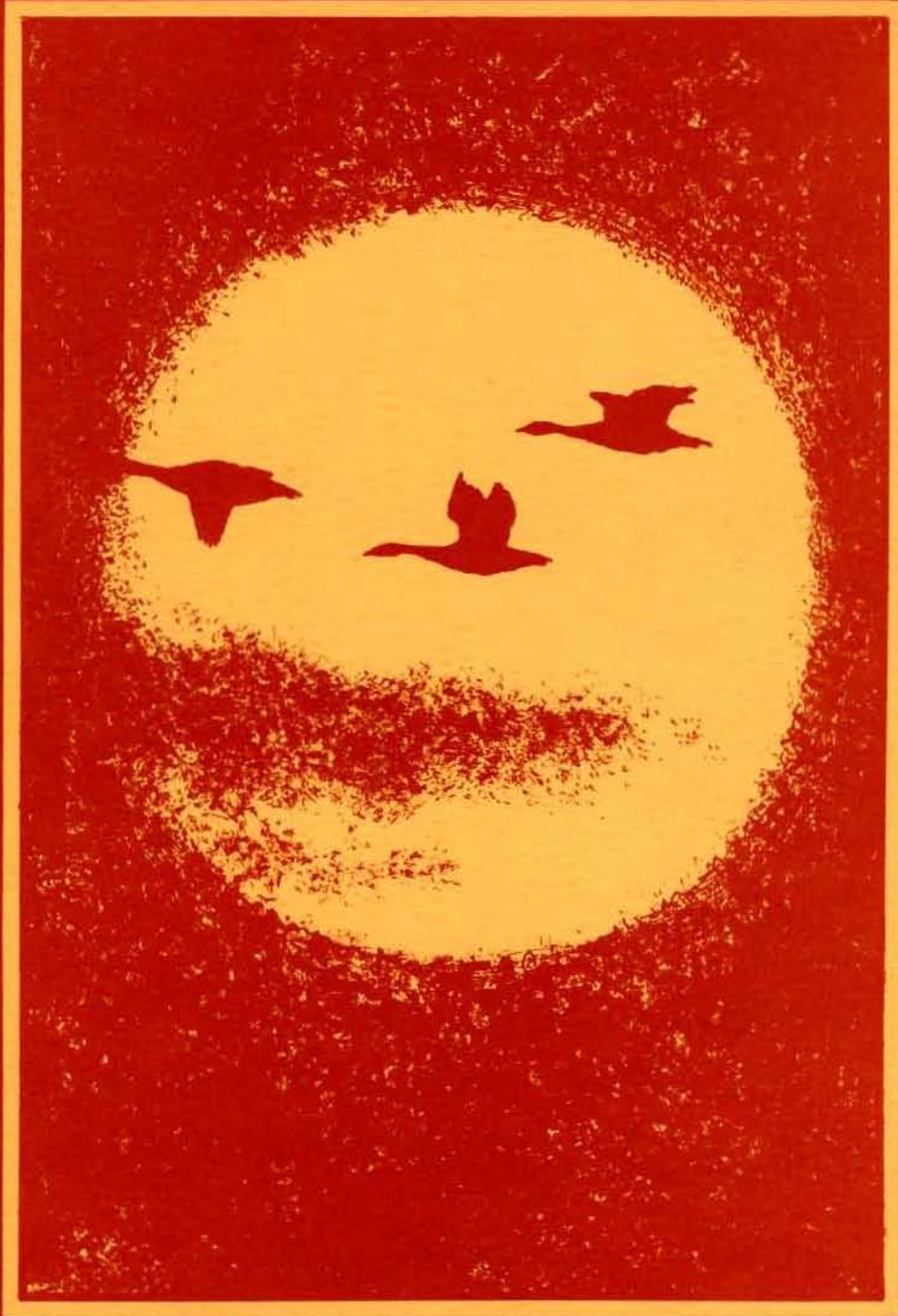


1977 Gopher Peavey



Alumni
News



Courtesy, Minnesota Historical Society

**DEDICATED TO
THE HONORABLE HUBERT H. HUMPHREY
UNITED STATES SENATOR FROM MINNESOTA**

... for outstanding contributions to forest management and the profession of forestry and for improving our Nation's natural resources.

Hubert H. Humphrey has proven to be an instrumental leader in the field of forestry legislation. In 1956 he was among a group of senators who proposed a wilderness bill which a number of years later helped to develop our National Wilderness System. In 1959 he sponsored a bill for creation of the Youth Conservation Corps, which came into existence in 1964 as a unit of the Job Corps.

With his help, Congress has passed major legislation involving forestry. In 1974 he was a chief sponsor of the Forest and Rangelands Renewable Resources Act. This Act requires an assessment of our forest and rangeland renewable resources and development of long-range program options for policy makers.

Congress, under the leadership and urging of Senator Humphrey, enacted the National Forest Management Act in 1976 providing the Forest Service guidance in management of the forest resources, the harvesting of timber, increasing our level of reforestation and in relating other forest benefits such as wildlife and recreation.

This legislation is of major significance and has had significant impact as it has been implemented. The Gopher Peavey-Alumni News is proud to recognize the Honorable Hubert H. Humphrey for his continual dedication to the public and for his contributions to the support of the profession in the wise use of our forest resource.

"How we manage our forests, our wildlife and our recreational opportunities will have a great deal of impact on our environment and ultimately the quality of life." (Hubert H. Humphrey) Wise recognition of our resource management needs by a most wise American.

