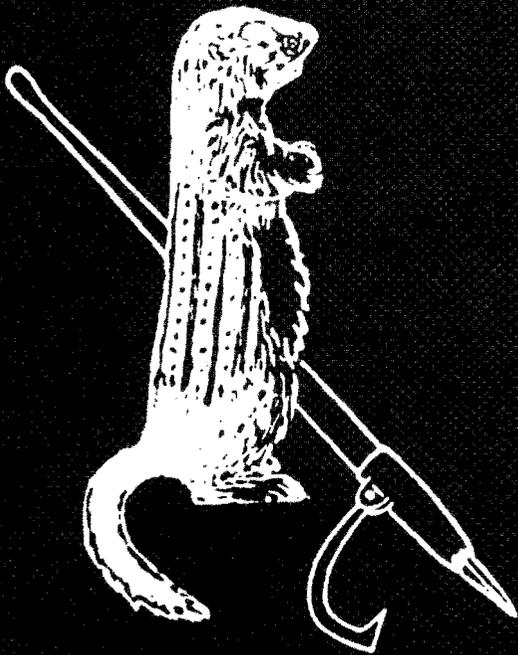


GOPHER

PEAVEY



1985

DEDICATION

Dr. Merle Meyer and Dr. L. Daniel Frenzel



Merle



Dr. Dan

We are proud and pleased to dedicate the 1985 *GOPHER PEAVEY* to Dr. L. Daniel Frenzel and Dr. Merle P. Meyer. Dr. Frenzel retired January 1, and Dr. Meyer plans to retire at the end of June of this year. Both professors have had long, distinguished, illustrious careers in teaching, research and advising. Dr. Meyer joined the ranks of the College of Forestry faculty in 1952 and Dr. Frenzel, after teaching at the Lake Itasca Biology session since 1959, became a full time faculty member in the Department of Fisheries and Wildlife in 1969.

A native Iowan, Dr. Meyer received his B.S. and Ph.D. degrees from the University of Minnesota with a Master's degree in between from the University of California-Berkeley. During his 33 year span of time in the College, Dr. Meyer has taught FR 5200 — Aerial Photo Interpretation, FR 5220 — Remote Sensing at Cloquet, FR 5231 — Range Measurement and other courses dealing with procurement and application of small format aerial photography and research problems courses in remote sensing for graduate students. In addition, he has authored and co-authored over 150 technical publications and papers involving applications of remote sensing to crop and tree detection, wetland classification and related areas. Dr. Meyer also holds membership in the American Society of Photogrammetry and Remote Sensing, Society of American Foresters, Society for Range Management, The Nature Conservancy, Minnesota Forestry Association and the Wildlife Society.

For many, many years Dr. Meyer has flipped pancakes for always hungry students at the Forestry Day's breakfast and this year was no exception. In addition, he delivered a very thoughtful and inspiring talk at the Forester's Banquet held at Donatelle's Restaurant in New Brighton. Dr. Meyer will also deliver the Commencement address at the June 8th graduation program.

Dr. Frenzel earned Bachelors and Masters degrees at North Texas State University followed by the Ph.D. at this University. He taught at Vermilion Community College in Ely and Macalester College prior to accepting his professorship in the Department of Fisheries and Wildlife. Dr. Dan, as he is affectionately known by his students, has taught over the years FW 1001 — Fisheries and Wildlife Orientation, FW 3052 — Intro to Principles of Fisheries and Wildlife Management, PW 5106 — Basic Wildlife Biology and FW 5281 — Senior Seminar. His research activities have been and continue to be with the behavior of eagles. Such articles as Bald Eagle — Hawk Interaction, Management Strategy for Bald Eagles and A Gathering of Eagles have graced the pages of professional journals for many years. However, he may be best remembered and revered as an advisor extraordinaire and a "friend" to literally hundreds of students.

In fitting testimony of his influence on students, approximately three hundred former students, colleagues and family friends were in attendance at Dr. Dan's retirement dinner and award ceremony at the Fox and Hounds Restaurant on the chilly evening of February 1st. At the Student-Faculty Board meeting of April 10 Dr. Frenzel was presented a Certificate of Appreciation which read, "In recognition of his outstanding contributions to education, including his participation in the Student-Faculty Board as a representative of the Fisheries and Wildlife Department and his dedication and involvement as advisor to undergrad students. For these contributions and his donations of time, leadership and guidance, the Student-Faculty Board presents this certificate of appreciation."

Thank you Dr. Meyer and Dr. Frenzel for your guidance, wisdom and dedication to your chosen professions. We have learned a great deal from each of you and you will always be an inspiration to us. Good luck and best wishes.

1985

GOPHER

PEAVEN



P.J.L.



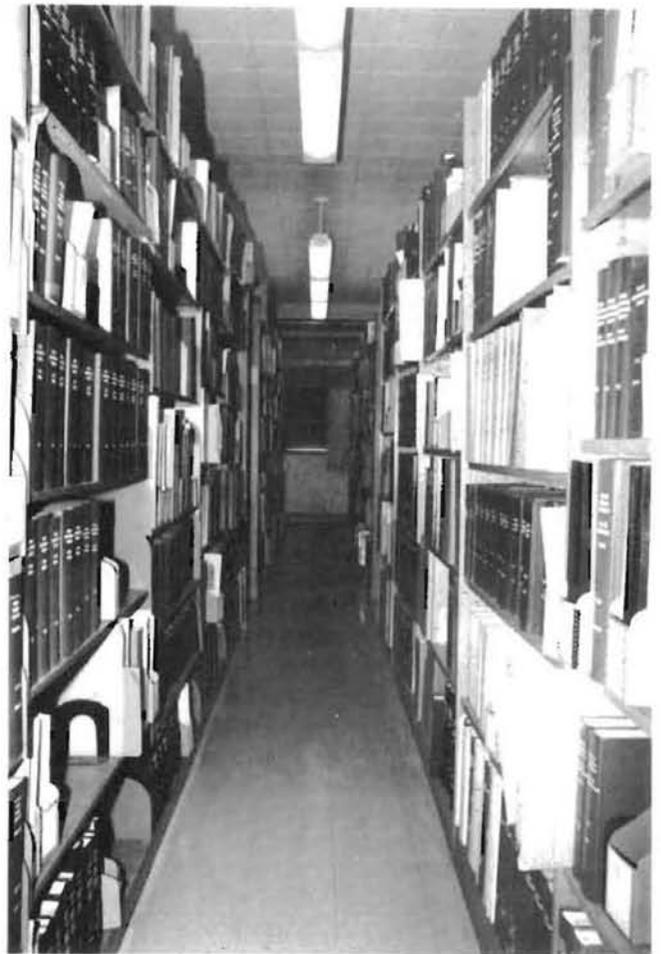
For undergrad use only! faculty and staff, Hands Off!



Winter quarter — only five more finals to go



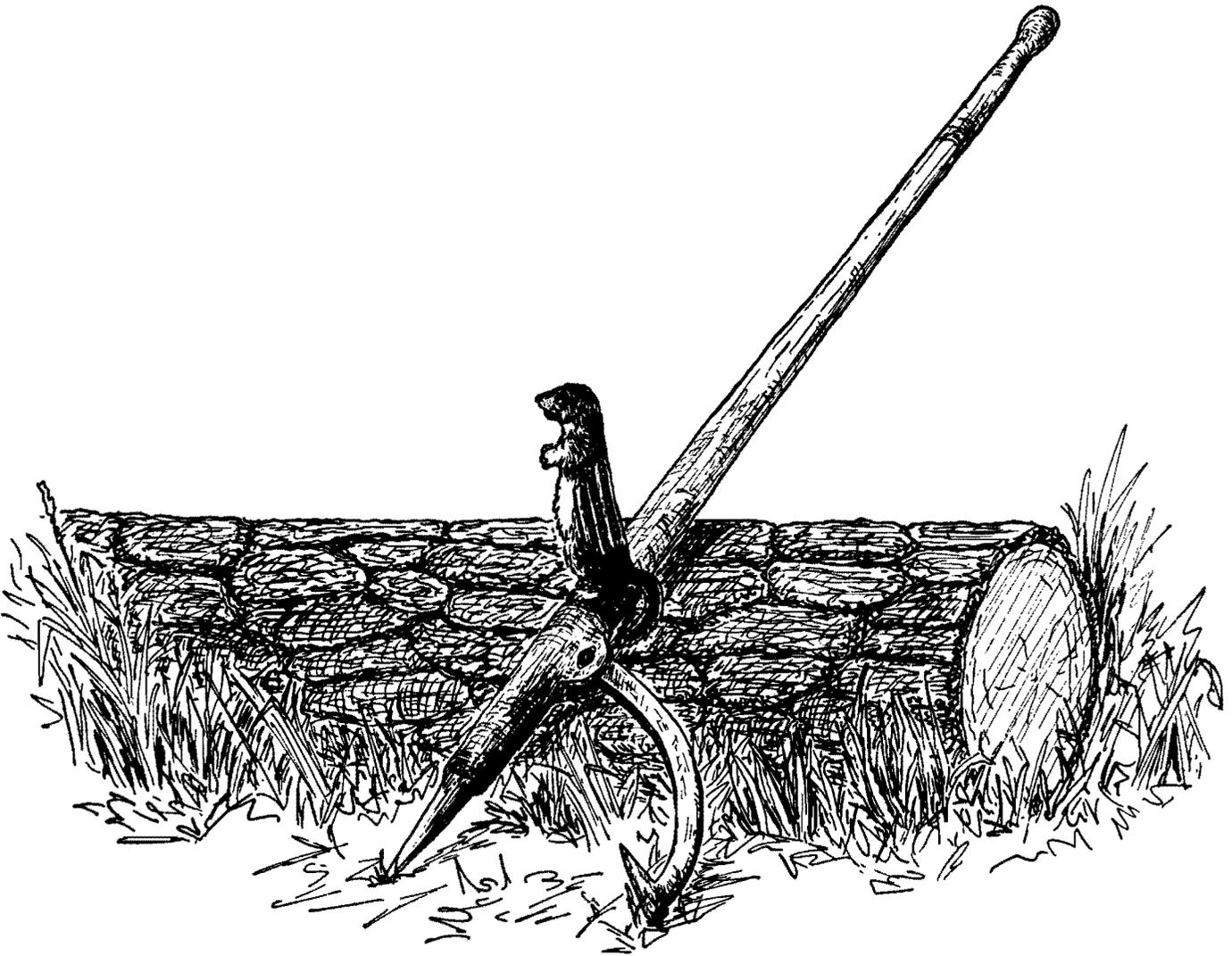
School's out



Assigned readings for FR5-222

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DEAN'S REPORT 1984-85

College of Forestry

Richard A. Skok

After more than a decade of expectation on our part, the 1984 Minnesota Legislature appropriated \$656,000 for the development of working drawings for the addition to and remodeling of Green Hall. Strong support from outside constituent groups, including our alumni, was a vital factor in realizing this crucial step in obtaining new an upgraded space for programs of the College of Forestry. Green Hall was built in 1938 and has proven to be a durable and functional building. It was designed for a program heavily focused on undergraduate instruction. The new project will be oriented on the sizable graduate education and laboratory research prevalent today in the college.

A Building Committee which includes 5 individuals from the college is working with the architects in development of the plan and working drawings. The University's 1985-87 biennial Capital Budget Request, currently before the Minnesota Legislature, includes a \$5.5 million item for the Green Hall addition. Present plans are to include an additional \$5 million request for the remodeling phase in the 1987-89 biennium.

Working drawings are scheduled for completion by February 1986. If all funding occurs on schedule, the new addition would be completed in June 1988 and remodeling accomplished by September 1989. These achievements would provide a fitting cap to the 50th Anniversary of Green Hall.

