GOPHER PEAVEY

1983
In the last three years the Gopher Peavey has been focusing its direction into becoming a genuinely student-oriented publication. And it is in this vein that we dedicate the 1983 Gopher Peavey to a truly student-oriented professor — Alvin A. Alm. Dr. Alm (or Al) keeps himself busy by teaching three silviculture-related classes, advising graduate students, doing research on containerized seedlings, keeping up with the Christmas tree industry, and more recently, applying his interests towards forest herbicides.

What makes Al Alm so special is his willingness to take time to converse with students with sincere interest and concern, despite his heavy teaching and research responsibilities. He has that rare ability to make others feel comfortable to approach him, and his respected advice is often sought by students on questions of silviculture and career decisions.

Besides teaching the most popular course at the college, Silviculture 5100, Al also started up a Senior Silviculture Seminar course this year. In his classes and outside of them Al has shown a real concern not only in students themselves but also in our ability to communicate effectively in the "technology transfer" as future professionals. It is in his constant challenges of our forestry-related thinking and decisions that he tests our skills both as foresters and communicators. As he has overcome his obstacles in speaking he has also challenged us to overcome our obstacles — and it is this that endears him to us. This dedication is for you Dr. Alm, but it is only a small thing in comparison to what you've given us.
Above: Don Mueller and Tom Szabla take their turn at cutting a "cookie."

Front Cover: Bill Roth and Bill Roesch give the two-person bucksaw a workout at the 31st Annual Midwestern Foresters Conclave.
College of Forestry
Richard A. Skok

The University’s fiscal stresses reported in last year’s *Gopher Peavey* have continued to intensify as the College faces a further nine percent reduction in its instructional program budget. We have submitted a proposed plan to the vice president for Academic Affairs on how such a reduction might be accomplished. At this writing we still await his response.

The proposal to move the fisheries and wildlife programs to the College of Forestry on July 1, 1983, will be heard by the Board of Regents in May. Assuming the Regents approval, a Department of Fisheries and Wildlife will be established in the College of Forestry. The nine faculty positions currently in these programs in the College of Agriculture will transfer to this new department. Fisheries and wildlife has about 100 undergraduates and 25 graduate students. Closer working relationships should develop between faculty and students from these programs and those presently in the College of Forestry. I look forward to some beneficial integration of course offerings and to new multi-disciplinary research approaches resulting from this reorganization. Next year’s *Peavey* should record the involvement of fisheries and wildlife students in the College’s activities.

Several new faculty additions during the past year resulted from new state research funds, new federal extension funding, one faculty retirement, and one resignation. In June, Mel Baughman joined us from Penn State as an assistant professor and program leader for renewable resources extension. In August, Jim Perry arrived to fill an assistant professor opening in forest hydrology with the emphasis on water quality. Jim most recently worked for the state of Idaho. In January, we had two new faculty arrivals. Bob Dixon came to the Department of Forest Resources as an assistant professor in silviculture/physiology. Bob had been on a post-doctoral research assignment at the University of Missouri. Elmer Schmidt filled an assistant professorship in Forest Products at about the same time. Elmer’s work is in the field of wood microbiology and he had previously been on a temporary appointment in the Department of Plant Pathology. We are extremely pleased with the high quality and enthusiasm each of these individuals brings to the programs of the College.

During the past year we lost Tom Lillesand, professor and director of the Remote Sensing Laboratory, to the University of Wisconsin-Madison. We are continuing our search for a replacement. In the interim Merle Meyer has again resumed the directorship on an acting basis providing his usual fine leadership.

The College was invited to join the consortium of eight other forestry schools called Universities for
International Forestry (UNIFOR). We will now be a member along with North Carolina State, University of Washington, University of Michigan, ESF-Suny, VPI, Arizona, Idaho, and Colorado State. This will provide a broadened opportunity for our involvement in international forestry programs as an institution. Most forestry schools do not have sufficient resources to carry out individually the types of programs now funded by USAID, development banks, FAO, or others without somehow sharing the load. This organization provides that vehicle as well as offers access for new dimensions in international programming not previously open to us.

A number of students and alumni have had the chance to work with Marsha Samways, assistant to the dean, in my office over the past six years. She brought an exceptional competence and dedication to this vital post as well as a pleasantness in the conduct of her duties that will be sorely missed when she resigns this June. The College is a better place because of her many contributions. We wish her well as she leaves for new endeavors.

You may find of interest the following information we gathered as part of our program reduction planning effort.

Clearly our undergraduate student decline has been substantial over the past decade. However, the Forest Products curriculum has shown a healthy growth in student numbers.

The greater job orientation of today's students is an important factor in the changes these enrollment figures trace.

College of Forestry Enrollment Fall Quarter

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*Implemented in fall 1983.
AN EVENTFUL ITASCA FORESTRY SESSION

by Dave Speikers

Most University of Minnesota Foresters will agree that the Itasca Forestry Session is a lot of hard work, but there are activities other than academic studies.

Some of the sounds you might remember at Itasca might have been from the screech of a wood duck, the cries of loons and brush wolves or the howls of insomniacs Bill Gimler and Jim Karels after a whistle-wetting time at the Club Norway (Northway).

The best smells inhaled by students might have been those of Bebe Axelrod's outdoor bratwurst cookout, or maybe the natural smells of our socks after standing in one of Professor Gorham's sphagnum bog swamps for half a day. One might even consider cabin #33's scent after it was attacked by a family of skunks.