Gopher Peavey 1977

Alumni News

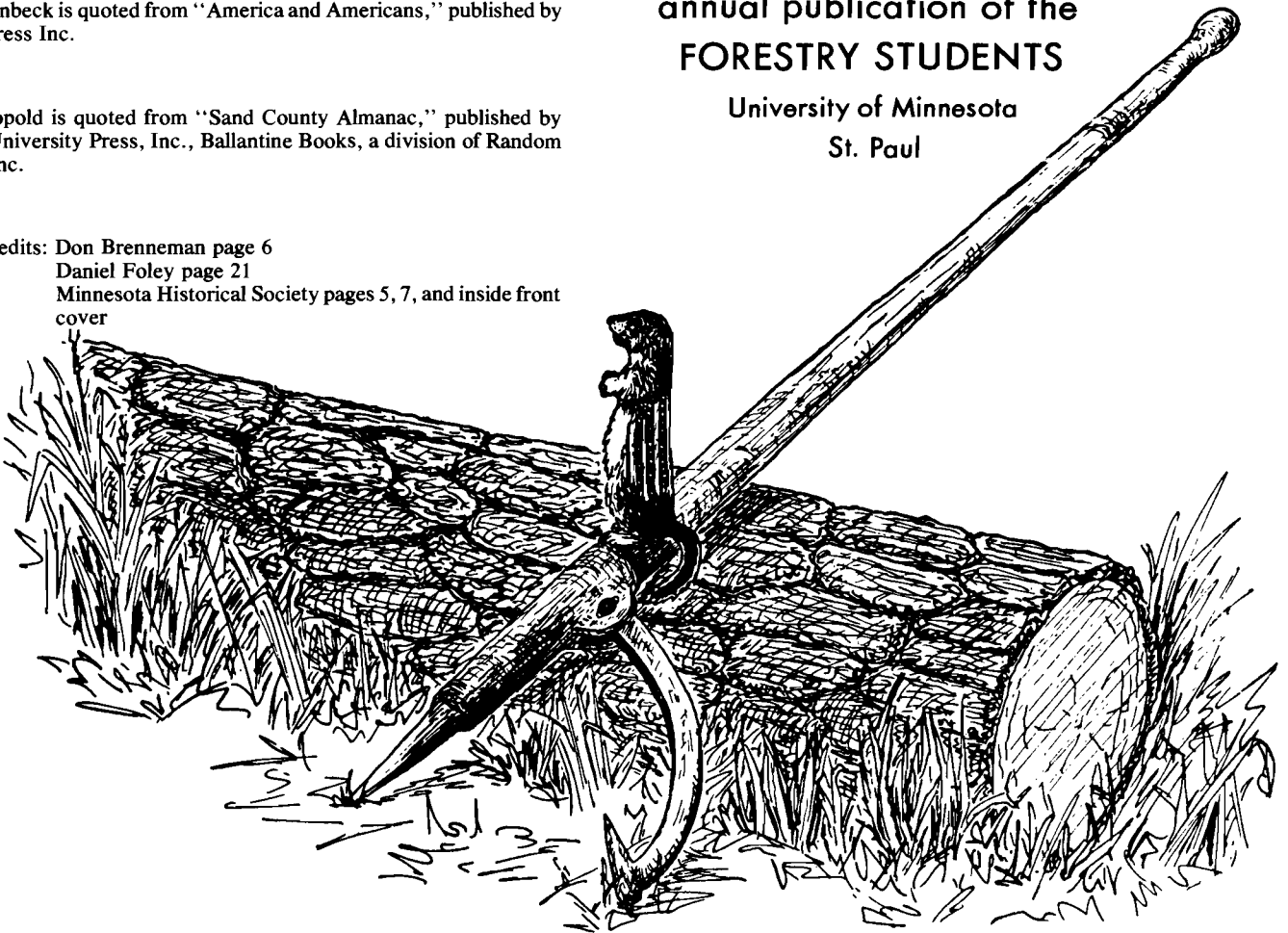
John Steinbeck is quoted from "America and Americans," published by Viking Press Inc.

Aldo Leopold is quoted from "Sand County Almanac," published by Oxford University Press, Inc., Ballantine Books, a division of Random House, Inc.

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annual publication of the
FORESTRY STUDENTS

University of Minnesota
St. Paul



Foreward

The Minnesota Forestry School Annual was first published in 1920. The first issue stated, "The purpose in publishing this book is to provide a medium of contact between our school, our alumni, and the outside world." In 1922 the name was changed to the Gopher Peavey since Minnesota was "known everywhere as the Gopher State" and the peavey was the symbol of the Forestry Club. In publishing the 57th annual, we hope that we are sustaining the spirit and the purpose embodied in the first issue.

We here endeavor to record student and alumni activities, to provide a medium for discussion of topics vital to the forestry profession, and to provide a store of memories for the future. We hope you enjoy this book as we have enjoyed preparing it for you.

THE EDITORS



The Journeyman: By Laura Medved

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Journeyman

We are lone journeymen who travel paths of confusion and pain.

My voice reaches you now, but I am blown by time's wind. Wind will set me among your dreams and your memories. Our paths have crossed but our souls belong to journeyman who yearn for motion and growth.

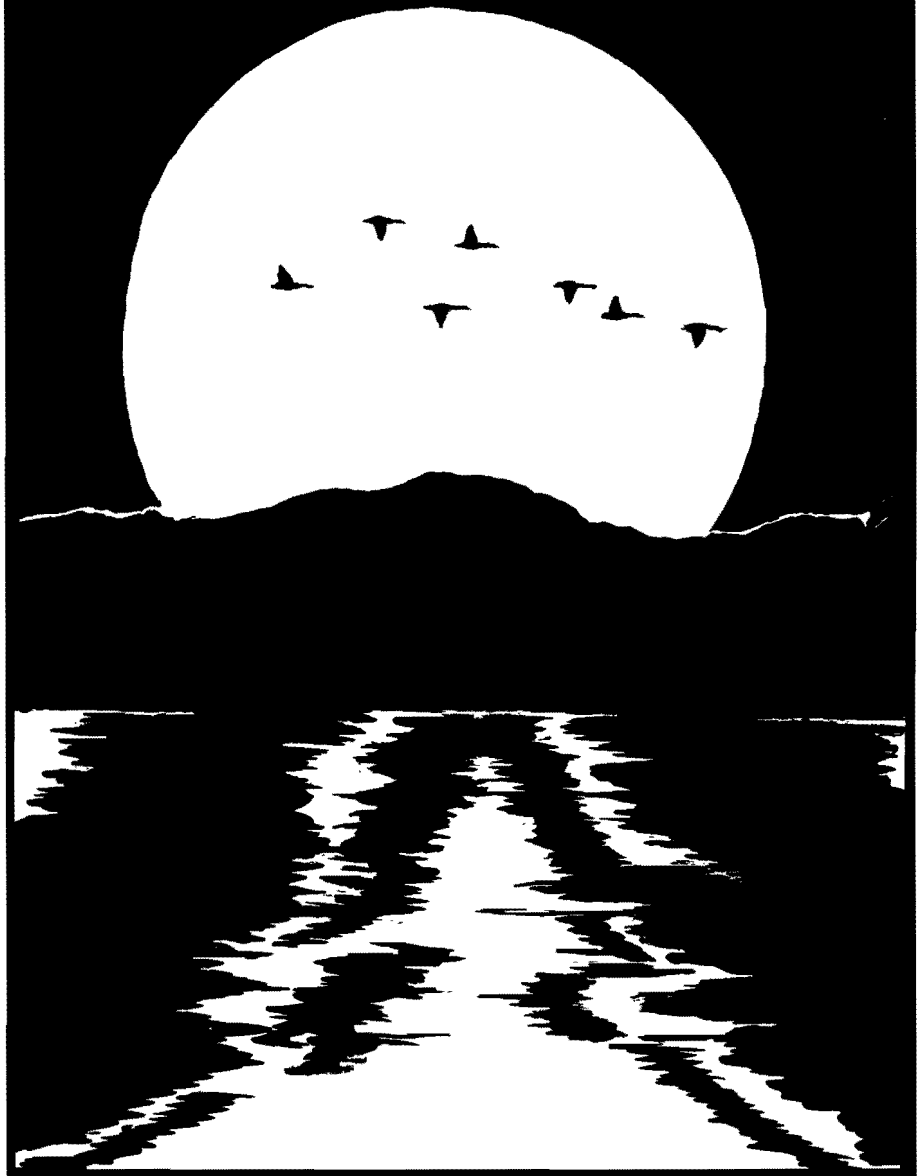
Journeyman travel lonely paths; silent stars watch them. They look for meaning and hold it from time to time. They feel the warmth of another soul; they feel life, until the breeze reminds them of their travels. They know not stillness.