While buildings and equipment are important, it is really people who make our programs what they are. Two retirements this year emphasize this point. Merle Meyer, professor of forest resources, who has spent more than 32 years at the College, is retiring from the faculty in June. Merle has taught aerial photography and range management over this period while also conducting a very active and well recognized program of research. He has travelled widely during his professional career and spent two months this past year on FAO assignments in China. Always active and involved, we are sure Merle will continue to be so through various consulting and service assignments.

Dan Frenzel, professor of wildlife, also elected to retire in January of this year. Dan had been a member of the Fisheries and Wildlife faculty since 1969. An enthusiastic instructor, he was much involved with the undergraduate students in the fisheries and wildlife programs. He also carried research and graduate education assignments. In recent years Dan was best known in research circles for his work with bald eagles.

Both Merle and Dan exemplify faculty who were dedicated to their students and provided them with important role models as professionals. It seems we may too easily overlook the importance of such contributions in the present efforts of a large complex research university. People such as Dan and Merle have demonstrated that individual commitment can make a difference to the student experience.

Effective July 1, 1984, Alan Ek was appointed new head of the Department of Forest Resources after a nationwide search. Alan had been acting in this position for 10 months prior to this appointment. A native Minnesotan who came to the University faculty in 1977 from the University of Wisconsin-Madison, he brings commitment both to professional education and scientific achievement in this leadership role.



Richard Skok — Dean

Jim Bowyer was appointed as head, Department of Forest Products, on July 1, 1984, after an internal search. Jim joined the forest products faculty in 1969. He was recipient of the University's Horace T. Morse Amoco Award for Outstanding Contribution to Undergraduate Teaching in 1983. Jim replaces John Haygreen who asked to return to teaching and research after 13 years as head of the department. His commitment to education and the role of his department in the Minnesota forest products community were important factors in his selection for this important position in the College.

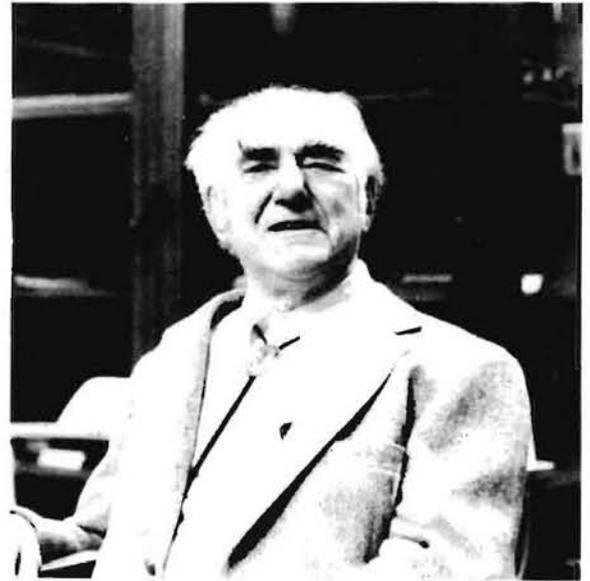
Serious discussion is underway in the University on moving from the quarter to the semester system. Obviously a change of this magnitude in the academic year, a decision will be made. If the change is forthcoming, it will require major restructuring in our curriculums to accommodate the revised timeframes for coursework.

In late April, we are scheduled for a reaccreditation review organized by the Society of American Foresters (SAF). Our last visit was in 1974. Programs of the college have been continuously accredited by the SAF since forestry accreditation was first introduced in 1935. The review team will specifically look at the forest resources, urban forestry and renewable resources science curricula. The Society of Wood Science and Technology (SWST) has joined with the SAF since 1982 in accreditation of forest products programs. Two team members designated by SWST will join in the review to report on the forest products curriculum. We are presently putting final touches on the self-evaluation report required for such a review.

Many of you spent one quarter of your academic program studying at the Cloquet Forestry Center. You undoubtedly have fond memories of that period of field study, both for the friendships developed during the 10 week session and for the chance to practice the classroom-textbook theories. This year marks the 75th anniversary of the establishment of the Center. A special program will be held on June 19 at the Center. The contributions the Center has made to forestry education and research over the years will be recognized at that time.

While our overall student numbers were down again this fall quarter, one can't help but be pleased by the enthusiasm and interest our undergraduates show in their program. The undergraduate enrollment decline is one that forestry schools nationwide are experiencing. This year we have enrolled 354 undergraduates and 116 graduate students. With the University's emphasis shifting more heavily to graduate education and research, it seems we have already arrived. Initial proposals call for a 3:1 ratio in the University. As you can see from the numbers above, we have essentially that ratio now. I firmly believe this has long term implications for our traditional undergraduate programs that we will need to consider carefully in the period ahead.

As always, we welcome your ideas and advice on the College of Forestry, its programs and people. Our most important contributions are our graduates.



Frank Kaufert — Dean Emeritus



Secretaries

Karen Kanda	Ruth Davidson
Kathy Phelan	Mary Ann Hellman
Clara Schreiber	Betty Schiefelbein
Marilyn Workman	Janelle Schandt
Anne Mayhew	

Student Services



Director of Student Services

John Bell



Office of Student Services

Sandy Gibbs Nannette Wilkinson Vicky Mackerman



Librarians

Jean Albrecht

Cheryl Owens



Phil Splett

Career Opportunities Coordinator and Instructor. Provides information and help to students and alumni seeking forestry employment. Teaches conservation of Natural Resources at Itasca. Currently S.A.F. Faculty Advisor for the Student Chapter.



FISHERIES AND WILDLIFE

Department of Fisheries and Wildlife

The Year in Review

Ira R. Adelman
Professor and Department Head

It has been 1½ years since the transfer of the Department of Fisheries and Wildlife into the College of Forestry and we are now feeling much less like the "new kid on the block." We have settled in and attempted to do our share in contributing to the continued excellence and outstanding reputation of the College. Events during the year have not been quite as dramatic or traumatic as a college change, but some are noteworthy and of interest.

Cooperative Education Agreements with the U.S. Fish and Wildlife Service for both undergraduate and graduate students were finalized during the past year and our first three students were selected into the program. In general, the agreements provide the student with experience in a paid position for a period of up to 6½ months while working on his/her degree. After graduation, the student is eligible for a noncompetitive conversion to a career appointment with the Fish and Wildlife Service. Our first three student trainees are serving at the Horicon National Wildlife Refuge, the Fergus Falls Wetland Management area, or the Twin Cities regional office. These traineeships quite clearly enhance the professional experience and career opportunities of the outstanding students who are selected.

The department has gained a faculty member during the past year and lost one to retirement. Dr. Anne Kapuscinski joined the fisheries faculty in August as an aquaculturist with a specialty in fish genetics. She previously worked on population genetics of pink salmon at Oregon State University and managed the chum salmon hatchery there. She also worked for Weyerhaeuser Company's freshwater prawn rearing facility in Florida. Yes, Weyerhaeuser does raise more than trees. Anne will be teaching the aquaculture course and doing research on fish genetics. She also has a strong interest in the philosophy of science and may occasionally conduct a course or seminar on that topic.

Dr. L. Daniel Frenzel retired from the University on January 1, 1985, after 15 years of outstanding service as the undergraduate student advisor, teacher and researcher. To most undergraduates Dan was probably their first and best known faculty member. Dan plans on spending much of his retirement "leisure" writing-up the results of his years of bald eagle research.



Ira Adelman

As part of the land-grant university mission of service to the State of Minnesota, faculty members in the department frequently undertake research projects aimed at solving regional problems. Two of these projects have received considerable attention in the mass media during the past year because of their controversial nature as well as their importance. Dr. James Cooper, as a part of his continuing studies on urban goose populations, has undertaken research to test methods of reducing Canada goose flights through the aircraft approach and take-off air space at the Twin Cities International Airport. Geese flying through this airspace pose a considerable safety hazard, particularly in late summer and fall. In a related project around Lake of the Isles in Minneapolis, a management plan resulting in reduction of the goose population became controversial because of conflicting public desires for the amenities of urban geese versus nuisance conditions in public and private areas.

Dr. George Spangler has undertaken research on a topic which has been controversial for many years. His project to examine impacts of current and historical exploitation patterns on Lake of the Woods walleye was originally designed to provide a rational means of allocating the catch amongst sport and commercial fisheries. When the political decision to eliminate commercial fishing was reached, the focus was shifted to provide information for management of the sport fishery. The controversy surrounding this project involves the historical conflicts between sport and commercial fishers as well as conflicts over jurisdictions and interpretations of data in fisheries management decisions.

Controversy in both projects exemplifies the economic, social and political elements of natural resource management. Because lack of public acceptance of fisheries and wildlife management programs is frequently an obstacle to successful implementation, the department is seeking ways to incorporate more economic and sociological information in our teaching and research programs.

In another area of interest, undergraduate enrollment seems to have stabilized over the past three years at about 100 students, whereas enrollment in other departments in the natural resource areas continue to decline. Interestingly, the disparity in numbers between the fisheries and wildlife majors seems to have become even more skewed toward wildlifers. The predominance of wildlife majors over fisheries occurs nationally and is not just a Minnesota phenomenon. In view of the far greater competition for wildlife positions, the department encourages uncommitted students to consider a fisheries major. Based on the limited feed-back we get from graduating seniors, it seems as if employment possibilities improved last year with most of the 1983-84 graduates having gone on to graduate school. Most of our recent department graduates with an M.S. seem to have gained employment in their respective fields so the optimistic prediction on employment I made in last year's Peavey may be at least temporarily coming true.

FISHERIES AND WILDLIFE

Faculty and Staff



Thomas Waters

Director of Graduate Studies for Fisheries. Research includes stream ecology and secondary production. Teaches Fishery Management in Inland Waters.



Peter A. Jordan

Teaches senior wildlife course in the environmental interactions of wildlife and the management of habitats for wildlife; also teaches graduate-level course in large mammal biology and management. His research focuses on mammalian herbivores—moose, deer, beaver, etc. and their impacts on plant communities. Specific projects include aquatic feeding by moose; implications of silvicultural practices in Minnesota on moose forage, and problems associated with urban deer populations.



George Spangler

Research includes fishery population analysis and modeling predator-prey interactions. Teaches Ecology of Fish Populations.



Yosef Cohen

His is involved in ecosystem modeling and competition in aquatic ecosystems. He teaches Wildlife Ecology Management: Planning, Policy and Administration.



James Cooper

Teaches Wildlife Ecology, Management II: Populations. Research: incubation behavior of North American waterfowl; ecology and management of Canada geese; waterfowl ecology in an urban environment. Director of Wildlife graduate studies.

not pictured

Daniel Frenzel

Retired January 1, 1985

Anne Kapuscinski

Research includes fish genetics. Teaches Aquaculture.

James Kitts

Extension Specialist in Wildlife.



Secretaries

1985 Graduates

Scott Alan

Jon Grimley

Peter Marshall

David Neitzel

Lori Nordstrom

Douglas Roster

Jeanne Witzig

Nathan Schuldt

Robert Fifield

Norma Essex

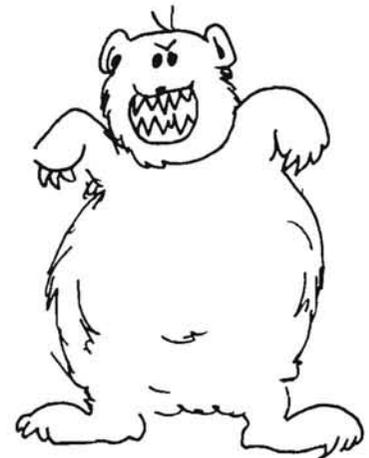
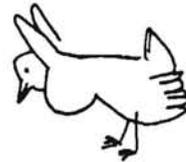
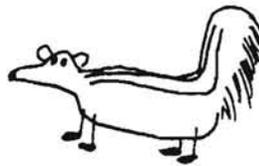
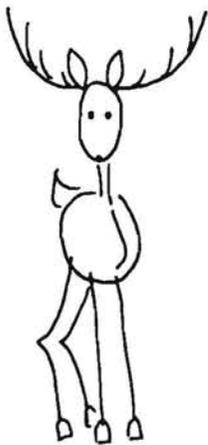
Jo Schroeder

Roslyn Zippa

Wayne Winkelman



Wildlife?



