 - July 24, 1981  
305 Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - JULY 27-31

FRI - Extension Plan of Work for  
1981-82 due in Coffey Hall

### OPEN LETTER TO THE HOME TEAM:

I would like to express my personal & sincere thanks to Bert Swanson & all the committees & helpers he mobilized for the Great Plains ASHS meeting. It was a successful, useful, & enjoyable affair, although I am sure most of you who worked so hard are glad it is past, not ahead. Many of our guests complimented our department, & as always, there are special people responsible. You are appreciated, & we will not put on another committee this week!

Jane McKinnon

\*\*\*\*\*

NEW TELEPHONE BOOKS have arrived & are available to be picked up in the 3rd floor office. Please return your old books when you come for the new. Ask Colleen O'Neill for assistance if you need it.

\*\*\*\*\*

CONGRATULATIONS to Mich Hein who not only passed his oral prelim exam on Wednesday, but fixed his computer! Whew!!

\*\*\*\*\*

GRAD STUDENT RESUMES - If graduate students preparing resumes for the ASHS Atlanta meeting will give Mrs. McKinnon a second copy, she will be better able to answer questions about job candidates.

\*\*\*\*\*

THE UNIVERSITY FOUNDATION - has called to tell us the bequest for the horticulture scholarship that we had expected to be \$25,000 will be considerably more. The donor died in early July, we expect the will to be probated and the scholarship fund should be ready in the spring of 1982.

\*\*\*\*\*

PLAIN ENGLISH - from St. Paul Pioneer Press, July 23: Mr. Steve Piekarec, a word processor operator with the Commerce Department in Washington DC, operates a machine that won't print certain words and phrases. Because it seems like such a good idea, we are considering doing the same for our Wangs. Here is a list of such phrases: I would hope, I would like to express my appreciation, as I am sure you know, as you are aware, as you know, at the present time, best wishes, bottom line, delighted, different than, enclosed herewith, finalize, glad, great majority, happy, hereinafter, hopefully, however, image, input,

institutionalize, interface, it is my intention, maximize, meanwhile, more importantly, needless to say, new initiatives, ongoing, orient, parameter, personally reviewed, prior to, prioritize, serious crisis, share, subject matter, therein, to impact, to optimize, untimely death, very much, viable, I share your concern, contingent upon, effectuated, inappropriate, management regime, mutually beneficial, responsive, specificity, thrust and utilize. NOW, it is my intention to maximize ongoing utilization of the above mentioned words/phrases. I share your concern regarding the loss of these key communication tools, however, I would be delighted to accept your input in this thrust to prioritize the untimely death of this viable, mutually (un)beneficial and otherwise inappropriate subject matter.

Best wishes ...

\*\*\*\*\*

GREAT PLAINS ASHS attendance was reported to be over 100 this year. Bert Swanson thanks everyone that helped make this one of the best sessions in recent years. Winners of the Graduate Student Paper Presentations were: 1st prize - Karen Kruse from the University of Missouri, 2nd prize - Mary Hunsperger from Michigan State University, and 3rd prize went to Mamie Shehata from our own department. Congratulations!

\*\*\*\*\*

WEDDING BELLS rang on Tuesday, July 21 for Martha Cooper and Roy Piechowski. Congratulations!!

\*\*\*\*\*

AND MANY, MANY MORE - Fredrick and Mary Severson were blessed with a healthy baby girl (Karen) on Friday, July 17. She weighed 7 lbs even and was 21" long. Happy Baby!!

\*\*\*\*\*

HORT SPORT REPORT - In the final game of the regular season the Hort Horrors came out 1 run victors in an action packed 27 run game. After an initial burst of scoring the Horrors watched a commanding lead dwindle to a 1 run deficit leading to their last chance in the top of the 7th. Reaching deep & drawing on 2 seasons of experience & raw courage the team rallied to score 3 runs & then held the Dateless Wonders to 2 to pull out the well deserved victory. Pam Myers-Strangis had the honor of making the last out single handedly. Final outcome of this season: Hort Horrors 3 wins, 2 losses & they out scored their opponents 52 to 51.

Playoffs start soon - new members are still welcome to join the fun & excitement.

\*\*\*\*\*

# TWIG-BENDER

Vol. 3 - No. 77 - July 31, 1981  
Alderman Hall, St. Paul, MN 55108

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

## THIS WEEK - August 3-7

**UES - Minnesota Nurserymen's Meeting -**  
Arboretum, 9:30-3:00.

**OM - Faculty Meeting, 8:15 a.m.,**  
394 Alderman Hall.

**COMMENTS ON BAILEY CHAIR CANDIDATES -**  
Thanks to those of you who have already  
responded to our request for comments,  
and the committee will welcome responses  
from others concerning your evaluation  
of the candidates who have been inter-  
viewed.

**LAST CALL!** Travel requests must be in  
for those attending the Atlanta ASHS  
Conference. If you are requesting an  
advance, and have not completed your  
travel request, see Angie as soon as  
possible. At this late date, you must  
walk your request through to the Busi-  
ness Office in order to get an advance.