Journeyman win and lose with each step they take.

Cindy Lunning

The Journey

*The
true
journey
begins
when
you
and
I
realize
that
as
humans
we
cannot
take
flight
physically
or
morally.*



The Journey: By Laura Medved

Journey of the Forester

A path is cut when a man feels a need to travel where no man before him has gone.

A path was cut for the forestry profession when man realized the wilderness would not remain unless he understood, protected, and promoted the needs of the forest.

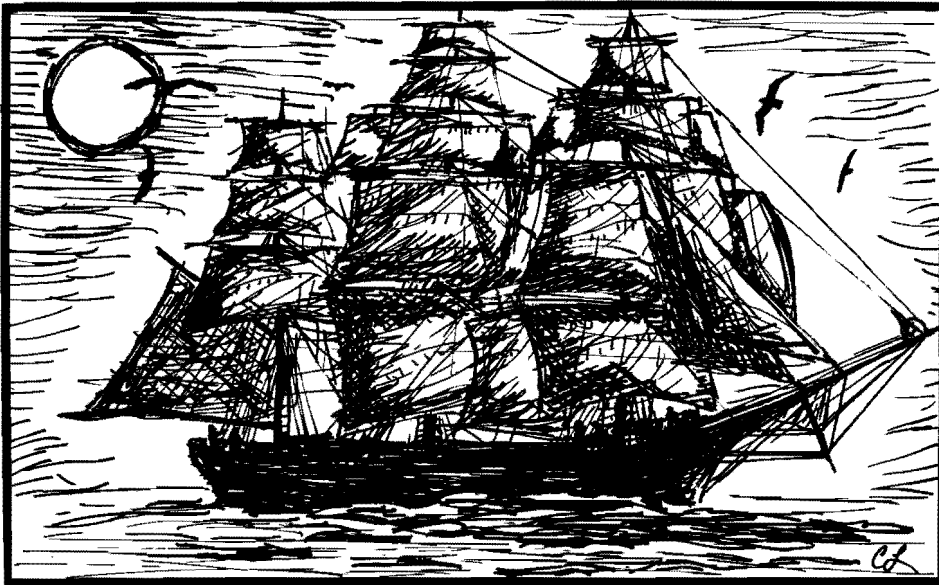
An increasing need for forest management turned path to trail.

Increasing environmental concern caused many a trail to merge, hence we travel the road.

A road's direction is dependent upon the travelers' needs and destination. As foresters we must ask, "What are our needs and what is our destination?"

Needs of Pioneers

Pioneers sailed the Atlantic in hopes of a better way of life.



I have often wondered at the savagery and thoughtlessness with which our early settlers approached this rich continent. They came at it as though it were an enemy, which of course it was.—John Steinbeck

To the first settlers of Virginia and Plymouth belongs the credit of the most difficult and crucial tasks of pioneering. After their ocean voyage, they entered the wilderness without the knowledge needed for living there. They suffered hardships which forced them to adapt to the New World.

Later immigrants profited from the trials of those first comers. They quickly became skilled with axe, gun, knife, spade, and hoe. The primitive pioneer became the cutting edge of the frontier. Like America, he grew up with an axe in his hand.

Wherever there was a forest frontier, the axe symbolized a way of life demanded by the New World. With axe in hand, the colonist cleared land, built shelters, bridged rivers, and launched his ships.

From the beginning wood became a necessity. It fed the enormous appetite of railroads headed west. It built steamboats, carriages, wagons, trains, and ships.

Pioneers ventured Westward in response to the American dream of land for all. By the nineteenth century a wood-dependent revolution in transportation had begun.

In little more than a half-century, the United States became a mighty world power. Stretching from ocean to ocean, it was land and resource rich. While taming a wilderness, the ax-wielder housed the nation on land and sea. He created its first industry, secured its means to commerce, and contributed to its spirit of independence. In a thousand ways, pioneering Americans learned the value of woodland riches. From their activities and beliefs evolved a new people, restless and searching.

Pioneering fostered democracy. In travel, construction, and warfare, pioneers acted together under leaders. Battling constantly against the perversities of nature, they welcomed practical inventions to make life more pleasant and to ease the strain of toil.

During their desperate years, settlers gained a strong pride in their accomplishments. Wilderness removed Old World notions of aristocracy; on the frontier settlers

proved themselves through endurance not inheritance. In time they developed a sense of belonging to the land, a belonging based on hope and struggle. The wilderness molded them into a people. American democracy came from the confrontation of man with nature in the American forest. It gained strength each time a new frontier was sought. But in the very act of conquering the wilds, the pioneers were chopping their own and our own spiritual roots.

Engaged in building anew, Americans were imbued with a faith in progress and a hope for a better future. They had a dream.

For Americans too the wide and general dream has a name. It is called 'the American Way of Life.' No one can define it or point to any one person or group who lives it, but it is very real nevertheless, perhaps more real than that equally remote dream the Russians call Communism. These dreams describe our vague yearnings toward what we wish we were and hope we may be: wise, just, compassionate, and noble. The fact that we have this dream at all is perhaps an indication of its possibility.—John Steinbeck

But life is more than dreams. In 1891 the Secretary of the Interior declared, "There is no more American frontier." Unfortunately the impact of that statement was not realized by the majority of Americans until years later.

For centuries the wilderness was a challenge which had to be overcome. Generation after generation chopped, logged, roaded, and mined without apparent restraint. Though at first the wilderness mastered the colonist, he soon set out to master the wilderness. He found he could not. He could alter, yes, but he could not master the land because he could not totally understand it. And so emerged a new belief: the wilderness was not an enemy, but rather a community to which all mankind belonged.