MINNESOTA

WILDLIFE



FOREST PRODUCTS

Department of Forest Products

1984 In Review

Jim L. Bowyer
Professor and Department Head

1984 was a year marked by personnel shifts and exciting research related developments. At the end of June, John Haygreen stepped down as Department Head, a position he had held since 1971. John remains a member of the faculty, and has assumed a larger instructional role while taking steps to expand an already ambitious research program. Under John's leadership, the Department of Forest products grew significantly and gained a national reputation for quality. During the 1971-1984 period student numbers increased from 30 to 98 undergraduates and from 12 to 27 graduate students. The number of forest products faculty increased from 7 to 10 over the same period.

In October, Ron Neuman accepted a job as program leader of the new pulp and paper program in the Chemical Engineering Department at Auburn University. Ron will leave us in March ('85) and will be remembered as one of the most successful researchers and fundraisers in the Department's history. Word has it that deep discount prices are available from the Neumans on snow shovels, cross-country skis, and similar equipment!

The sound of carpenters at work could be heard around Kaufert Lab in April when a section of the roof was removed to allow installation of a new 1,500,000 pound capacity press. The press, which was conceived by Dr. Haygreen and designed and built by American Hoist and Derrick Corp., is part of a DOE funded effort to significantly increase the heat value in wood fuels through dewatering. A noticeable bump, that houses the top of the three story high press, now graces the laboratory roofline.

Earlier efforts to design a shear test device for composite wood products that would eliminate the time consuming and messy process of preparing IB shear blocks for testing began to pay off in 1984. A patent application was filed by Henry Hall and John Haygreen in the Fall, followed by manufacture of the first commercial model of the device. The new Minnesota Shear Tester (MST) is expected to find worldwide application in the wood composite products industry and will likely result in a substantial royalty income to the College of Forestry.

A number of faculty were involved in applied research and technology transfer activities in 1984. One such effort involved establishment of a demonstration project at Itasca Community College in Grand Rapids to establish whether Shiitake mushrooms can be raised profitably in the State. Dr. Schmidt serves as the scientific advisor to the project which is funded by a three year grant from the Blandin Foundation in cooperation with the Itasca Development Corporation, North Central Experiment Station, and the Agricultural Experiment Station may lead to new income generating opportunities for area residents. An effort in the technology transfer category involved Dr. Hendricks, who conducted a series of seminars for building inspectors, contractors, and tradespeople dealing with design and installation of wood foundations. Some 1,500 people attended sixteen such seminar sessions.



Jim Bowyer

A new course, "Building Materials Estimating" was developed this year and offered for the first time in the Spring Quarter. Taught by Bill Ziemer from Lyman Lumber Company, this course adds an important dimension to the education of both marketing and production management students.

The pulp and paper program will receive a boost with the addition of a full time position in that area. Two search committees were formed in the Fall. One of these is working to locate an individual with a background in chemical engineering/paper science to work in teaching and research (to replace Dr. Neuman). The other committee is advertising to fill a 9-month position that would carry with it responsibilities for teaching and industry liaison; one of the requirements for this position is at least five years of pulp and paper industry experience.

Invitations went out in November to a number of industry leaders asking them to serve on a *Marketing Program Advisory Committee*. This group will serve as a vital link to the wood products distribution industry and will review and recommend changes to the marketing specialization.

The Cooperative Education Program continued to expand in 1984. The program, which offers students a chance to work alternate six month periods in a management oriented, on-the-job training program, and at the "U" working toward their degree, is becoming popular for increasing numbers of students and forest products firms. The latest company to become formally involved in the program is Alaska Truss and Millwork Company in Anchorage, Alaska!

Student Chapters within the Department were active in 1984, and a number of students participated in regional and national professional meetings. Five members of the TAPPI student chapter attended the national TAPPI convention in Washington,

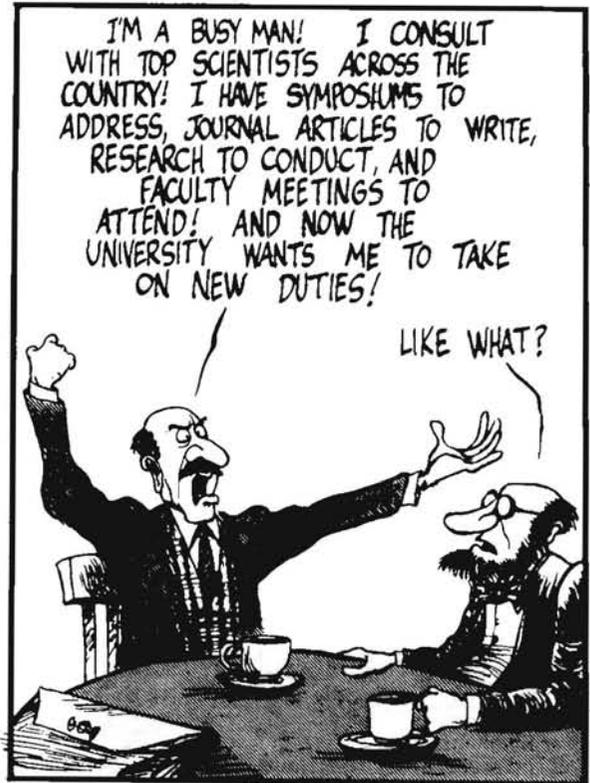
Eight members of the FPRS student chapter attended the FPRS national convention in St. Louis in June. Activities of the FPRS-FPC in 1984 include the annual student-faculty cookout and production and sales of wood I-D kits.

When production management graduate Beverly Eckhoff left in December to become technical director of the Superwood Corporation plant in Phillips, Wisconsin she also left behind a record of leadership and academic excellence that will be difficult to surpass. In addition to achieving a 3.6+ grade point average, Beverly was active in the Forest Products Club and Student-Faculty Board, was Editor of the 1983-84 Gopher-Peavey, and served as a girl scout leader in a local troop. She received the Andersen Corporation, Augustus Searles and Pace Products — Eugene Wengert scholarships and was awarded the University of Minnesota President's Leadership and Service Award as well as the College of the Forestry Henry Schmitz Leadership Award.

That about sums up the news from here. Should you find yourself in the area be sure to stop by. You may want to talk with Dr. Gertjeansen about his secret hole for lunger northers or with Dr. Erickson to find out where he *really* goes every winter. Oh, and be sure to ask Harlan Petersen about the bowling team! Recent graduates may be interested to learn, incidentally, that Dr. Sarkanen is finally coming to be affected by the cold like the rest of us; his window was only seen in the full open position about half of the days in January and he was even observed wearing gloves on several occasions!

Hope that all of you have a happy, productive, and prosperous 1985!

D.C. in February. In addition, chapter members made trips to Brainerd, Cloquet, and Grand Rapids to participate in Minnesota TAPPI meetings. Students also were treated to an extensive tour of the Champion International mill in St. Paul, in the Spring. Student TAPPI chapter president David Falk was selected by fellow students as outstanding chapter member for 1984-85.



Secretaries

FOREST PRODUCTS

Faculty and Staff



Roland Gertjejansen

Teaches: Pulp and Paper Technology, Wood-Base Panel Technology, Pulp and Paper Process Laboratory, Advanced Topics in Panel Products Technology. Research: Utilizing Lake States Hardwoods for Structural Panel Products.



Harlan Petersen

Extension programs focused on forest products utilization and marketing, consumer education and industrial/commercial use of wood for energy. Responsible for the undergraduate program in Forest Products Marketing, including teaching Wood Frame Building Systems and Materials, Forest Products Marketing and conducting the annual Wood Industry course.



Simo Sarkanen

Course instructor for: Wood Chemistry I, Wood Chemistry II, Adhesion and Adhesives, and Graduate Seminar. Research: Physicochemical Properties of Byproduct Lignins, Chemicals and Engineering Plastics from Renewable Resources.



Henry Hall

Student interaction includes lecturing ForP 5307, Wood-Base Panel Technology, and Safety briefing for those needing to use Kaufert Lab's woodworking equipment. Current projects include inventorying the chemicals in the Forest Products Department and obtaining material safety data sheets; writing manuscripts relevant to the Minnesota Shear Tester (MST) and coordinating efforts to get it to market and into the hands of particleboard manufacturers. Currently is writing new sections for the ASTM D 1037 Standard to incorporate the MST into the Standard; and is preparing proposals for funding through the USDA competitive grant program.



John Haygreen

Teaching Mechanical Properties and Structural Design and Analysis of Production Alternatives. Research activities involve development of a compression drying process for wood-chip fuels.

Bob Erickson

not pictured

Teaches Wood Drying and Preservation Processes and Wood Based Materials in Housing Construction. Research includes energy conservation in lumber drying, improved processes for lumber manufacture, analysis of drying stresses in lumber, problems in structural members of houses due to moisture movement and the study of perpendicular-to-grain creep in first dried wood.

1985 Graduates



Anthony Algiers



Andrew Jung-Ihn Hyun



Beverly Eckoff



Stanley Roeber



Darrell Glowacki



Donald Nienas



Kenneth Pagano



David Gustafson



Hugh Roberts



Eero Mattson



James Elshoff



Julie Pawlikowski



Gerald Lipovetz



Kevin Ward



Mark Strohfus



David Falk



Ruchi Ranjan Chakrabarty



Mark Abel



Theodore Johnson



Michael Gustafson

not pictured

Anne Bartz

Robert Ribich

Geno Campobasso

Paul Stangl

Ronald Sweep

GRADUATE STUDENTS



FOREST RESOURCES



Forest Products

TAPPI

David Falk

Officers for 1984-85:

President	David Falk
Vice-President	Mark Strohfus
Secretary	Mike Gustafson
Treasurer	Keith Sowada
Events' Chairman	Ted Johnson
Faculty Advisor	Rollie Gertjansen

TAPPI is the acronym for the Technical Association of the Pulp and Paper Industry. It is the world's largest professional association serving the pulp, paper and related industry. Its objectives are to promote education in the science and engineering of pulp and paper manufacture, and to encourage the professional development of students preparing for careers in the pulp and paper industry.

Our activities as a Student Chapter includes: attendance at TAPPI local section meetings, monthly meetings, guest speakers, mill tours, and attendance at the TAPPI Annual Meeting, which will be in New Orleans in March 1985. Since our Student Chapter is relatively small, the opportunity exists for our members to get involved and to develop strong friendships.

"It should also be noted, the group consists of several frustrated males who are willing to take on any female this side of the grave," (author wishes to go unnamed).



St. Paul Student Center Board of Governors

Laura Held

When you hear someone say, "I'm a St. Paul Student Center Board of Governors representative," what do you think of? Maybe a small group of 3 piece business-suit types getting together in a stuffy stateroom laying down rules? Well, let me shed a new light on exactly who, and what a representative of the St. Paul Student Center Board of Governors is and does. The representatives range from students to faculty members. These members of the Board are elected from each of the five colleges on the St. Paul campus and the graduate school, along with selected faculty members, alumni and Student Center staff.

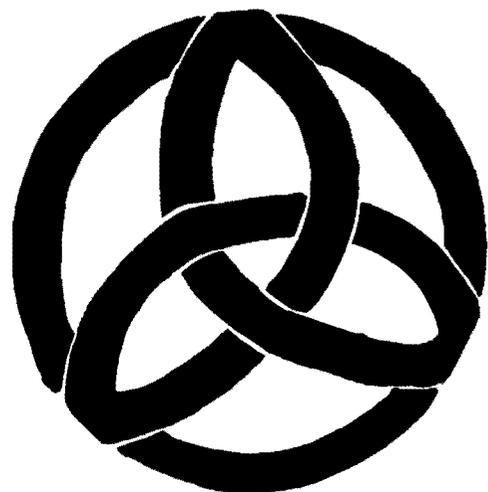
Board members determine the policies and programs that will be put into play at the St. Paul Student Center. Whether it be arranging for an artist to come in and show their work, outdoor recreation, educational movies at the theatre, or which days the information desk will have fresh popcorn for sale.