The best practical joke played on anyone in the 1982 session was played by:
The Panty Raiders of Lost Garments
In which Scott Enebak and Gerry Wolhovd created and performed the most cynical (but ingenious) act of underwear theft known to ever happen at Itasca. It was one thing to steal all of the assorted garments and lingerie out of cabin #23's closets belonging to Kari Warren, Mary Rice, Jean Strehaow and Lori Kennedy, but to hang them as ornaments on the volleyball net for everyone to see caused many students to lose their breath from laughter.

A couple of the best memories of Itasca that I can recall were those of crystal clear, stone calm water of Lake Itasca, blanketed by dense, clean mist just before a violet-red sunset — just before bright Aurora Borealis pierced the crisp air from above.
CLOQUET HIGHLIGHTS

by Rondi Allen

Remember . . .

- When Kevin Stiles destroyed a computer terminal?
- Swimming through swamps searching for "40" corners?
- The red light outside Cabin #42?
- When Kevin & Como prescribed a shelterwood cut for balsam fir?
- When Kevin & Como got a job flipping burgers at White Castle?
- The "social bed" at Cabin #42?
- Woodrow — the community cat?
- The "mu" factor?
- Popcorn, beer & Hearts at Cabin #45?
- Mark's pet raccoon?
- Regular cultural visits at the Museum?
- Barb's toast, bacon & scrambled egg breakfast?
- Snowball fights & practical jokes?
- The papers, papers and more papers?
- A. Scott Reed's wardrobe? . . . and cliches?
- Mark (The Stillier Bee's) Halloween party?
- Which has a greater S.I. — hazel or aspen?
- Sue A.'s favorite dessert? (All of them!)
- When Sue A. Gave everyone H-E-R-P-E-S?
- Real Men?
- The logger's hat?
- Your crew partner?
- Cloquet motto: "You can sleep when you're dead." (JPF)
- Kim's milkshake bets?
- Buzz Ryan?
- The countdown?
- Johnny Holm and Shangoya at Showcase?
- Sue Z.'s car?
- Football in the snow?
- Carol singing in the shower?
- Brian & Jim's parking lot?
- Dave M.'s slam-dunks?
- The 40-acre sweetroll?
by Jim Gustafson

This year's bonfire began cold and wet,
People grumbled, "They'll never get it started."
With a little gas and oil. Jim replied, "Want to bet!"
When the fire was lit, up went a cheer.
Or maybe it was for the hot dogs, beans, chips and beer.
With a little encouragement, spirits rose.
As students and faculty gave tobacco spitting and buck sawing a try.
The fall bonfire was a lot of fun.
Too bad we have to wait till next year to have another one.
31ST ANNUAL CONCLAVE

by Tom Szabla

During the third weekend of October, the University of Minnesota's Conclave team loaded up a bus and headed south to Ames, Iowa, to participate in the 31st Midwesterner's Conclave. The team arrived in Ames late Friday evening, October 22nd. Most of the other midwest teams had already arrived and were sitting by the campfire talking to old and new acquaintances, while others were diligently studying for Saturday's dendrology test. Needless to say, most of the 30 members from the University of Minnesota's team were also by the campfire socializing and enjoying the brisk evening.

As the embers from the fire died out, and as the sun began to rise, there was plenty of excitement in the air as the start of the 31st Midwesterner's Conclave began. The morning opened with frost on the ground and a chill in the air. The competition started out slowly with the traverse, chain throw, and dendrology quiz, but excitement built as competition became more intense and the chill in the air disappeared.

The competition was fierce in all the events. Those where precision was the mark of excellence, such as match split, pulp toss, and tobacco spit were mastered by members of the F-Club team. Royce Brandvold, Mark Stiller, and Don Mueller, using the precision of their upper lips, spat their way into a remarkable finish.

In the pulp toss, the team of Joe Zuzek, Don Mueller, Jerry Krueger, and Mark Stiller tossed their way into a tie for first.

Other types of contests requiring strength and endurance were the log roll, speed chopping, bolt throwing, and buck sawing events. The log roll was one event which no one wanted to enter except two courageous (crazy) people, Tom Szabla and Jim Gustafson. This feared event is won by having two people try to push a log through an L-shaped course with the aid of two peaveys or cant hooks in the least amount of time. These tools are supposed to help loggers move a log from place to place, but to move the log used in competition, a person needed a 20-ton feller-buncher machine. As Jim and I looked at the awesome half ton log, we both said, "This log can be moved." We tugged, lifted, pulled, pushed, and grunted for 15 minutes trying to maneuver the log through the course. After those first brutal minutes, our only goal was to finish. Grunting heavily at the three-quarters mark, tragedy struck as we tried to lift the log around the last corner. What Rosco had said would never happen, happened; Jim's peavey broke. Jim and I were exhausted, extremely disappointed, and unable to finish the race.

After many more hours of intense and exciting competition, the teams' scores were tallied. The Missouri team took first and the U of M team finished fourth.

As the sun sank into the horizon, the awards were handed out. Then the traditional bottle of Old Forester was passed around. Then, as the band began to play, people danced, talked, and congratulated each other for another successful year of competition. Although there were only a few winners, each team achieved a feeling of satisfaction from a job well done.
The teams danced the night away and as the sun once again rose in the eastern horizon, it signaled the end of the 31st annual Midwestern Forester’s Conclave.
FOREST PRODUCTS CLUB:
The Year in Review

by Andy Engelhardt
and Mike Mallin

Another exciting year of Forest Products Club activities has now come to an end. The officers who donated a great deal of time and effort to make this past year a success were: President — Andy Engelhardt, Vice President — Jack Wallingford, Treasurer — Pete Mayou, Secretary — Neil Lundgren, Public Relations Chairman — Geno Campobasso, and our club's advisor — Dr. Robert Erickson.