To the 'Land of Opportunity' they came, dressed in hope and driven by dreams they sought the New World. They sought a new land called America.

Along with the physical movements, their ideas and hopes for a better tomorrow moved forward to meet new frontiers.



Courtesy, Minnesota Historical Society

We abuse land because we regard it as a commodity belonging to us. When we see land as a community to which we belong, we may begin to use it with love and respect. There is no other way for land to survive the impact of mechanized man, nor for us to reap from it the esthetic harvest it is

capable, under science, of contributing to culture.

That land is a community is the basic concept of ecology, but that land is to be loved and respected is an extension of ethics. That land yields a cultural harvest is a fact long known, but latterly often forgotten. —Aldo Leopold

Trails, roads, and steel rails expanded deeper and deeper into the forested land. Expansion was followed by greater movement, not for men, but for mankind. The time had come for the need to see beyond the tree, beyond the forest.

Need to See Beyond the Tree, Beyond the Forest

The Bureau of Forestry was established in 1881.



Courtesy, Don Brenneman

A movement toward forestry and conservation of natural resources began near the turn of the 20th Century. Americans were warned that "inexhaustibility" was only a myth and that timber resources were indeed limited. Early conservation leaders awakened America to its need to see beyond the tree, beyond the forest.

It was full late when we began to realize that the continent did not stretch out to infinity; that there were limits to the indignities to which we could subject it. . . . Conservation came to us slowly, and much of it hasn't arrived yet. —John Steinbeck

The Bureau of Forestry was established in 1881. By the 1890's, Congress was making major turnabouts in the public policy toward federal lands. Their passage of the General Revision Act authorized the President to set aside public land as forest reserves. After 120 years of land disposal, public policy quickly changed to retention and custodial management of public domain. Theodore Roosevelt, as President, created 21 new National Forests and with the help of Gifford Pinchot planted seeds into the

public's conscience. Philosophies of their era fused with others to form today's attitude toward the forest.

Conservation leaders warned of the need for orderly management and wise use of our most valuable renewable resource. Even so, forest management was a long time coming to privately owned timber lands. It didn't seem to make economic sense and many were not sure it would work. For years the call had been for cutting trees, not planting them.

After 1908 tax laws were modified and companies began to retain cutover land. They adopted policies of reforestation, protection, and long-term management. As the activity of growing trees became profitable, more private forest landowners adopted forestry.

In the country's early history, man's axe symbolized his response to his needs and time. In 1941 that symbol was replaced with a green and white diamond which came to mark the 'Tree Farm'. In the nation's bicentennial year an estimated 32,000 Tree Farms were pledging their efforts for continuous production of timber.

Three-quarters of a century ago, the first American forestry school

graduate went to work in the woods. Many frontiers have been crossed since then. Today our country claims the largest area of privately owned forest land under management in the world. America has the most extensive system of managed public parks and forest, more government forest experiment stations, and the largest number of trained foresters practicing the profession of any country in the world. The forestry profession long ago assumed the obligation to serve the public needs.

Obligations have no meaning without conscience, and the problem we face is the extension of the social conscience from people to land. No important change in ethics was ever accomplished without an internal change in our intellectual emphasis, loyalties, affections, and convictions. The proof that conservation has not yet touched these foundations of conduct lies in the fact that philosophy and religion have not yet heard of it.

The problem, then, is how to bring about a striving for harmony with land among a people, many of whom have forgotten there is any such thing as land, among whom education and culture have become almost synonymous with landlessness. This is the problem of conservation education.

The first tree farm was created in 1941.



There is no question that man has altered the face of the land, he still does. America is in the process of changing. As always in human history, man must carry the past and past reflections with him.

Engaged in building anew, Americans were imbued with a faith in progress and a hope for a better future.



Courtesy, Minnesota Historical Society

We shall never achieve harmony with land, any more than we shall achieve absolute justice or liberty for people. In these higher aspirations the important thing is not to achieve, but to strive. –Aldo Leopold

A great deal has been achieved

since the first pilgrims came to this continent. Along with the physical movements, their ideas and hopes for a better tomorrow moved forward to meet new frontiers, America is still on the move, but her people are not running. They are looking at their surroundings and in

the process are forced to look at themselves. As foresters we belong to a world and a profession rich in past and full of promise for the future. Wherever we go, whatever we do in the time ahead, we will carry some of the past and past reflections with us.

Educational Needs of Foresters

Video-display units are now provided for students in the Green Hall library.



We learn from the experiences of our past, but we also gather knowledge from the present experiences of those around us. For this reason alumni share their thoughts with us. They speak from their present learning experiences and comment on the value and weaknesses of their formal education in forestry.

Areas of competence needed for a forester today evolve over time and often differ substantially 20 to 25 years out of school from those required on the first job. Typically, they move from specific points of technical competence to broader, more general competencies. One of the difficult problems is determination of an appropriate balance between them in a four-year program.

Currently, I feel a need for two competencies: (1) capacity to communicate effectively; and (2) ability to solve problems of a wide variety, some technical, but most human.—(Donald P. Duncan '51)

Practical experience is extremely vital to success in forestry and should be coordinated with academic work. More and more

colleges are recognizing that they cannot place students who do not already have some job experience. Colleges have an obligation to provide this as part of the education program.—(Clifford E. Ahlgren '48)

Some practical experience is an asset to educators, researchers, and staff specialists as a supplement to academic achievement. For administrators practical experience may often spell the difference between acceptance of his views or rejection of them as a fuzzy theoretician.—(John A. Rundgren '33)

Practical experience and academic achievement go hand in hand. Extensive practical experience and poor academic achievement are just as poor a combination as no practical experience and outstanding academic achievement. Ideally, an employer is looking for a person with extensive experience and excellent academic achievement. Students should be encouraged to seek practical experience during their college careers, but only to the extent the experience does not interfere with the quality of academic work. Experience, especially with the same employer over a succession of summers or

through a work-study arrangement, benefits the student and the employer. The student can make contacts and establish a work record which can lead to future employment, while the employer has an opportunity to evaluate the student's performance and determine whether or not he would like the student for a full time, permanent employee after graduation.—(Michael W. Carey '69)

Practical experience, in my opinion, has two important values which require its inclusion in any complete forestry education program.

(1) It helps convince an employer to hire you first of all, and then stands you in good stead during your early days of concentrated field work.