The St. Paul Board of Governors is currently a branch of the Department of the Minnesota Union. In Partnership with Coffman Memorial Union on the East Bank and also the West Bank Union, it strives to meet the extra-curricular needs of the Twin Cities, students as well as the public.

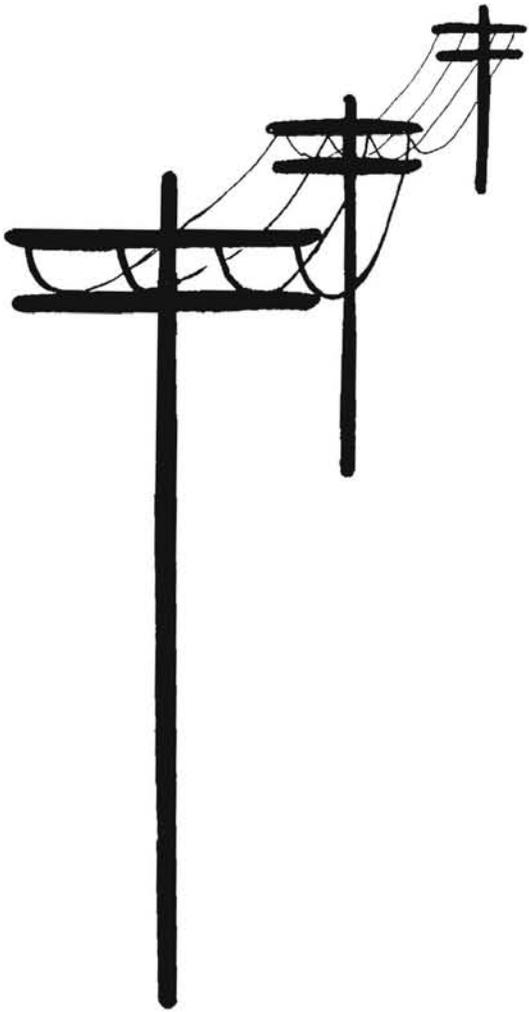
Student fees, along with earned and some donated income, provide the support with which the Student Center Board of Governors operates.

Time devoted to the Board is strictly voluntary and that is the key to the success of the Student Center programs and events. Whether your interests lie within the arts, current events, social activities or outdoor recreation, the Student Center offers a place where you can become involved.

The 1984-85 Board members from the College of Forestry are John V. Bell, faculty representative and students Frank De La Rosa, Laurie Bennett and Tom Maertens. Frank and Tom were recreation committee members and Laurie was Vice-President. The students feel that being on the Board of Governors has strengthened their ability to relate to others. "It's the perfect way to meet new people who share your interests, plus develop valuable planning and organizational skills."



MINNESOTA UNION



FOREST PRODUCTS
CHRISTMAS TREE PLANTATION





FOREST RESOURCES

Department of Forest Resources

“Gearing Up for Minnesota’s Next Forest”

*Alan R. Ek,
Professor and Department Head*

Programs in the Department of Forest Resources have undergone considerable change in the past year. These changes include three new faculty members, new courses and rescheduling of existing courses, some new research thrusts, and an expanded continuing education program.

Dr. Charles T. Blinn, Assistant Professor, was the first new faculty member to arrive. He arrived in May of 1984 to serve as an extension specialist and researcher in the area of forest management, marketing and harvesting, with particular emphasis on microcomputer applications in forestry. With his help, we expect to see many software packages geared to forestry professionals coming out in the near future.

Rick Iverson arrived in July of 1984 to assume the forest weed control specialist position in the newly initiated forest weed control cooperative supported by the Blandin Foundation, the Department of Natural Resources, and others. Rick comes to us with considerable experience with industry in the South and West. Rick has begun to create order out of uncertainty and occasional chaos in the area of weed control, particularly herbicide applications in forest management. Rick will be operating out of the Cloquet Forest Center. Professor Edward Sucoff was the faculty leader in initiating this cooperative.

Dr. Thomas E. Burk, Assistant Professor, arrived in February 1984 to take on instruction and research in forest measurements and biometry. Dr. Burk comes to us from Virginia Polytechnic Institute and State University where he taught and conducted research in the area of forest biometrics and served as an experimental design consultant.

Dr. Merle Meyer will be retiring in June of 1985 after a long and very distinguished career in remote sensing. His internationally recognized expertise in aerial photo interpretation, research, and instruction, plus his exceptional knowledge of 35mm applications in forestry have been an important asset to our program. Actually, we doubt that Merle will “take it easy.” We suspect he is going to expand his consultation on remote sensing applications to an even broader audience. This spring, for example, he will spend two months as a guest instructor for the People’s Republic of China teaching 35mm aerial photography techniques. This will be his second year of involvement in such efforts there.

On the international front, Professor Dietmar Rose is back from a Kellogg Foundation Fellowship study program in South and Central America. Dr. Ken Brooks has also been on sabbatical as a fellow in the East-West Environment and Policy Institute in Hawaii considering international aspects of forest



Alan Ek

watershed use in developing countries. Professor Hans Gregersen continues to play a pioneering role in planning forestry projects in developing countries. As a result of these experiences, students will see new course offerings that consider international forestry.

The past year has also seen the development of a Center for Natural Resource Policy and Management that is cross-campus in scope, but located in the Department of Forest Resources as an administrative home. Dr. James Perry is the Director of the Center.

In the area of instruction, there have been several changes to ease the scheduling plight of transfer students, particularly in scheduling courses in the winter quarter of the junior year. There is also an effort underway to refine offerings in the forest biology area to that more students can obtain ready access to important combinations of forest ecology, silviculture, and special topics such as forest genetics, tree physiology, and intensive silviculture techniques. Dr. Ed Sucoff has also organized a biology colloquium with special topics each quarter. The first such offering focuses on acid rain and its implications.

The program in recreation resource management has been highly active in instruction during the past year. Seniors in the Resource and Community Development Seminar are developing a recreation plan for the community of Buhl on Minnesota’s Iron Range. This seminar course also involves students from the Landscape Architecture, Soils and Agricultural Economics. The class is working cooperatively with the City of Buhl and the IRRRB.

Forest Resources

Faculty and Staff

The curriculum in urban forestry has been enhanced recently by Dr. Robert Dixon's instruction in the Urban Forest Management course and by the incorporation of urban forestry problems in Professor Frank Irving's course on administrative processes for natural resource managers. Also, Dr. John Ball from the Horticultural Technology program at the University of Minnesota at Waseca has helped by his participation in these courses and by offering a weekend arboriculture short course for urban forestry majors.

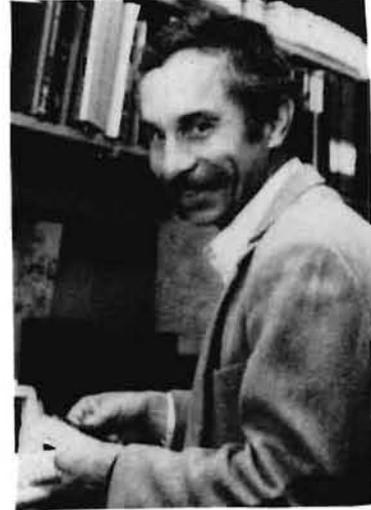
Visitors will also notice an expanded microcomputer facility incorporated into the College of Forestry computer facility. Students are seeing an increased emphasis on the use of microcomputers in their course work in measurements, economics, and remote sensing, both in St. Paul and at Cloquet.

Minnesota's next forest and the state's economy may be heavily dependent upon research activities initiated in the near future. Thus during the rest of this decade we will be emphasizing research on intensive silvicultural systems as well as improved utilization of existing timber stands. Alas, our hydrology and forest biology staff are giving the study of acid deposition high priority and biotechnology applications, particularly in the forest regeneration area, are receiving increased emphasis. This biotechnology initiative includes microprogration techniques for mass production of superior genotypes and mycorrhizal fungi inoculation of seedlings to enhance regeneration success. The energy issue is also being addressed at a range of levels including silvicultural opportunities, utilization potential, and economic factors.

In the area of resource analysis and planning, Professor Paul Ellefson is focusing on a review of state forestry programs and policies. The Remote Sensing Laboratory, under the direction of Professor Marving Bauer, is focusing on geographic information systems development, especially that which can handle digital image data and the kinds of inputs needed for timely resource management planning analyses.

Coupled with this research emphasis is an increase in the number of continuing education offerings by departmental faculty. During the next year you will see short courses offered around the state on topics such as trail development, tree care and pruning, experimental design and field trial, economic analysis of forestry projects, and many others. These represent an increased level of interest by the faculty in outreach through the department and its extension capabilities.

This has been a very exciting year and one of considerable promise. There have been questions from state government concerning priorities in education, research, and extension. It appears that forest management is receiving a high priority. We anticipate the latter half of this decade should be one of substantial new challenges and growth in our programs.



James Perry

Leads the Forest Water Quality Program. This program includes research on carbon cycling in lakes and streams, acid deposition effects in aquatic systems, water quality monitoring designs, and international watershed management. Recent work includes travels through Thailand, Pakistan, India, Sri Lanka and Nepal. Results of these research efforts are translated to students and the public through published reports and through the water quality class: Forest Water Quality Management: Ecosystem Perspectives.



Merle Meyer

During June-July last year, presented a one-month training course in 35mm aerial photography in the People's Republic of China. Will return there during the spring quarter to do an applications followup project on the Panda Bear Reserve in west China. After that (i.e. June 30), I shall retire from the University!



Paul Ellefson



Edward Sucoff

Teaches a great group of students in Tree Physiology, Tree Physiology Lab, Acid Rain Colloquium and Field Ecology (Itasca). Currently is involved in the development of Minnesota Forest Weed Control Program. Current research includes the effects of soil aluminum (mobilized by acid deposition) upon the tree growth and root function, and methods of diagnosing dehydration in planting stock and reversing the harmful effects.



Ken Brooks

Returned in July '84 from 1-year sabbatical leave at the East-West Center in Honolulu. Now getting back to teaching (Forest Hydrology, Advanced Forest Hydrology and Forest Hydrology — Field Applications) and research. In addition to field research and computer modeling studies on Peatland Hydrology — also involved in several international training/research activities with FAO and USAID.



Vilis Kurmis

Current research deals with productivity, reproduction, and succession in Black Ash and White-Cedar communities of Northern Minnesota, and vegetation changes in upland forests of Itasca State Park. Teaches Field Ecology at Itasca Park, Forest Ecology in Green Hall.



Larry Merriam

Teaches Management of Recreational Lands, Forest Recreation Planning (Cloquet), Recreational Land Policy and Interdisciplinary Seminar for RRM students. Current research includes: BWCA campsite impacts, Voyageurs National park use and development, management policy for minor state parks in Minnesota, implications of management and use of the Bob Marshall Wilderness, Montana (1960-1985).



Hans Gregersen

Teaches forest economics courses. Current research deals with forest and economic development of less developed countries, evaluation of forestry research and the process of technological innovation in forestry.



Carl Mohn



Dietmar Rose

In 1982 Professor Dietmar Rose was chosen as a Kellogg Foundation Fellow which gave him the opportunity to pursue one of his more recent interests, international forestry. With funding from this fellowship and a Bush Foundation grant, he spent his sabbatical year in Latin American working and studying tropical and subtropical forestry in the developing countries there. His new course, The Role of Renewable Natural Resources in Developing Countries, which will be offered for the first time during spring Quarter of 1985 in cooperation with Dr. Gregersen is one of the results of that year. In addition, Dr. Rose teaches Timber Management Planning and Quantitative Techniques in Forest Management. His current research interests include forest planning models, regional timber supply modelling and development of management information systems for efficient dissemination of forestry research information worldwide.