As a fund raising activity, the Club has primarily been involved with the construction of the "famous" wood identification kits. These kits consist of 43 samples of different species of woods, and a macroscopic identification guide. Also, the Club was involved in making wooden food display boxes for the Agricultural Extension Service.

You can see that the year in review turned out to be a good one just from these examples of projects, but much more was accomplished by the Club in the past year.

In addition to holding work sessions, where everyone could gain valuable "hands on" woodworking experience in each of the past three quarters, the Club also sponsored many social activities. Last spring we had two softball games/cookouts. The first, a game in which we impressively defeated the Fisheries and Wildlife Club, was a warm-up for the annual battle with the Forestry Club. Unfortunately, the intraforestry game was rained out, although the food and refreshments were definitely a success! During fall quarter the Club sponsored the traditional bratwurst cookout for everyone in Forest Products. Besides holding "recovery sessions" after each work session, the Club also sponsored three end of the quarter parties and a Christmas party.

As a student chapter of the Forest Products Research Society, we also are involved in technical activities. The Club participated in the Northwestern Lumbermen's Convention by setting up a booth which not only provided information about the College of Forestry, but also consisted of a clever "Fun Facts about Forestry" computer program. Last year the Club helped to finance a trip to the FPRS National Convention in New Orleans for one of our members. We also traveled to the Andersen Corporation in Bayport, Minnesota, for a tour of their facility.

Finally, during this past quarter the Club has implemented a program of making "Department of Forest Products" jackets and hats available to all students, faculty and staff. Keep your eyes open for those green and gold jackets which carry a logo designed by one of our members!

The newly elected officers for next year are: President — Pete Mayou, Vice President — Joe Zuzek, Treasurer — Laurie Bennett, and Secretary — Mike Mallin. Good luck to the new officers and to this year's graduates, and thanks to everyone who has made this past year a great success.
RRM CLUB

by Chris Byrne

The RRM Club consists of interested students presently enrolled in the Recreation Resource Management curriculum. The students and advisors meet at various times during the year to discuss future club activities and share common interests.

The RRM Club began the 1982-1983 school year with a picnic at Dr. Knopp's home. Students, faculty, and alumni associated with the Recreation Resource Management curriculum gathered for an afternoon of fun and excitement. Midway through the year Dr. Merian gave an informative slideshow presentation discussing the New Zealand Port System, giving our students an opportunity to compare the U.S. with New Zealand.

Through these activities students gained valuable information, ideas, and friendships that will grow throughout the years, as students see and participate with each other in classes and campus activities.

In general the club and its members had a productive year and learned the vast interests and talents that exist within. We are looking forward to meeting the new students next fall and learning of their interests and talents.

Thanks to all who made this year such a great one, and best of luck to all you graduating seniors.

President — Chris Byrne
Treasurer — Lisa Allison
As past-president of the Forest Resources Club, I was asked to write a story summarizing the last year. Thinking back over the last twelve months, I began to realize how difficult a task this would be. There have been so many different events: the spring picnic, fall bonfire, Conclave, Christmas tree cut and sale, Forester’s Day, and a dozen other less-organized things. There were cross-cut saw demonstrations, firewood cuts, meetings and pre-meetings, and hundreds of the worst jokes ever told around a campfire.

Probably the most memorable thing from the past year is the people I’ve met and worked with. I wish I could mention every one of them by name, but there just isn’t enough room for that. Primarily, Forestry Club is a social organization, and in this sense, it was a very good year. F-Club activities create an atmosphere for building some very strong friendships. To me, that’s an important part of the education I’ve received here, and something I know I’ll value for many years.
FORESTER'S DAY
FORESTER'S DAY

List of Winners

TOBACCO SPIT
1 — Ralph Greiling
2 — Royce Brandvold
3 — Mark Stiller

MATCH SPLIT
1 — Carol Amos
2 — John Muhich
3 — Jerry Krueger

WOMEN'S KEG TOSS
1 — Rondi Allen
2 — Kate Turner
3 — Evelyn Jackson & Tina Jaworski

MEN'S KEG TOSS
1 — Howard Arch
2 — John Muhich
3 — Jerry Walhovd

WOMEN'S SNOWSHOE RACE
1 — Sandy Schober
2 — Kate Turner
3 — Evelyn Jackson

MEN'S SNOWSHOE RACE
1 — Howard Arch
2 — Scott Posner
3 — Bill Roth & Mark Johnson

WOMEN'S LOG ROLL
1 — Rondi Allen & Margi Gromek
2 — Cindy Miller & Evelyn Jackson

MEN'S LOG ROLL
1 — Royce Brandvold & Ralph Greiling
2 — John Muhich & Greg Schuyler
3 — Don Mueller & Jim Karels