(2) It gives you a sense of the realities of forestry. This allows you to concentrate on management techniques which are feasible. When management plans, work load projections, or plans of this nature are worked on, it allows you to keep things on a realistic basis.—(Ken Sloan '69)

There should be some practical experience coupled with academic achievement in order to be considered for finding a job and competing in work. With the large number of applicants for jobs, academic achievement usually is not adequate to obtain a job.—(Alvin Nelson '38)

There is a need to expand the meaning and the scope of the term "forest management." With due stress on, not only management of wood and fibre but also that of other natural resources, such as water flow, fish and wildlife, recreation and preservation of the pristine beauty of the forest as a whole, a professional forester will find employment in areas in which he is unable to do so at present.—(Dr. M.A.K. Khalii '67)

We need to liberalize the choices a student has, backed up with an advising system that matches curriculum and courses to individual student needs—an advising system that gives student and adviser some of the responsibilities vested in faculty committees who too often carve

The public welfare cannot be served by walking blindly in the old ruts. Times change, and the public needs change with them. The man who would serve the public to the level of its needs, must look ahead.

GIFFORD PINCHOT

The Northwest Experiment Station conducts research throughout the state.



their decisions in stone.

We need to ask what *each* student needs to learn how to think critically; to analyze and evaluate alternatives; to speak and write effectively; to synthesize knowledge and apply it to complex problems and questions. Sure, there are disciplines and courses that are essential to every forester's education. But, I expect that the list would be much shorter than the

present required curriculum in most forestry schools, *if* we focused more on individuals and less on designing a standard prescription for all.

It's ironic to me that we argue against prescriptive legislation dictating forestry practices in the woods, and yet impose similar rigid requirements on the education of the very foresters we believe would have the freedom to use their professional judgment.

No, there is no magic list of course titles for a truly dynamic forestry education, nor should any course be immune from a searching evaluation of its relevance. The role of the forester is far too diverse in today's world. He or she may be working with people as often as trees; as likely in a computer center as a plantation; managing a logging operation, a paper mill or a wilderness.—(Carl Reidel '58)

Need to Communicate

Carl Reidel speaks to foresters about the challenges our profession faces.



Like all professionals we need to understand the public, but we must realize the need to improve our ability to communicate so the public will also understand us.

With new environmental analysis reports, impact statements, and such presently required of public forestry agencies by law, today's forester frequently finds his reports carefully scrutinized by the public. Very important is the fact that supervisors and the public are much more receptive to well-written reports. For this reason Forestry education should emphasize strongly the necessity for being able to write clearly, concisely, and logically.—(James Brown '61)

Communication, organization, and promptness; these are skills which are seldom taught, are the most difficult to master, and the only test of competence is through trial and error. One must be a good communicator first, a good planner second, and then a technical forester.—(Rollin Geppert '65)

The most critical area of expertise required of today's professional forester is the ability to communicate effectively. The

forester must effectively communicate with the public he serves, his peers, and his subordinates. Unless the college programs have changed radically since my college days, they are severely deficient in courses dealing with effective communications.—(Michael W. Carey '69)

Assuming that foresters are graduating with a reasonable amount of technical competence in their field, one of the most important tools needed is communication. The old days of 'I want to be a forester to roam the woods by myself' are long gone.

The modern forester soon finds that he is an administrator and businessman, not a 'Stump-Jumper.' As an administrator, he will find that he is an important link in the chain of communication and flow of information between the field and the top of the policy making pyramid. Communication skills are also important between the forester and the public, loggers, representatives of wood industries, or private citizens. Communication skills in speaking, writing, and even the art of observation and interpretation of unspoken or

unwritten actions should be greatly emphasized in the forestry educational program.—(Wayne L. Gibson '62)

If you are a good specialist but cannot show others the value in your work or resource, you might as well be a bad specialist. You do the agency, yourself, and the public little good.—(Stephen L. Morton '65)

A major area in which competence has been required of me for which I was not adequately prepared during college training is communications, both oral and written. I have also observed that many forestry personnel are not communicating adequately with the public. Even at professional meetings, oral presentations are often very poor, and the message is thereby obscured. The numerous papers we are asked to edit for professional journals are lacking in writing competence. This is not so much a matter of basic grammar and punctuation as it is a problem of conciseness, organization, and clarity. A one quarter course in professional communication given by someone extremely competent in both oral and written communications could go a long way in improving the success of forestry students.—(Clifford E. Ahlgren '48)

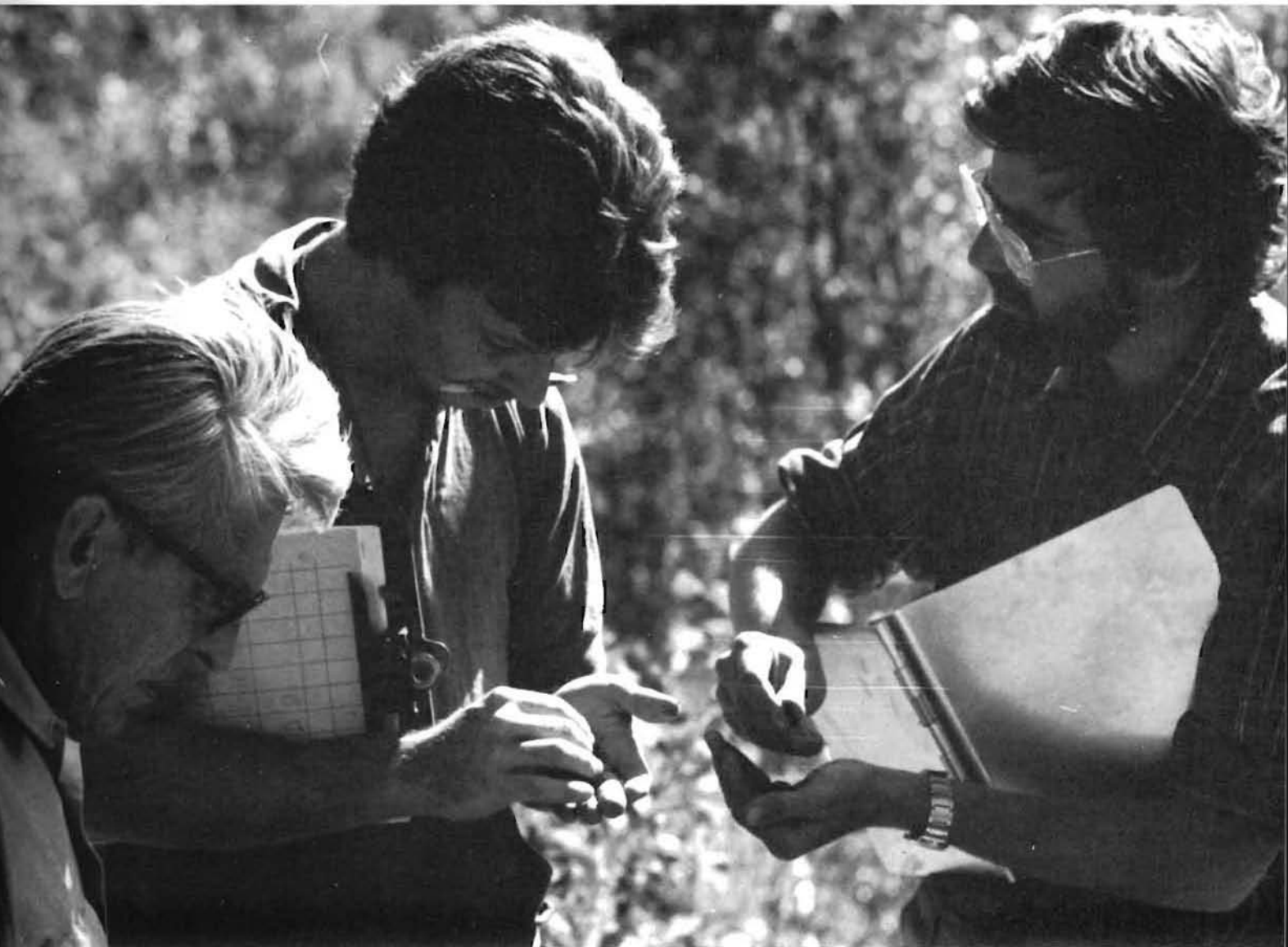
Good communication draws upon many characteristics including: (1) communications training and experience; (2) technical and professional knowledge; (3) capacity to understand other people; and (4) certain innate qualities of the communicator. These are not completely independent of each other and only a part comes out of one's educational background. Forestry educational programs are not adequate in this area. In part, professional program entrants must be more carefully and critically screened initially.