Carl Vogt

Extension Forester



Tim Knopp

Teaching courses in recreation land design and planning, analysis of recreation behavior, and an interdisciplinary seminar in resource and community development. Research interests are focused on policy and decision making in the allocation of recreation resources, outdoor ethics, and tourism. Has a strong interest in the promotion and development of trails for hiking, cross-country skiing, and bicycling.



Mel Baughman

Forest Resources Extension Specialist and Program Leader, Renewable Resources. Arranges continuing education courses for natural resource professionals. Teaches classes and writes publications for private woodland owners on forest management, taxes and silviculture. Conducts research on forest land property appraisal methods.



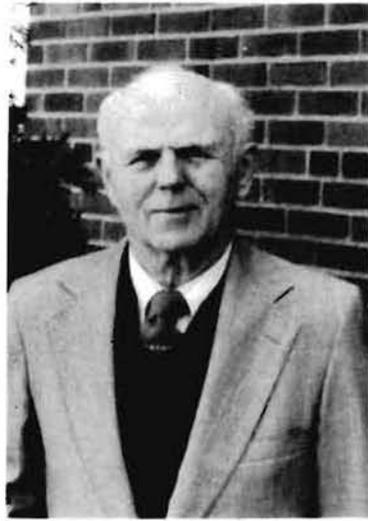
Scotty Scholten

Research: tree and shrub species, of known sources, being tested for use in farmstead shelterbelts, field windbreaks, and under center pivot irrigation systems. Working on designs of shelterbelts to reduce snow damage on young trees and design of windbreaks to get more uniform snow distribution over cropland.



Frank Irving

Teaches: Administrative Processes, Forest Fire Management and Techniques of Prescribed Burning. Research: control and use of fire in land management. Also involved with Minnesota DNR — Scientific and Natural Area Advisory Committee; Prescribed Burn Policy and Guidelines Committee, Minnesota Chapter of the Nature Conservancy — Board of Trustees.

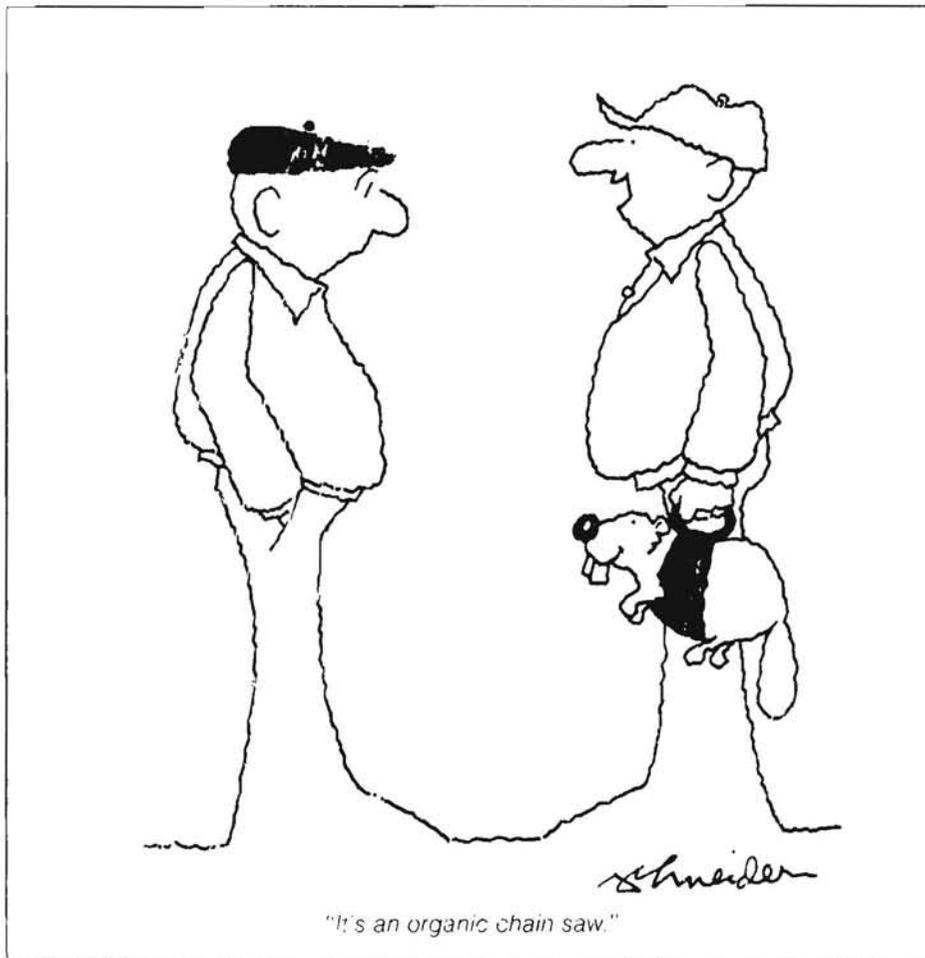


Henry Hansen

Retirement has meant keeping about as busy but doing things of my own choosing. I enjoy the free time to swim at the campus gym, to work on our tree farm and to take part part in some cultural affairs I never had time for while working. I try to keep up professionally by reading, attending selected seminars and activities with several forestry organizations. Summers are never long enough what with our Leach Lake cabin, travel, retirement parties, reunions and family get-togethers. It's a good life.



Egolfs Bakuzis





Steven Smith

1985 Graduates



James Gustafson



Brian Smith



Edward Dzobuku



Timothy Morin



Mary Porter



Paul Charlton



Bruce Popowitz



John Boyne



Joseph Taylor



Maryanna Johnson



Leon LaVigne



Loren Eide



David Delay



Linda Williams



Scott Kittleson



Thomas Murn



William Gimler



Kathryn Stegemoeller



Joel Strafelda



Paula Lamke



Dana Frame



Mark Fedora



Nduka Omeoga



Cindy Miller



William Bahl



Mary Rice



Cam Boeck



James Tischler



Scott Larson



David Skurla



Donald Tenney



Ben Skinner



Richard Tyler



David Edwall

NON-GRADUATING SENIORS



JUNIORS



Job Outlook

Alan Ek

The availability of temporary and permanent jobs in the broad area of *forest resource management* is improving. Briefly, there has been a gradual trend downward in forestry enrollments nationally over the past decade from an all time high point following the "E" Day Celebration of 1972. That high enrollment was a departure from the steadily rising forestry enrollment trends observed since the early 1900's. However, other large fluctuations in enrollment also occurred just before and after World War II. Corresponding with the recent decline in enrollments is the fact that federal agencies, which have not hired many new people in the last decade, have an age class imbalance that will likely lead to many retirements and open positions as we approach the 1990's. Along with that we should see increased concern about environmental issues; in part due to public concern on issues such as acid rain. We are also moving towards the end of a federal administration that has emphasized the nation's economy over environmental issues. At the same time we are seeing a modest growth in county and other local natural resource agencies and the stabilization of the hiring in forest industry and state governments. Improvements in local economies should increase the opportunities in urban forestry. We also expect to see an increase in opportunities for forestry and natural resource management and training in the international arena, particularly in developing regions of the world.

What does this mean for the student now? It still means you must work at the business of getting a job. It is a competitive job market but the majority of Forest Resources graduates do obtain permanent forestry or forestry-related employment. For example, a survey of 1984 B.S. graduates three months after graduation showed 72 percent had permanent or temporary positions in forestry or related areas. Of these, 32 percent had permanent positions and 40 percent had temporary positions. Another 10 percent of the graduates entered graduate school and 13 percent chose permanent employment outside of forestry. Experience indicates that more than half of those holding temporary positions obtain permanent employment within two years of graduation. Overall, this indicates a success rate for permanent employment and a retention rate in the field of forestry that is high relative to many other fields of study.

Important to job seeking success are four key items: (1) related summer job experience, (2) flexibility in the job search, (3) good grades and (4) strong communication skills and interview performance. For those starting out in a temporary position, you will want to continue the job search by building a base of related experience and developing a network of employment contacts.

What does this imply for your study program? It means that you need to be aware of the skills that these various sources of employment are looking for and to work towards strong academic performance, accumulate experience in terms of course work and summer employment, and practice at the art of presenting yourself and your skills to prospective employers. In short, the opportunities are there, you need to prepare yourself to locate them and to meet them with enthusiasm. We trust you will do so, and we look forward to meeting with you as alumni carrying out important functions for our society.



Hydrology moisture content project



**ED TOWALD, AN UNEMPLOYED FORESTER,
WHILES AWAY THE HOURS BY OFFERING MEGABUCK
JOBS TO UNSUSPECTING I.T. SENIORS.**

Cloquet, Cloquet

Paula Lamke

“Start spreading the news, we’re leaving today,
We want to be a part of it, Cloquet, Cloquet.”

Welcome to the College of Forestry’s beloved retreat, where it only rains the days you have to inventory 400 acres of hazel, the white-tailed deer is only a myth, and the food makes Itasca look like a P.O.W. camp. This wilderness haven was invaded this year by 52 seniors who until this time knew only of moth-sized mosquitoes and green spaghetti, and who thought the museum was where Gordy Gullion kept his ruffed grouse collection. But such was not to be.

Of course there were the classes. If we had to measure streamflow, it rained. If we had to distinguish coverts from the lookout tower, it snowed. There was always an abundance of goshawks chasing the grouse around. And we’ve probably seen every kind of feller-buncher ever made.

Then there was the entertainment. Monday night football and bonfires brought the gang together, as well as our outings to the local museum. Cabin 37 became a local point of interest, and there was a snowman who loved to freeze himself in front of cabin 42’s door.

There were the animals. Djarem was the kitten named after Katie’s favorite cigarettes, Smokey was the puppy named after you-know-who, and Huey was the one that kept the heart of rock-n-roll still beatin’.

But there were the people that made Cloquet something we’ll never forget: the masked marauder who “clearcut” someone else’s Silviculture stand; Danny and Green, who made the museum a fun place to go; the volleyball and football team teams that played in any kind of weather; Dr. Meyer was easy on us because it was his last quarter at Cloquet, and Dr. Ek who wasn’t; Buzz Ryan with his old-time forester stories; and everyone else who was there. We all got through it together (the first time!), and I’m sure, sometime we’ll all wish we could go back.

“If I can make it there I’ll make it anywhere,
It’s up to you, Cloquet, Cloquet.”

The Itasca Experience

Mary Lazor

Where the Mississippi river begins its 2,552 mile journey to the Gulf of Mexico, and where red squirrels chatter their alarm by day and ‘coons munch acorns by night is a place called the Forestry and Biological Station in Itasca State Park — an appropriate classroom setting for Forestry students.

Here, surrounded by virgin pine stands, 31 future foresters (25 men and 6 women) were led through bogs, over bear trails, down earthen stairs into soil pits, and up into trees by faculty Vilis Kurmis, Phil Splett, Ed Sucoff, Scotty Scholten and assistants Jeff Stone and Eric Kruger. We identified important forest plants such as buckbean, joe-pye weed, and the pitcher plant. We handled the soil to determine textures such as sandy loam and loamy sand. And finally, we used such field equipment as a hand compass, diameter tape, 100’ tape, hypsometer, and a BAF prism, to estimate the volume of timber in a 20 acre tract.

A change was made this Itasca session, shortening the otherwise 4 weeks to 3½ weeks. Consequently, the courses were concentrated and intense at time. Not much time was left to do laundry — especially with one coin operated washing machine to 31 students. Many would have liked the Itasca session 4 weeks long to have the time to leisurely tour Itasca State Park. One such chance was though to be Labor Day. However, we missed out on that holiday due to classes.