HATCHET TOSS
1 — Dave Speikers
2 — Kevin Heikkila
3 — John Boyne

2 WOMAN BUCKSAW
1 — Cindy Miller & Evelyn Jackson
2 — Rondi Allen & Jo Fischer
3 — Helen & Maria Purvey

2 MAN BUCKSAW
1 — Mark Stiller & Royce Brandvold
2 — Randy Urich & Bill Roth
3 — Kevin Heikkila & J.D. (Jim Dean)

CO-ED BUCKSAW
1 — Jo Fischer & Royce Brandvold
2 — Carol Amos & Mark Stiller
3 — Cindy Miller & Ralph Greiling

BAKE-OFF
1 — Dave Marcouiller
2 — Jim Gustafson
3 — Kevin Stiles

List of Contributors
Ben Meadows; Books Underground; Burger Brothers; Campus Theatres; Carl Vogt. — Juglans, Inc.; Ed's Wilderness; HarMar Theatres; Midwest Mountaineering; Minneapolis Park Board; Minnesota Student Association; Mr. Steak (East Richfield); Outdoor Store; REI Co-op; Rex Distributing; Schmidt Brewery; Shakey's Pizza; Tobaccolane; Twin City Saw
by Jim Gustafson

Once again this year F-club and the College of Forestry were represented at the Seventh Annual Plato Woodchoppers Ball. This year our representatives were Carrie Lahr, Cindy Hopper, Evelyn Jackson, Rondi Allen, Bill Fall, Chris Nelson, Don Mueller, Kevin Heikkila, Jim Gustafson and Tom Szabla. The competition was fierce in all of the classes; mens, womens, and jack and jill. But when the chips and sawdust cleared the air, it found one of our men's teams (Tom and Jim) on the way upstairs for the final round of sawing competition. Excitement ran high, and we tried our best, but we finished third and needed a rest.

I-M SPORTS

Softball

Jr. Ranger Patrol
- Kevin Heikkila
- Dave Edwall
- Dave DeLay
- Gerry Walhovd
- J.D. Dukes
- Jim Gustafson
- Rich Tyler
- Don Mueller
- Mark Ballou
- Steve Long
- Kevin Sittauer

Booze Bros. Revue
- Tom Szabla
- Don Mueller
- Jim Gustafson
- Kevin Stiles
- Chris Nelson
- Dave Spikers
- Tim Sether
- Jerry Krueger
- Greg Arthaud

Flash Fire
- Evelyn Jackson
- Lisa Allison
- Kari Lawrence
- Sandy Schoberg
- Carrie Larr
- Jim Gustafson
- Tom Szabla
- Kevin Heikkila
- Gerry Walhovd
- Tim Sether
- J.D. Dukes

Volleyball

The Not Whole Gang
- Don Mueller
- Jim Gustafson
- Heather Carey
- Evelyn Carey
- Jan Norwig
- Brian Mueller

Hockey

Rhus Radicans
- Tom Szabla
- Eric Krugger
- Ben Skinner
- Tom Murn
- Pete Runquist
- Dave Spikers
- Don
ACTIVITIES

university of
minnesota
memo

date 5-1-19

10:50

to Tom 1423
from

Michael Marty (Alias Robert Plum)
called he stated: "if he doesn't
got his rock back, you're a dead
man!"
Well?
He would like you to call
him —

IT WEEK
POSTPONED
Due to computer breakdown. All
events rescheduled for 5/9-5/13
INVESTIGATING FOREST INDUSTRIES

by John Somppi

Student response for this year’s forest industries trip was much greater than expected. On March 21, 32 forest products students left Kaufert Lab for the week long tour. Under the leadership of faculty member Harlan Peterson, the group visited a dozen companies throughout Minnesota and Wisconsin, ranging in size from a small family owned sawmill to an enormous Weyerhaeuser facility. Students were exposed to a variety of product types including paper, lumber, furniture, and particleboards. The trip provided a chance to learn more about aspects of quality control, marketing, and computerization within the forest products industry. Perhaps more important was the opportunity to gain a behind-the-scenes look at actual job situations. For many, the most interesting stop was in Boyd, Wisconsin, where specialty items such as yardsticks, rulers, wooden bowls, and folding tables were manufactured.

Highlights of the trip included:

• Jake, our guide
• the Hollywood Lounge: Marshfield, Wisconsin
• 5 fast food connoisseurs who refused to eat at McDonalds en route to Wausau

Monday, March 21
Tour St. Regis Paper
Tour Burlington Northern
Tour Ekelund Lumber

Tuesday, March 22
Tour Diamond International, Cloquet
Tour Superwood Corporation
Tour Louisiana Pacific Corporation

Wednesday, March 23
Tour Chippewa Industries, Hayward
Tour Pukall Lumber
Tour Marplex Products

Tuesday, March 24
Tour Connor Forest Industries
Tour Wausau Homes

Friday, March 25
Tour Weyerhaeuser Company, Marshfield
Tour August Lotz Company
The 1983 Southern Forestry Tour began early Saturday morning, March 19, behind Green Hall. This year’s participants included two faculty members — Phil Splett and Pat Weicherding, and 16 juniors and seniors from the College of Forestry. With snow falling around us and the promise of warmer weather at the Iowa border, we loaded the vans in haste and began our journey.

Our first stop-over was in Stockton, Missouri, at the Holiday Motel. It was here that we found out that it snows in Missouri and with the forecast predicting four inches of new snow, talk was quickly turned towards changing our course to the South Padre Islands in Texas.