Ability to solve "human" problems, those related to how people interact with ideas and to others, requires experience in

Having the technical expertise in hand is not of much practical value in today's world if the person cannot share it with others. Often the job is made more difficult when the audience you are trying to reach is opposed to your line of thought.

MICHAEL W. CAREY '69

Field knowledge is gained at the Itasca summer session



working with people of divergent viewpoints during the formal education years. This is being accomplished in few forestry courses at universities, more imaginative approaches are needed. Here again, careful initial screening of students for appropriate characteristics is important.—(Donald P. Duncan '51)

Forestry education must be strengthened by giving students something to help him, or her, promote proper management of our resources to both people who do not care and to people who are enthusiastic but who are not well informed. It is not enough to know the technical answers unless they

can be presented in such a way that all people understand the problems.—(Paul J. St Amant '31)

Need to Meet the Challenge

As foresters we belong to a world and a profession rich in past and full of promise for the future.



If education is the transmission of civilization, we are unquestionably progressing. Civilization is not inherited; it has to be learned and earned by each generation anew. If the transmission should be interrupted for one century, civilization would die, and we should be savages again. So our finest contemporary achievement is our unprecedented provision of higher education for all. We have raised the level and average of knowledge beyond any age in history.—(Will and Ariel Durant)

Foresters do have a perspective on life that is rather unusual. Unlike so many people in our fast-paced, throwaway society, we can still see beyond tomorrow, even beyond our own lifetime. Most foresters never live to see the full fruits of their efforts, at least not in Minnesota or Vermont where rotations are frequently measured in centuries. And that takes a special kind of faith—not only faith in the biological world that drives a seedling into a mature tree, but also faith in people and institutions; in the society that continues and completes the work we begin.

Maybe that accounts, in part, for our family-like relationship. Most of us inherit the benefits of another

forester's efforts, and pass along our accomplishments as a beginning for another forester in the future, whether a research finding or a well-managed forest stand.

We believe in people—people gone before us and those yet unborn.—(Carl Reidel '58)

I can find little fault with the technical competence of today's forestry graduates. My field work is in "environmental forestry," namely forest practices and water quality. This type of work requires a working knowledge of many state and federal laws plus the technical knowledge of biological impacts caused by various forest practices. My experience with two of the major forestry schools in Oregon and Washington is that they do not keep abreast of new laws and they do not study the gap between research and regulation. The majority of the forestry students study forest management. These programs tend to emphasize the silvicultural benefits and de-emphasize the biological impacts on water quality, fish, wildlife, etc. The fisheries and game schools, on the other hand, tend to avoid the forestry side of these issues. Today's graduates are very competent in knowing how to grow trees and are quick to tell what they do know.

They are not so good at assessing the impacts of harvesting trees and acknowledging what they do not know.—(Rollin Geppert '69)

All foresters must realize that one must constantly keep informed of advances in their fields and related fields. To a considerable degree this can be done by reading technical periodicals, newsletters, and other publications. Such reading can be supplemented effectively by attendance at workshops conducted by competent specialists.—(Paul O. Rudolf '28)

Workshop-classroom type instruction should be given in areas where definite and rapid changes are occurring. The forester must keep abreast with the changes in technology and the demands in his field. Periodicals and newsletters don't seem to have the needed effect.—(Lee Christensen '72)

Continuing education is so important that every method should be employed to keep the practicing forester current in all areas of rapid change.—(James A. Brown '61)

Foresters today are taking more and more of an interdisciplinary approach to forest management. They must be able to evaluate the impact of a given management strategy on not only the timber resources, but also its effect upon wildlife, aesthetic, and socio-economic resources. Seldom is it a matter of maximizing fiber production or efficiency. This indicates a need on the part of forestry colleges to intergrade more and more.—(Ken Sloan '69)

The traditional use of the forest estate as a source of wood and fibre only is phasing out. It is giving way to a new concept in which an estate is simultaneously a source of recreation and a wood and fibre reserve. The value of its components—trees, streams, landscape, water flow, fish and wildlife—is increasing in the estimate of the people at large. People have started looking upon the forest as an environment for the pursuit of happiness. Thus, forestry has reached a stage at which forests are fulfilling a major role in the realization of the American Dream for which the republic had been established two hundred years ago.—(Dr. M.A.K. Khalil '67)

Foresters need to be subjected to philosophical policy discussions

For man, unlike any other thing organic or inorganic in the universe, grows beyond his work, walks up the stairs of his concepts, emerges ahead of his accomplishments.

JOHN STEINBECK

Green Hall never really changes, only the needs of our profession do.



found in the "American Forester" and other publications. Professional narrow-mindedness develops if a constant effort is not made to familiarize oneself not only with changing professional attitudes but with changing public attitudes.