Each day after supper when K.P. duties were finished, it was time to let loose. Most everyone contributed a hand, foot or head playing hacky sack, soccer, and volleyball. Occasionally, a doe and two fawns approached to watch. A few canoeists plied the waters of Lake Itasca. For some, it was Miller time at bars in Bemidji, the Northway Club, or in cabin #26.

Forest regeneration and how it is accomplished was an important lesson we learned from several foresters on the field trip we took visiting successful and unsuccessful sites of red pine seedlings. We saw and smelled the result of chemical usage, one of several site preparation methods.

Included in this field trip was a visit to Mr. Carlson’s greenhouse where he grows a large number of quality conifer seedlings for forestry projects in the surrounding counties. Mr. Carlson had the thoughtfulness of giving us two spruce seedlings, which we planted by an elm stump near cabin #25. The spruce nearer the lake was named Scotty and the spruce nearer cabin #25 was named Vilis during a tree planting ceremony headed by forestry student Quintin Legler.

Sprucing up the station grounds was the only way to end Itasca session ’84, especially after learning the importance of forest regeneration. With good luck the two gift spruce seedlings will look forward to many more Itasca sessions. Most would agree Itasca session is one of the better classroom experiences at the U of M.



Memories of Cloquet

Tom Hagedorn

To many people, the day of September 9, 1984 was just another day in the history of the earth. To some 50-odd Forestry students, however, this day was anything but ordinary: it was the beginning of an ordeal which was to last ten whole weeks!

Merle Meyer started the session off with Remote Sensing. A few days were spent in the lab with stereoscopes, trying to delineate cover types on aerial photographs, and a few evenings were spent trying to readjust our eyes after using the stereoscopes. Eventually, we were relieved from the tedium of lab work, only to go out in the field armed with aerial-photos, a map, our trusty "Silva Ranger" and our rain coats. Our task was to locate and verify various forest cover types according to our maps and to track down the ever-ellusive "40" markers.

Next in line was Alan Ek with Forest Resources Inventory. While this class brought with it beautiful weather, it also brought with it miles of walking as we located plots for volume estimates. Every morning during this course we waited for any mention of the dreaded "bag lunch," since this meant we would be out in the field walking again.

The first field day for Ken Brooks' Hydrology was well-timed. After all, what goes better with the study of water than freezing rain? This course also allowed us the opportunity of seeing Tom Gulletts study on peatland hydrology, and provided a hands-on experience with turd excursions.

Of course at some time during every field session there has to be a soil pit, Cloquet was no exception. Bob Dixon taught the class in Field Forest Soils, with a course on hardwood silviculture mixed in. While some groups were busy examining "B" horizons, or thinning their stand, other groups were busy initiating what was later to be called "The Great Acorn War." As with all wars, it was a trivial matter that started it. Soil Pit #3 was looking for some easy plunder from Pit #4. This gave #4 the excuse it needed to expand its territory into that of #5, and the war goes on!

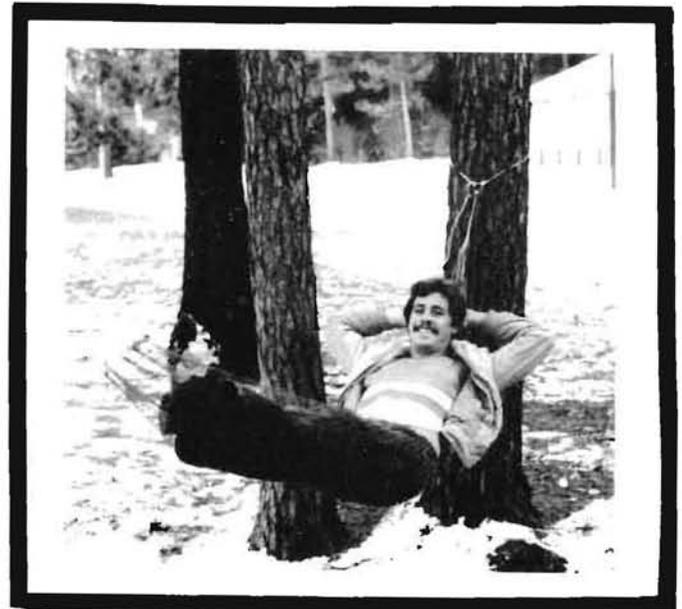
Silviculture, taught by Al Alm, was probably the high point of Cloquet. It's not that the other classes didn't have merit, but Silviculture gave us the chance to tear each other apart during the cross-examination of compartment exams (although some military minds may insist that this was one of the two most important classes we would have during our career as forestry students. The other important class would be Silviculture 5100 (also taught by Dr. Alm).

Wildlife Management, with Gordy Gullion, brought a chance for a few easy bucks. After the first lecture, everyone was out on the roads of the research center for road-killed, predator-killed, or otherwise-killed grouse, trying to collect the bounty that Dr. Gullion would pay for them. It didn't take us long to realize that a student-killed grouse looked almost identical to road-killed grouse, but the few dollars paid as bounty didn't encourage the "Great Grouse Hunt" for long.

Harvesting class had its ups and downs too, and as we traveled the backroads of the countryside with Scott Reed looking for a feller/buncher operation, we found that this was literally true.

Last, but of course not least, was Larry Merriam's Recreation Class. After a brisk but slippery walk along the Voyageur's trail at Jay Cooke Park, and after 50 students have completely rearranged the facilities at the Research center to provide a good recreational experience for sightseers, what more can we learn?

All in all, Cloquet was a memorable experience. It combined the sometimes hard or tedious work of a classroom with the enjoyable setting of the Cloquet Forestry Center to make these the "toughest classes you'll ever love."

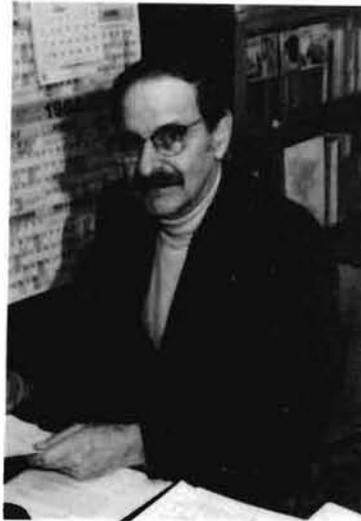


Cloquet Staff



Alvin R. Hallgren

Professor, Coordinator of Cloquet Forestry Center



Bruce Brown

Professor — Ecology, Silviculture



Ronald Severs

Associate Scientist — Forest Manager



Alvin A. Alm

Teaches Silviculture and Senior Silviculture Seminar in St. Paul and Field Silviculture at the Cloquet Forestry Center. Advises a number of graduate students and conducts research in areas of regeneration and site preparation. Has a cooperative research project with Dr. Robert Dixon on mycorrhizal symbiosis. Serves as chairman of Forest Resources Department Curriculum Committee.



Gordon W. Gullion

My current activities are primarily concerned with the response of ruffed grouse and other forest wildlife to forest management, continuing a study I became associated with 28 years ago. Due to the critical importance of aspen to these birds, and many species associated with them in the early successional forest. I have also been much involved in aspen management for the past 20 years. This work has been done in Minnesota and in several other areas from Massachusetts and Vermont to Colorado and Wyoming.



A. Scott Reed

Instructor and extension forestry specialist teaches FR 5248, Harvesting and Engineering during the Cloquet session. He also coordinates the popular Logging Equipment Operation Workshop. When not teaching, he is often in the field with loggers, forest landowners or procurement foresters conducting Extension educational programs. Recent innovation programs include a forest management correspondence course for woodland owners and a comprehensive logging safety training program.



Robert Stine

Research Fellow — Tree Improvement Specialist,
Minnesota Tree Improvement Cooperative



Rick Iverson

Rick is stationed at the Cloquet Forestry Center where he is heading a cooperative program in forest weed control that is being coordinated among industrial, federal, state and county agencies.



Gene Spicer, Mark Anderson Maintenance



**Robin Quigley, Mary Ferguson
Phyllis Bakka, Bonnie Jones** Secretaries

THE RRM CLUB

Martha Lang

Officer for 1984-85:

President	Martha Lang
Vice President	Mark Hebaus
Secretary	David Phillips
Treasurer	Lisa Allison
Faculty Advisor	Tim Knopp

The Recreation Resource Management Club started its year off with the annual barbeque get-together at Tim Knopp's home. Faculty, club members and fellow RRM Alumni were on hand to talk with each other and share some of their past and present experience.

With the middle of Fall Quarter, came talk of how to get involved in the cross-country ski workshop held in January, and what guest speakers would be potentially good to bring in as lecturers.

We also began discussing a trip up to Voyageur's National Park in May. We figured by starting early we were assured of making it up there this year.

As Fall Quarter ended and Winter Quarter began we got together to assemble folders for the cross-country ski workshop. Guest speakers seem to be in the picture too, but later on in Winter Quarter and early Spring Quarter. Finally our trip to Voyageur's is still on and we are looking to traveling up there in May and possibly bringing a visiting professor with us. Hopefully, we will see Voyageur's National Park this year!



University of Minnesota Student Chapter of the Society of American Foresters

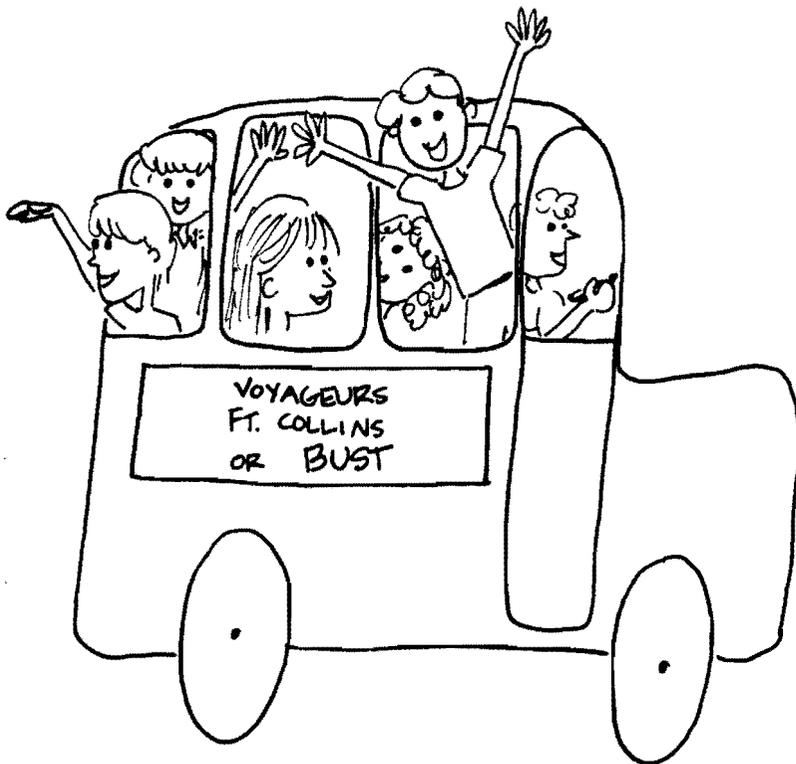
Margaret M. Moore

Officers for 1984-85:

Chairman	Margaret M. Moore
Chairman-Elect	William Olsen
Secretary-Treasurer	Scott Kittleson
Faculty Advisor	Phillip Splett

The University of Minnesota Student Chapter of the Society of American Foresters (SAF) was recently chartered (Fall, 1984). The SAF is "devoted to advancing the science, technology practice, and teaching of professional forestry." A major objective of this chapter is to encourage professionalism among forestry students on becoming members of SAF and increasing their involvement in local, state, and national SAF activities. It also provides an opportunity for students to meet practicing forestry professionals and prospective employers.