The next morning we had our first official tour of the week. Jim Jones, President of Hammons Products Company, led us through the black walnut processing plant where he showed us the step-by-step procedure of processing the nuts. After loading our pockets with almost half of their inventory of walnuts, we left for the SHO-NEFF Black Walnut Plantation. Once there, we viewed the genetic selection of black walnut species. From here we headed for Fayetteville, Arkansas, home of the Razorbacks.

In Fayetteville, we were given a tour of Ozark Forest Products by U of M forestry graduate, Dale Dose, and Phillip Elder showed us their small but efficient pallets mill which turns out about 5,000 pallets a day.

After visiting Fayetteville, we drove further south to Mountain Pine, Arkansas; still in search of warm weather. We spent the night at Camp Clearfork, a YCC camp nestled in the Quachita Mountains. That turned out to be one of the most relaxing evenings of the trip. We started a bonfire, roasted some marshmallows and Tim Morlin told us all about the “side hill gorger.” Later that evening, there was the “All Star Wrestling Match.”

The next morning, Rex Mann, the District Ranger of the Quachita National Forest, took us to the scenic point overlooking Lake Quachita and answered questions for three hours.

From there we went to the Weyerhauser Corporation which is also located in Mountain Pine. There we talked to Don Trantham who showed us a few clearcuts, a selection cut and a small logging operation.

After Weyerhauser, we headed for Crossett, Arkansas, where we stayed for the next three days. Wednesday was our day off and we used it for sightseeing. We drove to the Vicksburg National Battlefield in Vicksburg, Mississippi. That night we made the annual trip to the Catfish Inn for all the shrimp, catfish, and chicken we could eat for $5.95!

Thursday turned out to be the
most impressive stop of the week. Don Rothenbush, Assistant Plant Manager, took us through the Georgia-Pacific plywood and tissue paper mills. The plywood mill is capable of producing eight million board feet of plywood a week. The tissue mill runs nonstop producing toilet tissue, napkins and paper towels. It was stated that the mill complex was the largest in the nation and possibly the world.

Later that day, James McGriff, reforestation forester of the G.P. lands showed us various stands around the Crossett area, which had been reforested.

The following day, which was our last day in the south, we were the guests of the U.S. Forest Service Southern Experimental Station. There we viewed a slide presentation of the events that brought about the formation of the station. After the presentation, we toured the various lands that the station manages, which concluded our formal tour of the south.

Eventually we did get the sun and warmth we hoped for, but it came on our last day there. The whole trip was an excellent educational experience as something was learned by all participants. Phil Splett even gave us some dendrology, "those are shortleaf" he blurted out as we sped through the Ozarks. All in all, it was a super trip. We would like to thank Phil and Pat for putting up with us.
Forest Resources Juniors

Forest Products Juniors
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</tr>
<tr>
<td>Donahue Michael</td>
<td>Sophomore</td>
<td>Douglas Lowell Alan</td>
<td>Senior</td>
<td>Drenlaw William John</td>
<td>Freshman</td>
<td>Driscoll James</td>
<td>Whitney</td>
</tr>
<tr>
<td>Elmoquist Todd Lyle</td>
<td>Senior</td>
<td>Elshoff James</td>
<td>Junior</td>
<td>Engelsford Michael</td>
<td>Sophomore</td>
<td>Ewbank Scott Alan</td>
<td>Junior</td>
</tr>
<tr>
<td>Fealy Barbara Jean</td>
<td>Sophomore</td>
<td>Fischer M Jo</td>
<td>Senior</td>
<td>Fischer Todd Allen</td>
<td>Senior</td>
<td>Fealy Barbara Jean</td>
<td>Junior</td>
</tr>
<tr>
<td>Fluegeman John</td>
<td>Senior</td>
<td>Follkwerk Lewis</td>
<td>Senior</td>
<td>Frame Dana Lee</td>
<td>Junior</td>
<td>Gregerson Robert</td>
<td>Senior</td>
</tr>
<tr>
<td>Friedman Wayne</td>
<td>Junior</td>
<td>Friedel Jeffrey John</td>
<td>Senior</td>
<td>Fredrick Scott Thomas</td>
<td>Sophomore</td>
<td>Follick Jeffery</td>
<td>Senior</td>
</tr>
</tbody>
</table>
| Giddings Brian Lee    | Senior  | Gilmer William       | Senior  | Gjerde Brian Scott    | Freshman | Flanders Michael       | Sophomore |}