A professional forester must be dynamic. His primary function is not

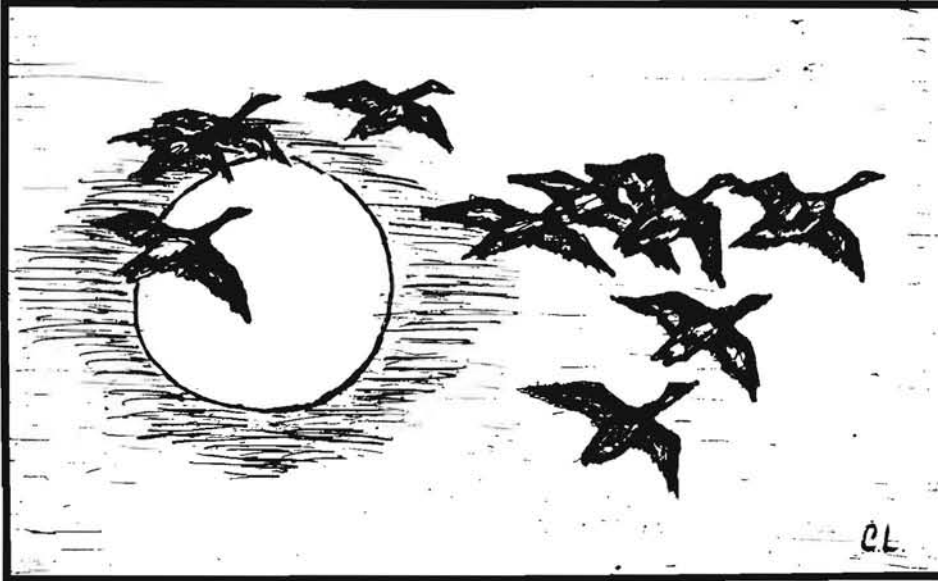
to learn how things are done, but rather to devise new and better ways of doing them.—(Ken Sloan '69)

It is good that new ideas should be heard, for the sake of the few that can be used. But it is also good that new ideas should be compelled to go through the mill of objection

and opposition. This is the trial heat which innovation must survive before being allowed to enter the human race. Out of this tension comes a creative strength, a stimulated development, a secret and basic unity of the whole.—(Will and Ariel Durant)

In the Howl of the Wolf

We realized long ago that we were traveling rapidly in the face of our fellowman.



Pack of Wolves

by Ron Grogg

There is a legend of an Indian outcast who lived alone. Though an excellent hunter, he was shunned by tribe members because he had no respect for the animals he hunted.

Before cold weather set in one year, he went pelt hunting in order to make a warm blanket. While hunting, he surprised an old mother bear and two cubs feeding on ants under a fallen log. The bear, fearing for her babies' safety, charged the Indian and would have killed him had not a pack of wolves entered the glen. It is not known if the wolves pitied the Indian or whether they thought the bear was attacking them, but they turned and stood in the bear's path, growling through threatening teeth. The bear was frightened by the angry wolves, and turning, she ran back toward her cubs.

The Indian was pleased with the outcome of the encounter. Not only had his life been saved, but he was also presented with the opportunity of obtaining a fine wolf pelt. He quickly fitted an arrow into his bow, took careful aim, and shot the leader of the wolf pack in the throat. The

other wolves fled as the Indian stepped forward to examine his kill. Before he got there he heard a deep growl. Looking up he saw the mother bear charging toward him again. The wolves were gone. Alone in the glen, he desperately reached for another arrow, but the bear was already upon him and forcefully struck the life from him.

Unlike the Indian in that legend, we need not be wasteful of life around us. In his race to find the future before it arrived, man often neglected to worry about the after effects of his progress. If we are careless with our environment we too shall be struck down.

Man has come a long way in the last century and a half. A being that is capable of the feats which man has accomplished must certainly be capable of the form of progress called for in our time, progress of the mind and of consciousness in relation to the land. We must respond to the environment before the environment can no longer respond to us or to itself.

The legend portrays the wolf as man's unexpected guardian, later killed by him. When we hear the howl of the wolf, we do not know what it means, perhaps we never will. The conservationist Aldo Leopold believed the mountain held a secret opinion of wolves since only the mountain had lived long enough to listen objectively to their howls.

My own conviction on this score dates from the day I saw a wolf die... We reached the old wolf in time to watch a fierce green fire dying in her eyes. I realized then, and have known ever since that there was something new to me in those eyes—something known only to her and to the mountain... I now suspect that just as a deer herd lives in mortal fear of its wolves, so does a mountain live in mortal fear of its deer.

Also Leopold believed that man had not learned to think like a mountain, that is why we have known dustbowls and why rivers wash the future to the sea.

We are not certain what the future contains, we do not know there is life beyond this world. If there is not another life, there are at least other ways of living. It would do us good to walk alone amidst the rubble in this world, where loneliness is a strange and pitiless teacher. There are other ways of learning, other ways of seeing.