The students that participate in SAF have shown enthusiasm and a willingness to make the Chapter an active one. A few of the activities that we have become involved in include: participation with the Southern Minnesota Chapter in the dedication of a "Forest Trail" at the University of Minnesota Arboretum as part of Minnesota Forestry Week, touring the Chipewewa National Forest, and co-sponsoring an extension project. One major event each year will be our attendance at National SAF meetings. This year a van-load of students will cross the Great Plains to attend the National Meeting at Fort Collins, Colorado, in July.



FORESTRY CLUB



No. 1

Kevin



No. 2

Bryan



No. 3

Paula

“Would the real President please stand up!”

1984-85 was a very mobile year for the office of President of F-Club. Three quarters of school saw three acting leaders, which makes for a disoriented confusing year. Somehow, we managed to muddle through without any impeachments or coups.

President No. 1 Kevin Sittauer

Spring quarter 1984 was as successful as I could have hoped for (I am one who hopes for little). Arbor Day tree sales ran its usual course, with F-Club selling about 200 seedlings at booths set up in the St. Paul Student Center and Coffman Union. The next event to raise a challenge to an inexperienced executive board was the Spring Picnic!! A great time where students can cast off burdensome books and join comrades in softball, volleyball, well-seasoned “road kill,” and the “nectar of the gods” . . . BEER. I learned some important things at this points:

- No. 1 Never, under no circumstances, should three people attempt to make enough potato salad for 300 people in 3 hours.
- No. 2 When you ask the Fisheries and Wildlife Club to provide “some venison stew,” count on enough food to feed 400.
- No. 3 Make sure there is enough liquid refreshments for all!! (Wildlife Clubbers anger easily when all the beer is gone before they show up with the grub.)

One of my goals as President was to get more students involved in F-Club. It is not easy. My other goal, which I knew would be a challenge, was to get the faculty involved with F-Club activities as they used to be in the past. It is even harder.

I don't understand the problem. The College of Forestry seems to me, to be very close-knit school, where students are often on a first-name basis with their professors. Faculty is more than happy to spend time with students to visit, discuss class, or advise on scholastic matters. Why is it then, that in general, the faculty have all but ceased to participate in social activities which offer a chance for students and teachers to get together on an informal basis and have some fun together? Perhaps I didn't try hard enough. Perhaps times have changed and the “professional image” sought by the College of Forestry does not allow for these gatherings. Whatever the case may be, I hope it can change, because where a contemporary image is important, it cannot replace tradition. The two should work together instead of against one another.

I had to forfeit my position of F-Club President for personal reasons, but I enjoyed the little time I had. The Forestry Club gave me a chance to meet people with similar interests and participate in a range of activities that not only pertained to my education, but were fun. And what's school without a group of friends and social gatherings? Boring and unfulfilling.

President No. 2 Bryan Pike

Fall Quarter is a very active time of year for the Forestry Club and this year was no exception. It is a time when new friends are made and past friends get reacquainted. This is the purpose of the fall bonfire held each year. The bonfire gives one the chance to meet other students and friends, to talk to the faculty and staff, and of course, to see the Dean possible for the first time (only time?)

As friendships grow in the weeks ahead a little trip is planned for those friends who want a chance to get-to-know one another better. Yes, Conclave. This year the trip was to Columbus, Ohio where everyone was given that chance to get-to-know one another a lot better (maybe too much?)

As the quarter begins to wind up many club members are enticed to help out in the harvesting of the Club's Christmas trees. Hard, but fun work is required by many people before the start of tree sales (\$\$\$). When the last of the trees are sold a few weeks are left before winter quarter begins. Almost everyone will go home for the holidays. Nevertheless, strong and lasting friendships have been made and will continue to grow throughout the school year and far into our forestry (???) careers.



No food or drinks allowed in the Reading Room

President No. 3 Paula Lamke

While Bryan was presiding over St. Paul activities Fall Quarter, I was busy keeping the F-Club alive at Cloquet. Although most of the activities weren't strictly F-Club oriented, we had a close group that participated in everything from football games on the mall to practice sawing on Dr. Ek's veneer logs to bonfires in the old chimney.

Taking charge Winter Quarter was quite the challenge. There were lots of new people to meet, and Foresters' Day was close at hand. Mass confusion aside, everything went well and we all had fun. The volleyball and hockey teams had an unprecedented number of cheerleaders. And who can forget Engineering's attempt at a Used Christmas Tree Lot? (Who *were* those masked men!?) After a bout with Parliamentary Procedure the quarter came to a close; so ends this year's 3-ring (or should I say 3-ring master) circus.



Ah come on, tell me

Officers for 1984-85:

Vice President	Lisa Allison
Secretary	Betsy Lowe
Treasurer	Ann Francis
Sargent at Arms	Joe Taylor
Historian	Mary Porter



Conclave: Columbus, Ohio

Diane Thomforde

The Minnesota Daily said, "They went, They 'Sawed,' But They Didn't Conquer." But did we? Yes. The idea of Conclave is to go and compete in various events, and of course, win. When you begin to think about it, however, there's more to it than winning. It's a great opportunity to meet different people from other schools and share ideas and interest about our chosen profession. Conclave is also a super chance to make new friends. In this area, Minnesota triumphed; after all we were the only school to be invited to a hot tub party at Steven's Point, Wisconsin. We also supplied the entertainment at the bonfire with our very own, Dave Haugen, and his guitar. At the dance we were the first group to begin dancing and we were even challenged to a dance contest. So in the end, when it comes to making friends and having a good time, Minnesota seemed to have left with first place.

The competition was fun! We weren't total failures, Mark Fedora came away with third place in the traverse and Sharon Raetz and Betsy Lowe pulled 2nd place in the 2-lady bucksaw. And don't forget the famous traveling trophy that came back with us again, the hockey stick, for traveling the farthest. The rest of the Minnesota competitors tried their hardest and ended up having a good time while getting caught up in the spirit of competition. Everyone cheered on their teammates and enjoyed themselves.

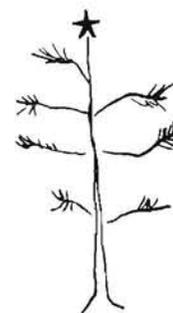
The Minnesota Daily made a mistake, they should have written, "They Went, They 'Sawed,' And They Did Conquer!"





Merry Christmas

Bryan Pike



Kevin, you could have picked a bigger tree!



Would you buy a tree from these two?

Tree Cut

As usual most of the Forestry Club's activities that last an entire weekend start early Saturday morning: 7:30 a.m. in back of Green Hall, is how this year's tree cut began. (Why is it that actual departure is always *much* later than scheduled departure?) The troops were finally gathered together and off to Ella's tree farm we went.

The purpose of the tree cut is to show club members the operations of a X-mas tree farm, to get hands-on experience of harvesting the trees, and to get some work out of the often lazy club members. First of all the trees we cut have to be tagged the summer prior to cutting. Kevin Sittauer was in charge of the tagging operation. Seeing how Kevin had very little flagging and experience it is no wonder why we ended up with so many three foot trees and left many of the taller ones behind. Next time Kevin, remember larger flags and larger trees.

The warm sun and temperature nearing 60 (very much unlike last year) made cutting, hauling, bailing, and loading the trees at Ella's farm enjoyable. Once the semi was loaded two *volunteers* were chosen to go back to campus and unload the 700 some odd trees. Needless to say those two courageous individuals felt they handled enough X-mas trees for one weekend and didn't feel like meeting at Carl's tree farm to load more trees.

Loading trees was right. The majority of the trees at Carl's farm were already cut and waiting to be loaded. After a few hours of working like slaves a deep hunger and enormous thirst was felt by all. Once the fire was started the usual dinner consisting of dogs, chips, beans, fruit and beer was served (and not necessarily in that order!).

If anyone has ever spent a night at Carl's tree farm or have heard stories about past tree cuts you know that the excitement usually begins after dinner. Stories and jokes are told around campfire and the famous "Hopper Fire Walk" is demonstrated. Carl later puts on his own little demonstration by torching off a few of his slash piles (you need a very long stick if you want to roast marshmallows over Carl's fire). Carl still provides entertainment by taking everyone on his annual hayride. This year's hayride had a bit more excitement than anyone had anticipated. Apparently, Carl had one more slash pile he wanted to get rid of so we watched Carl start another of his large bonfires. Well, to make a long story short Dr. Irving would have been proud of the fine suppression job we did. At the end of the hayride everyone was pretty much exhausted and decided to get a good night's sleep for over 100 more trees needed to be loaded up the next morning and unloaded back at St. Paul.



I'm not responsible for the needles falling off.

Tree Sales

This year's tree sale was quite different from previous sales. First of all, the chair-persons. Who were they? Or rather, who were they supposed to be? At first, I thought Kevin Sittauer and Frank DelaRosa would be chairmen. Later I was told by someone that Mary Porter would be helping out (I guess that is how rumors start). Then I thought, ah, Paula will help chair. It made sense to me. The majority of the people would be done with the Cloquet Session and what else would they want to do but sell trees, right? WRONG!! By the time most of the 3000 plus trees arrived no one seemed to be taking initiative or around to be taking initiative.

With December I quickly approaching and still no "volunteers" Dave Haugen and I decided it would be a challenge to operate a \$50,000 tree sale operation, attend class, and study for finals all at the same time. (This year's \$64,000 operation can be accredited to Carl Vogt's advise to raise our tree prices so we would be more competitive).

Secondly, snowfall is a typical problem encountered when selling trees. From uncovering snowcovered trees to clearing the parking lot and trying to find room for the snow. This year rain was our main problem (not to mention management problems Dave and I frequently argued over).

I can recall Quintin hopelessly attempting to channel some of the water away from the lot and Dave at the same time helping customers dig their vehicles out of the mud. Also, the "cookies" from Conclave tryouts came in handy for us to use as stepping blocks through the mud. All we could hope for was a cold spell or 90 degree weather. Well, we came close to the 90° (58° actually). By then we didn't care about the parking lot. Selling trees was our main concern. Somehow, between selling and stocking trees, Carl managed to count 54 vehicles in and around our small lake on Cleveland Avenue. Needless to say, the 58° Saturday was our best day for sales. Who says you need snow to sell Christmas trees?

Finally, this year was different because of a movie that was produced at the tree lot. We had actors, actresses, directors, technical directors, make-up artists, camera and light crews, everyone around except stuntmen (. . . so it was only a commercial. I told Carl we had enough personnel to make a movie).

With all this excitement during the tree sales (not to mention all the pranks our engineer friends played on us) Dave and I were glad that December 25th was near. Even without selling all our trees the Forestry Club, financially, had its best year ever.



This should keep Plumb Bob away



The Hiemlich Maneuver



The start of the Green Hall addition.

Forester's Day '85

Sharon Raetz



Walking into the banquet room at Donatelle's supper Club January 25 was quite an experience. At first I thought I walked in on the wrong banquet, for I didn't know who any of those people in suits and dresses were. Then I caught someone's face — he was a forester but where were his jeans and plaid shirt? Then one by one the faces began to look familiar and it soon dawned on me that it is possible for foresters to become "real people" even it is only for one night out of the year. We were gathered here at the annual Forester's Day Banquet to acknowledge those people who have put a lot of their time and energy into the success of the club and it's members.

After the guest speaker, Dr. Merle Meyer, talked about our future as Natural Resource Managers, it was time to sit back and get ready for the presentation of the awards. Those acknowledged were:

Mr. John Krantz — Forester of the Year. John is presently the forest products and utilization specialist for the Department of Natural Resources, Forestry Division.

Vilis Kurmis — Uncle of Paul. Even as a "foreigner" Vilis fits into Minnesota heritage.

Bryan Pike — Son of Paul. After all who elses son could he be with a beard that thick and legs that long?

Ann Francis, Dave Haugen, Paula Lamke, Betsy Lowe, Bryan Pike, Sharon Raetz, Mike Scharrer, Kevin Sittauer, and Joe Taylor — the recipients of this year's Forestry Club Scholarships. Each received a check for 300 dollars.