"Hello ... Royce, it's for you."
MAERTENS THOMAS JAY
MALLIN MICHAEL LEE
MARCOUILLER DAVID WILL
MARGL RICHARD ALLAN
MATTSON EERO KEVIN
MAYOY PETER ANTHONY
MCCARTY MARY EILEEN
MCDILL MARC ERIC
MCKOWN KIMBERLY ANN
MILLER SUSAN MARIE
MORIN TIMOTHY DAVID
MOYEY DALE ROBERT
MUELLER DON LYNN
MURN THOMAS PAUL
MURTHA JOHN LOUIS
MURN THOMAS PAUL
NIELSTAD JEREMY JON
NIELS DONALD PATRICK
NORR DAVID ARTHUR
NOVACEK MICHAEL ANTHON
OBRIEN AUSTIN THOMAS
OBERG MICHAEL LAWRENCE
OLSON ALAN GLEN
OLSON BRET ALAN
OLSON ERIC DONALD
OMEEDA NDUKA
OGERE JAMES ELLERY
OGNUFOLAMI ZACHAUS O
OLSEN WILLIAM CARTER
OLSON ALAN GLEN
OLSON VALERIE
OLSON ERIC DONALD
OMONOGA NDUKA
ONEIL MICHAEL EUGENE
O'REILLY ROBERT
PAINTER THOMAS ROY
PAK HOTAK
PALEN LISA KAY
PALMER JEFFREY LEWIS
PANNOUK MARK LAUREN
PARRSON DIANE MAR
PAWLISKO WILIAM
PERICH GEORGE CHARLES
PETREK SOREN PAUL
PHILLIPS DAVID WARD
PIEHL BRADLEY THOMAS
POPOWITZ BRUCE ALLEN
PORTER MARY GRAYSON
PORTER TODD WILLIAM
PULSCHER SCOTT BRUCE
PYTHIAS HELEN VICTORIA
RAASCH DAVID JOHN
RANDALL JAMES WARR
REMUS THOMAS FREDERICH
RENDEL GAIL JEAN
RIBICH ROBERT L
RIESE MARY THERESE
RINTER STEVEN DAVID
RICK JEFFREY ALAN
ROEGER STANLEY DEAN
ROESLER GREGORY SCOTT
ROEDER GREGORY SCOTT
ROEDER GREGORY SCOTT
ROZEL ROGER SCOTT
ROZEL ROGER SCOTT
ROZEL ROGER SCOTT
RUDOLPH PETER JON
RYAN DAVID LAWRENCE
SCHABEL CATHY ANNE
SCHARRER MICHAEL PHILL
SCHURZ DEAN LAWRENCE
SCHURZ KIRK WALTER
SCHURZ WALTER KIRK
SCHURZ WALTER KIRK
What Blarney Stone?

Geez, that hurt!!!

Wear this and you won't get a hangover.

And the syrup comes out here?

Well, now we know how to make lumber, when are they going to tell us how to make trees?

Newest F.P. breakthrough.
Don't worry Jim, the peavey can't break.

What do you mean you have to split the log too.

Christmas tree lot customer control.

That's the weirdest looking butterfly I've ever seen.

Disco Royce!
GRADUATE STUDENTS

Ajayi, Samson: forestry administration & policy
Anderson, Bryan A.: forest management
Apple, Richard L.: management/economics
Bengston, David: forest economics
Billings, Dan: forest ecology
Billings, Sue: silviculture
Butler-Fasteland, Marna: silviculture
Byrne, Donna: economics
Chakrabarty, Ruchi R.: pulp & paper technology
Current, Dean: forest economics
Diatta, Gilbert: forest genetics
Duncan, Nancy: forest management/photogrammetry
Farrish, Ken: forest soils
Fereshtehkhou, Saeed: pulp and paper
Ford, Douglas H.: forest economics
Fox, Scott: forest hydrology
Gafni, Abraham: forest hydrology
Garver, Ted: wood chemistry
Gray, Gerald: forest policy and economics
Guertin, Phil: watershed hydrology
Gullett, Tom: forest hydrology
Hadikusumo, Sutjipto: wood science & technology
Hamann, Randall: remote sensing
Hansen, Mark H.: biometrics
Hanson, Paul J.: plant physiology
Holmberg, Jorge: forest economics
Hyun, Andrew: wood technology
Jones, Brad: silviculture
Kilgore, Michael A.: forest economics
Larson, Timothy: forest products
Leding, David: forest products production management
Lee, Yongkil: forest products
Lenarz, John: forest biometry
Lin, Tsai-Yun: plant physiology
Marion, Jeff: forest recreation
McDonald, Cary: recreation
Merrill, Robert E.: forest genetics
Miles, Pat: economics
Moore, Margaret: forest ecology & aerial photography
Morck, Vicki: recreation
Nascimento, Jose: forest economics — planning
Nicholls, David L.: industrial engineering
Norland, Michael: forest soils
Olmstead, Jim: forest economics
Opseth, Steven Ray: remote sensing
Posner, Scott: forest ecology
Quarles, Stephen: wood drying
Randall, Bryan: biometrics
Shifley, Steve: biometry
Slater, Harold: plant physiology
Steklenski, Phil: wood energy
Stewart, Keith: forest genetics
Strees, Anne: forest economics
Strong, Terry: soils
Thein, Pe: forest economics
Tompkins, Thomas: pulp and paper
Wagner, Lloyd
Weber, Laura: biometrics
Weid, George: silviculture
Weichardt, Patrick J.: urban and community forestry
Welch, Robert: remote sensing
Williams, Dan: forest recreation management
Ziesler, Thomas: biometry
Xi Sigma Pi Officers:
Forester — Margi Gromek
Associate Forester — Donna Byrne
Secretary/Fiscal Agent — Ted Garver
Ranger — Dale Johnson
Speaker’s Bureau — Jeff Marion
Advisor — Alan Ek

The following students and faculty were initiated into Xi Sigma Pi:
Carol V. Amos
Rondi I. Allen
H. Daniel Billings
Robert A. Blanchette
Cynthia A. Buschena
Robert J. Bush
Andrew W. Engelhardt
J. Patrick Flanary
Abraham Gafni
Mark K. Hilliker
Gary A. Hoffman
William L. Johnson
Denise M. Knuth
Steven E. Long
Douglas Meisner
Patrick D. Miles
Cynthia J. Miller
Margaret M. Moore
Don L. Mueller
Harlan D. Peterson
James A. Perry II
Helen Purvey
Kirk B. Roettgering
Michael P. Scharrer
Carl E. Vogt

XI SIGMA PI —
A YEAR OF DIRECTION?

by Margi Gromek

What exactly is Xi Sigma Pi Fraternity? I believe it to be an organization that symbolizes different things to different people. New freshmen, for example, often conjure up an image of the fraternity as being an organization of preppy Greeks. Dendrology students, on the other hand, sometimes confuse it with the scientific name for prickly-ash. Members of the Society, however, have interpretations of their own.