**HAYRIDES; BARBEQUE CHICKEN, SWEET CORN**  
**ETC.,** not to mention bingo, volleyball,  
horseshoes, and hiking are all on the  
schedule for the "Rosemount Picnic"  
on August 12 this year. A great opportu-  
nity to observe firsthand some of the  
programs at the Station!

Hayride tours will begin at 4:00 p.m.  
with dinner served about 5:30. There  
will be a charge of \$2.50 to help cover  
costs. Please send reservations and  
money to Ruth Haga, Agricultural Exper-  
iment Station Office, before August 7.

**SOFTBALL ENTHUSIASTS -** The Beer Batters,  
a CoRec softball team from the Minneapolis  
Campus, would like to challenge us to a  
SUN game next Thursday evening, August 6.  
If you're interested in playing, sign up  
by Monday on the sheet by the Grad Student  
mail boxes, and if enough players are avail-  
able, I'll arrange for a time and place.  
Julie Hanson

**SEMINAR NEWS -** Any student or Faculty  
member presenting a seminar this Fall  
Quarter, please get in touch with  
Bud Markhart before August 5 to sched-  
ule a date.

**OUR OWN ROYAL WEDDING RECEPTION -**  
Wednesday, at 2:00 p.m. in Room 394,  
we will have an informal reception  
for Darlene and Bert Swanson. Every-  
one is invited to greet and give ad-  
vice to our newly married guests.

**BUSY MARK BRENNER** will be even busier.  
Mark has been elected Secretary-  
Treasurer of the Midwest section of  
the American Society of Plant Physio-  
logists. It will be a two year term  
of office. Congratulations on this  
new honor, Mark!

**A NOTE FROM MRS. HACKETT -** "Dean Jane  
and Everyone who made my visit so  
special, I wish to thank each of you  
for the many kind and thoughtful  
things you did for me. The delicious  
picnic you planned was a perfect way  
to meet people, and your lunches were  
wonderful. It was so helpful to be  
taken through Minneapolis and St.  
Paul so I could get a feeling of the  
area. We returned home thinking  
Minnesota's people are her jewel!  
Thank you for everything. Grate-  
fully, Ida Hackett."

**NO NEWS FROM THE HORT HORRORS THIS**  
**WEEK?** The staff of the Twig has  
attempted to lift chins off the floor  
in an effort to find out the score  
of the last game. Why can we only  
get the good news? Is there a player's  
strike? Anyone knowing the results  
of that last game please see our  
Sports Editor.

- OVER -

**COLLEGE OF AGRICULTURE COM-  
MENCEMENT** - Ceremony honoring  
graduating seniors will be at Northrup  
Auditorium on Tue. June 9 at 7 pm.

\*\*\*\*\*

**DEAR CRABBY:** Everyone complains about  
the poor housekeeping in the building, but  
the person(s) who left a trail of vermiculite  
in the 2nd floor hall contributed to the  
problem this week. Sincerely yours, Down  
Trodden.

\*\*\*\*\*



**TRAVEL REMINDER** - Permission for all  
out-of-state travel (in excess of 100 miles  
from MN borders) **MUST** be requested on a  
Travel Authorization form prior to the trip.  
If an advance is requested (for either  
in-state or out-of-state), please allow a  
minimum of two weeks for proper routing of  
documents. Even if no funds are requested  
it's to your advantage to file a Travel  
Authorization form for insurance purposes  
regarding University related travel. Upon  
returning to the Twin Cities, you must be  
sure to file a Travel Expense Voucher to  
account for expenses claimed. This is  
necessary as long as funds have been  
encumbered on the original Travel  
Authorization whether an advance was  
requested or not. If an advance wasn't  
requested you may be reimbursed for  
expenses after returning from your trip. Be  
sure to keep your receipts - the Business  
Office doesn't require them for meals or  
milage, but they are necessary for  
everything else (lodging, registration fees,  
etc.) If you have questions concerning  
travel, please see Angie.

\*\*\*\*\*

BARGAIN - FLASH!! - Prior to May 4, Ozark Airlines has a round trip plane ticket to Atlanta, GA, for \$194. This is \$40 cheaper than any other airline checked (as well as any group rate). You must book on "Q" class & only 20 to 30 seats per flight are available. So buy your tickets by Sunday night!! For more information see Joan or Brent.

\*\*\*\*\*

DR. BOOKER T. WHATLEY will be visiting the department May 11-14. He will arrive in mid-afternoon of May 11, make a presentation at the Monday night graduate student meeting, & be in the department Tuesday & Wednesday (May 12 & 13). He departs in the morning of Thursday, May 14. A sign-up sheet for time to visit with Dr. Whatley will be in the third floor office. Please help to make Dr. Whatley's visit a success.

\*\*\*\*\*

DIRTY DARKROOM - On Cleanup Day, the horticulture darkroom will also be tidied. Old bottles, etc. will be discarded. If you want anything saved, please mark it. Thanks.

\*\*\*\*\*

HORT SPORT REPORT - Our own Hort Horrors (40 Aschers) struggled valiantly but succumbed to the Bats of Jan Ander's Second Clan. Final score was 18-11. However, numerous fine plays were turned in by the Horrors.

DON'T FORGET - Soccer practice tomorrow, Saturday 11 a.m. at the St. Paul field.

\*\*\*\*\*