The awards banquet was over and all we had to do was go home and get a good nights sleep to prepare ourselves for the big day that was to begin at 7:00 am the following morning. You ask who is so crazy as to get up at 7:00 am on a Saturday? Well about 60 foresters made it up early enough to eat pancakes cooked by the faculty and make fools of themselves in skits. Those who weren't able to succeed in embarrassing themselves in skits were given many opportunities in the field events which were held throughout most of the afternoon. The snowshoe races seemed to produce a lot of entertainment for the spectators. Perfectly graceful people can quickly turn into clutzes as soon as they strap 3 feet long by 1 foot wide pieces of wood to their feet. One other event that seemed to bring a lot of chuckles to the crowd was the tug of war — one on one on a stump — even the name brings a slight smile to your face. I suppose it's just the nature of humans to laugh at other people's misfortunes even if it is watching someone being caught off balance and landing face first in a snow drift.

And of course what would Forester's Day be without a little bucksawing and tobacco spitting. We all had fun but those most successful left for home that evening with an armful of nice prizes. Tim Kennedy was the overall winner and enjoyed a delicious dinner at Winfield Potter's as a grand prize.

Those appetites that were acquired needed to be satisfied after a full day of playing in the snow and the bean feed was just what we all needed. It is surprising how fast people can devour that much food. We all succeeded in replenishing our energy supply and we made it out to the Bel Rae Ballroom for a night full of good old polkaing.

Sometimes I wonder if Forester's Day isn't an endurance contest — we would be all winners of that — at least those of us who survived the three hours of dancing to polka music. And in a one day endurance contest we all know how the next day is spent — sleeping.



Self portrait



Where's the Satellite?



The Gang

Special thanks to the following companies which donated prizes for the events: Winfield Potters, Midland National Bank, Now Sports, U of M bookstores, Ski Den, Midwest Mountaineering, Northern Wood, United Stores, Outdoor Store.



Crystal Moen, Monte Rude, Jeff Anderson, Steve Meyer, Amy Krieger

Dayton Kirkham Scholarship Program

In 1925 Dayton P. Kirkham or "Kirk" as he was known to his classmates, entered the College of Forestry. He was interested and active in the Forestry Club and Xi Sigma Pi, in which he was an officer. Upon graduation in 1928, he accepted an appointment with the U.S. Forest Service and spent the next 17 years working for them.

While an undergraduate student, Mr. Kirkham was awarded a \$50 scholarship to assist in the payment of his tuition and fees. He was so appreciative of that support, that he in turn vowed that if he was in a financial position to assist other undergraduate students in the College of Forestry, he would do just that.

The rest of the scenario is history. Since Mr. Kirkham's career was one of service to mankind, it is appropriate that the foundation established in his honor and bearing his name carry on the tradition through financial assistance and recognition of bright, interested undergraduate forestry students.

Students are selected on the basis of:

- High school achievement
- Results of standardized examinations
- Interest in Natural Resource Management

1984 Dayton Kirkham Scholarship Recipients

- Crystal Moen — Renewable Resource Management
- Monte Rude — Forest Resources
- Jeff Anderson — Forest Resources
- Steve Meyer — Forest Resources
- Amy Krieger — Forest Resources

SCHOLARSHIPS FOR 1984-85

John Allison

Frank S. DelaRosa

R.M. Brown

David P. Skurla

Robert L. Goudy

Joan Y. Carlson

Marc A. Roberts

E.J. Cheyney

William A. Bahl

Michael S. Ryan

Ken Merriam

Joseph Taylor

Charles Lathrop Pack**Writing Contest**

Brian Martell

Steve Smith

Ronald Zilmer

H. Schmitz

Sharon Raetz

Elizabeth Lowe

Anderson

Beverly Eckhoff

Darrell Glowacki

Gerald Lipovetz

Tom Lochner

Hoo Hoo

Kathryn Peters

Gregory Schuyler

PACE

Beverly Eckhoff

Pulp and Paper

Anthony J. Algiers

David J. Falk

Theodore S. Johnson

Stanley D. Roeber

Keith A. Sowada

Mark E. Strohfus

Kevin C. Ward

Steven M. Eilertson

Robert J. Fleck

A. Searles

Audrey Koltes

Diane Johnson

Dian Thomforde

Caleb Dorr

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John E. Seng

Thomas J. Maertens

Bill Miles

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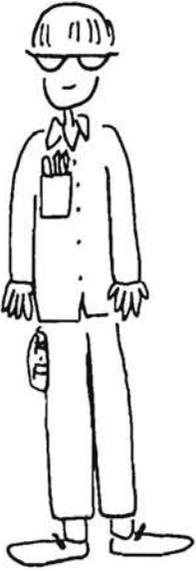
Carolind

Zachary J. Wortman

Martin J. Cassellius

William E. Olsen

William A. Bahl



The Feud Between The Engineers and The Foresters . . .

The 58th anniversary of calculated mischief on campus and the engineers were eager to start in again. It was the beginning of December and the Forestry Club Christmas trees were again on sale at the corner of Cleveland and Larpenteur — a perfect place for the engineers to create havoc. To begin with they placed an ad in the Daily for free Christmas trees — sponsored by no one else but the Forestry Club and later stole the lot signs.

It was time for the foresters to retaliate. Christmas trees were still in their minds and they thought that the engineers might like to have their own Christmas tree lot. They got their lot, only after Christmas, I believe they called it the "Used Christmas Tree Lot." Some foresters (who wish to remain unnamed) loaded up the left over trees one night in early January and hauled them over to Minneapolis complete with a sign to advertise the sale. The next morning as you passed by Lind Hall you could see the great job they did — the sign hung proudly on the door and the trees were carefully arranged on each step leading to the entrance of Lind Hall.

And so the feud continues.



. . . 30 years ago

January 1955 marked the 28th anniversary of calculated mischief on campus. The day before Foresters Day, bearded forestry students would invade the Minneapolis campus to engage in playful fighting with engineering students and to "caliper the girls." Calipers, jawlike, wooden devices used to measure the circumference of trees, that day were used to measure the "vital statistics" of female students, "who would know the forestry men by their beards."

The plan for the 1955 invasion was different from that of years past. The forestry students decided to pay only slight attention to the male engineering students and concentrate almost exclusively on calipering women. Their stated purpose was to make "a permanent record of all measurements."

The foresters calipered 150 women, making their way through a women's lounge, the YWCA room, and the dining hall. According to the *Minnesota Daily*, the most frequent remark from women was "a blushing 'no comment.'"

— from *Update* Jan. '85
(a U of MN publication)

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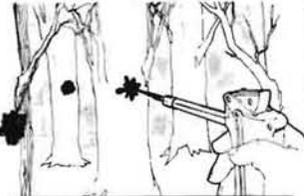
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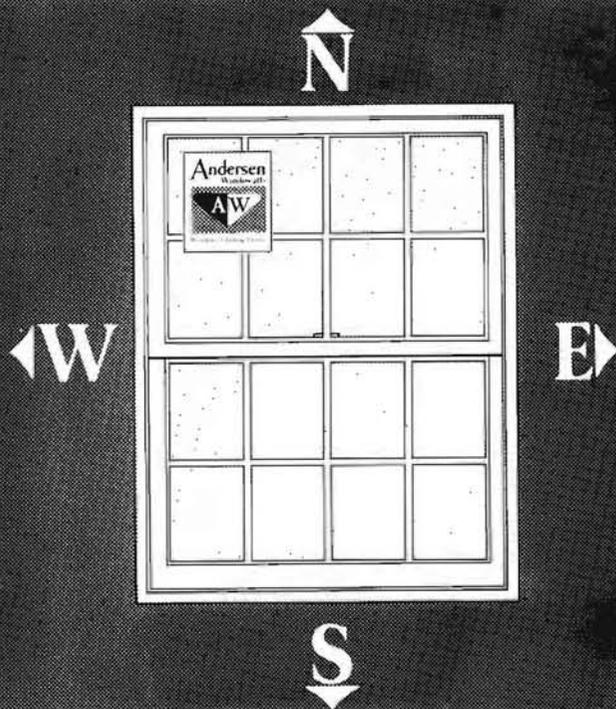
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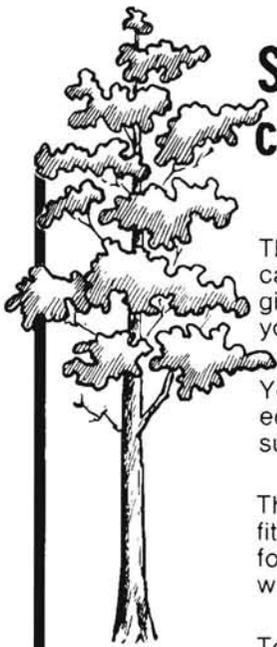
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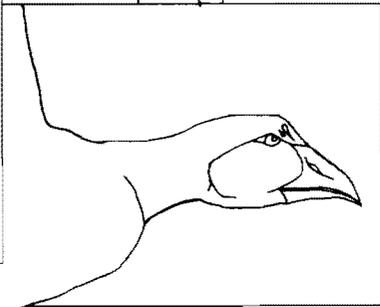
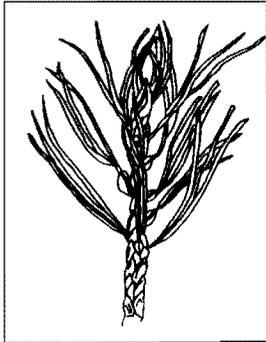
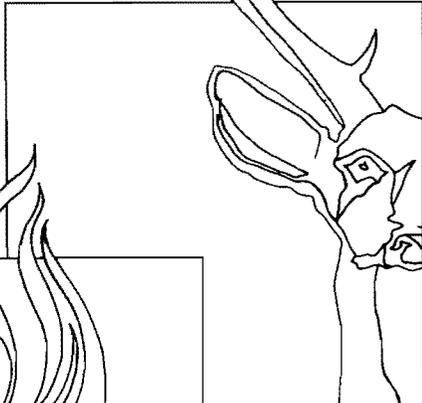
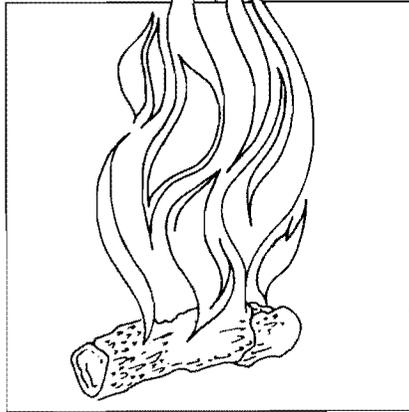
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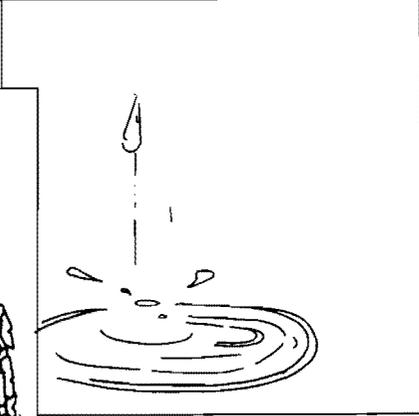
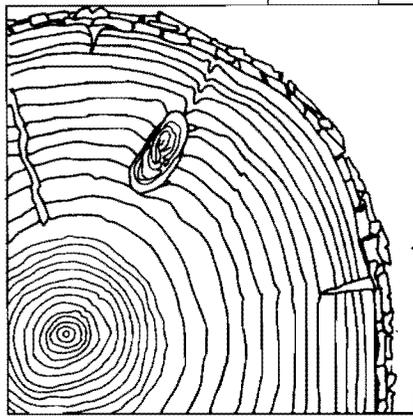
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