It is safe to say all our members agree to the three objectives of the Society, but may differ on how we as members should strive toward these goals. Our objectives include:
1) maintaining a high standard of scholarship in forestry education,
2) working for the upbuilding of forestry, and
3) promotion of fraternal relations among those engaged in forestry activities. These objectives are clear, ethical and signify the heart of what Xi Sigma Pi is.

Those of us on the executive council this year grappled with the fact of putting our objectives into practice. The problem of promoting Xi Sigma Pi as a purely honorary society, as some members wish it to be, or promoting it as an active social club as others prefer, was the biggest dilemma we faced. In light of this input from members we as officers were not sure what direction to take with the society. I’m afraid it may seem as though we have taken no direction — we may go down in history as a sort of “do nothing congress!”

In spite of this “direction” from its officers the Society has kept busy with business meetings and our annual report. Our banquet was held at Nino’s Steakhouse in Roseville and featured Frank Altman, Special Assistant to Governor Perpich, as the keynote speaker. The initiation banquet was the highlight of the year with 25 new initiates including undergraduates, graduate students, and many faculty members. I have great hopes for an active future of the Delta Chapter and wish the new officers a good year, great vision, and better luck than I’ve had in trying to explain what Xi Sigma Pi is to a freshman.
This year has proved itself to be a very difficult one for the Student-Faculty Board. We started the year with a high degree of enthusiasm, hopes, and increased student involvement, but due to extreme financial difficulties the board was unable to realize its potential. With the ever-increasing financial troubles the University faces and the subsequent funding cutbacks and shifts, the Student-Faculty Board was left with little or no funding.

The board has made a successful change in its budgeting interests. In the past, interorganizational funding had been a primary concern of the board; this year we changed our focus to program funding that will directly benefit the students.

Other primary concerns of the board this year included increasing student awareness and involvement in representing the College of Forestry in campus government. This year we succeeded in filling all positions available to the college, and in the future we hope to do the same. Keeping people in these positions assures us that the college will not go unheard or unnoticed as it has in the past.

The board's hope for the future is that we can steadily improve the degree of communication between the students and the faculty within the college, increase student awareness on issues that concern their welfare, and maintain the high level of student involvement in both the college organizations and in campus-wide government.
College of Forestry
1982-83 Scholarship & Award Recipients

John H. Allison
David W. Marcouiller
R.M. Brown
Marc E. McDill
Carolind
Brian Walukievicz
Steven Eric Long
Bryan York
Denise Knuth
E.G. Cheyney
Martha Lang
Eric Woolums
John Colmey
Caleb Dorr
William Olsen
Kevin Sittauer
Linda Williams
Andrew W. Engelhardt*
Sally Hess-Samuelson*
Edward A. Everett
John Colmey
James Dukes
Jerome Krueger
Bruce Popowitcz
Mike Scharrer
Federated Garden Club
Margaret Gromek
Denise Knuth
Rondi Allen
Robert L. Goudy
Susan Stafford
Brian York
Samuel B. Green
Sally Hess-Samuelson
Pack Writing Contest
Denise Knuth
Sally Hess-Samuelson
Trudy Balcom
Oscar Mather
Mike Scharrer
Ken Merriam
Janice Norberg
Henry Schmitz
Margaret M. Gromek
Andrew W. Engelhardt
Don L. Mueller
Jerome A. Krueger
M. Jo Fischer
A. Searles
Rondi Allen
Lisa Allison
Margaret Gromek
Denise Knuth
Carrie Lahr
Martha Lang
Sally Hess-Samuelson
Helen A. Young
Diane Parson
William R. Miles
Royce Brandvold
Lindgren
Eric Krueger
* co-winners

Andersen Corporation
Andrew W. Engelhardt
Richard A. Margl
Jeffrey G. Schultz
Dr. Stanley J. & Mertie W. Buckman
Todd A. Hubbard
WCCO AM/FM/TV
Jack W. Wallingford
The Forest Industry Fraternity of Minneapolis and St. Paul
Michael L. Mallin
St. Regis Paper Company
Gerald J. Lipovetz
James D. Scully
Beloit Corporation
Julie A. Pawlikowski
Pulp and Paper Alumni
Stanley D. Roebber
Blandin Paper Company
Jeffrey A. Verdoom
Champion Packaging
Kevin C. Ward
David D. Falk
Sunds Defibrator, Inc.
Joseph A. Scheller

Dean Skok presenting College of Forestry Leadership Award to Forest Products Club President, Andy Engelhardt.

L to r: Andy Engelhardt, President Forest Products Club; Margi Gromek, President Xi Sigman Pi; Jerry Krueger, Chair of Student-Faculty Board; Don Mueller, President of Forestry Club; Evelyn Jackson, Editor, Gopher Peavey.
Professor Jim Bowyer is one of seven University faculty to receive the 1983 Horace T. Morse-Amoco Foundation Award for Outstanding Contributions to Undergraduate Education. The award is based on demonstrated excellence in teaching and advising, innovation and academic program development, and educational leadership.

Paper birch is the second most abundant hardwood species in Minnesota (with volumes exceeded only by aspen), occurring primarily in the northeast quarter of the state. Growing stock was estimated in 1977 at 1,271 MM cubic feet, with the volume of trees of sawtimber size about 15% of the total growing stock volume. Growth/harvest data shows paper birch to be little utilized. A look at 1982 data shows an annual allowable cut of paper birch at 502.2 M cords and an annual harvest of only 139.4 M cords. The situation in sawtimber size material was similar. There appears, therefore, to be considerable potential for increased use of paper birch in Northern Minnesota. This potential has attracted the attention of researchers in the College of Forestry.

Because of its generally small size and often poor form, paper birch is seldom manufactured to lumber or high value products commonly made from lumber. Most of the Minnesota paper birch that is harvested is used for fuelwood (73%), with considerable volumes used in manufacture of pulp and paper (11%). Volumes going to saw and veneer mills are minimal (5%). Applicable quantities find their way into “other” uses (11%). Wooden dowel manufacture is one product category included in the “other” designation.

One objective of programs designed to achieve increased use of eastern hardwoods is to find ways of using small sized and low grade hardwood logs for production of relatively high value products. Generation of high value products is thought to be a key element in developing a market system that will make timber harvest economically attractive to landowners as well as loggers, and to public land administrators who must find ways of financing timber stand improvement work.

A recent advance in the quest for high value product systems is “System 6” — a technique developed by the USFS Forestry Sciences Laboratory in Princeton, West Virginia, for producing furniture dimension stock from small, low quality stems. With this system, low grade trees are harvested as 6- or 8-foot-long bolts ranging from 7.5” to 12.5” in small-
end diameter. These bolts are processed, in turn, on small log processing equipment into 3- or 4-inch-thick cants for subsequent sale to a dimension stock producer. At the dimension plant cants might be converted to edge-glued into furniture blanks. The difference between the System 6 approach and traditional methods of producing dimension stock is that traditionally, there has been little in the way of coordination between harvesting and milling operations. Bucking, for example, is not generally done with the specific objective of maximizing yields in the dimension plant. The same is true in the sawmill, where the objective most commonly is to produce as much high grade lumber as possible without regard to subsequent use. With the System 6 process the objective is to produce a specific product – namely furniture dimension – and all activities are aimed at achieving economical production of this product.

The success of the System 6 project has raised the question as to whether Minnesota paper birch might be used in furniture dimension blanks. Though birch generally is known for good machining and finishing properties, doubt has often been expressed that white birch will be widely accepted in today's furniture dimension market. The characteristics of paper birch, including the abundance of knots and crookedness of grain, both traceable to small diameter stems, and the grainless nature of the wood are primary elements contributing to doubt about marketability. Assuming, moreover, that paper birch is acceptable as furniture dimension from a technical standpoint, added unknowns to this point have been the size of the potential market and the nature of market barriers other than raw material characteristics.

Two recent studies were undertaken at the College of Forestry to determine the market potential for paper birch; both were cooperative efforts with the U.S. Forest Service, North Central Forest Experiment Station. In the first study, executives of about 70 firms in a seven-state area were visited, shown samples of furniture blanks, and quizzed about their interest in the product. Based on these discussions a questionnaire was constructed and then sent to 515 additional firms in the region. Of the 70 individuals interviewed and shown samples of birch blanks, one third said they would be interested in possibly using them; several firms requested price quotations. Other firms said they might be interested. Some 20 percent of those responding to mailed questionnaires indicated a definite interest in further considering birch blank use, and an additional 44 percent of those contacted expressed some interest.

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Upon completion of the birch blank marketing evaluation, a follow-up study was designed to look at the possibility of producing furniture blanks for sale in the retail market, direct to consumers. The idea here was that weekend home furniture and cabinet builders might find large panels of solid wood attractive, since many steps associated with hardwood lumber (such as ripping, jointing, gluing, clamping, planing, and rough sanding) would be eliminated in building something like a desk or bed headboard. The approach selected here was 1) to question managers of home care centers and wholesale distribution yards to determine their view of the potential for this kind of product, and 2) to produce some of the product and test market it in the retail lumber/wood products market. In the test market phase, the University contracted with a Minnesota firm to produce a number of birch blanks to precise size specifications and surface quality standards. A “Northern Furniture Panel” label was designed and panels were shrink-wrapped with a clear vinyl and labeled by another firm. Panels were then sold to two lumber distribution centers in the Twin Cities which sold these to retail customers. At this writing the test marketing exercise is in its fifth week and questionnaires from buyers of the product (included in the packaging) are being collected. Questionnaires are now being sent to some 600 marketing organizations to gauge interest in these panels. While other problems remain to be solved, such as location of markets for birch residues, determination of the market potential for birch dimension blanks could lead to a significant new industry in Northern Minnesota. As many as 10-15 birch blank plants, each employing 20-25 people, could be supported by the resource. The State, northern communities, and forest land owners would all benefit from this development.
A FINAL NOTE FROM THE 1983 GOPHER PEAVEY STAFF

John Bell, Gopher Peavey Advisor.

We would like to thank everyone who assisted with this year's Gopher Peavey. People not pictured are Suanne Kedziora, Mike Scharrer and Kevin Stiles. A special thanks to Bolger Printing.
Thank you to the advertisers and sponsors of this year's Gopher Peav­ley. Their support is most appreci­ated.

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