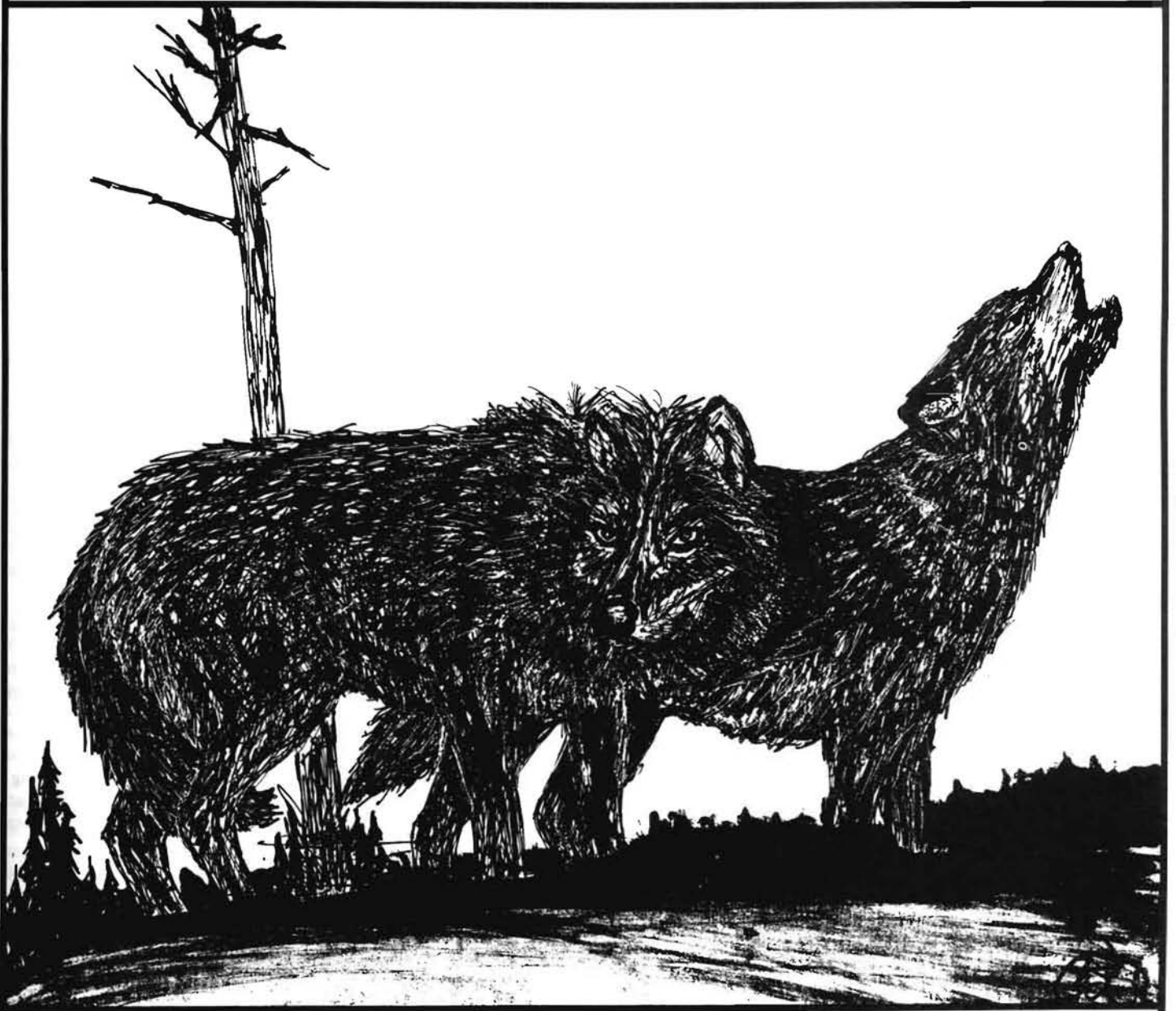
Here at the College of Forestry, we attempt to reach the needs of the future through self-discipline, instruction, and research.

We realized long ago that we were traveling rapidly in the face of our fellowman, and that the true journey began when you and I felt that, as humans, we could not take flight physically or morally.

We attempt to reach the needs of the future through self-discipline, instruction, and research.

*Perhaps this is behind Thoreau's dictum: In wild-
ness is the salvation of world. Perhaps this is the hidden
meaning in the howl of the wolf, long known among
mountains, but seldom perceived among men.*

ALDO LEOPOLD



Wherever we go, whatever we do in the time ahead, we will carry some of the past and past reflections with us.

College of Forestry: Attempting to Meet Our Needs



Library expansion provides students with increased learning facilities.

Report of the Dean 1977

R. A. Skok

As you undoubtedly recognize, resources for higher education programs are under increasingly greater pressure. Competition within the University is becoming keen and knowing ones goals and priorities seems to be increasingly essential. Recognizing this, the College has been involved in developing strategies to deal with the needs it faces in the period ahead.

Within the higher education community itself, the College is working towards identifying its priorities for the decade ahead. Increased emphasis on advanced degree training particularly at the Ph.D. level, improved research planning and evaluation, greater emphasis on continuing education for professionals, and growth in undergraduate forest products and forest science enrollment are all goals we see as important to achieve. We believe in doing so we will increase the quality of our undergraduate programs, better identify our research priorities, opportunities and areas of special competencies, and thereby more

effectively contribute to the appropriate social, economic and political goals touched by a program such as ours.

The College of Forestry programs and the activities of its faculty operate as parts of two different systems. On the one hand we are members of the higher education community within both the University itself and among the several forestry schools nationally. At the same time we are aware of our role in the system of renewable natural resource activities that involves relationships with federal, state, local and private organizations and agencies. Within both we have unique responsibilities. Balance of overall program activities through determination of the appropriate priorities becomes a continual issue for us.

It is my personal belief that our successful performance as an educational unit is dependent in no small measure on being involved in the important developments and issues that affect forest and related resource management and utilization.

The College is presently involved in three major efforts to address needs of our programs and their contributions to renewable natural resource management. Your support of these efforts is welcomed. One involves seeking federal funding for an expanded authorization of extension forestry programs. The need for expanded efforts in working educationally with small woodland owners and in the transfer of technical knowledge to resource management and utilization enterprises is well recognized. Providing the resources and the independent program development necessary to do this is yet to be achieved.

A second activity in which we are involved deals with forest and associated rangeland research analysis and planning efforts. Designed to provide a continuing coordinated and expanded input into the identification of needed research for the forests of this state, region and nation, this activity is conducted jointly by the Forest Service and the forestry schools. We are working closely with the North Central Forest Experiment Station in this endeavor.

The third activity relates to our planning and hosting of the 3rd Society of American Foresters (SAF) Forestry Education Symposium in June 1977 at the College. We believe it is critical that we periodically pause and examine forestry education efforts. The theme selected by the SAF is, "Quality Education for Professional Competence." This Symposium will

identify difficult but important issues for us to consider and on which to comment. Your comments are reported elsewhere in this issue of the Gopher Peavey.

FACILITIES

The College was the recipient of a gift of 40 acres of hardwood forest near Northfield, Minnesota in 1976. Mr. Ause, a Northfield attorney, contacted us last year to inquire as to our interest in use of such a property for programs of the College. He and his wife were interested in turning this woodland over to someone who would manage and use it. After study, the Department of Forest Resources concluded that good use could be made of this property for extension activities and for small class use where mixed hardwoods were of principal interest. The gift was finalized in mid 1976 and use has already begun with visits by several student groups to the site. HAROLD SCHOLTEN chairs the committee guiding the development of use for this forest.

Pressure on Green Hall space has never been more intense. With \$9,000 provided by the Vice President for Academic Affairs, an additional 1,200 sq. ft. was added to the Forestry Library. This space came via sacrifice of a classroom and conversion of hallway space. Additional shelving, reference working room, an area for student carrels and individualized slide-tape study, and work space for library staff were the uses increased.

Particularly pressing unresolved space problems for us are officing faculty, secretarial staff and graduate assistants, the Office of Student Services, student commons area, data analysis and processing facilities, and research laboratories. In addition, Green Hall lacks an elevator as well as conformance with present lifesafety standards. We continue to seek funds from the Legislature for the remodeling and addition to Green Hall. Added space is essential to the continued development of forestry programs.

The Cloquet Forestry Center has seen completion of several facility projects over the past year. An updating of the sewage treatment plant (to attempt to meet standards under state regulations), improved campus lighting, completion of remodeling of a student cabin, paving of roads in the central campus area to reduce sand and dust in cabins and offices, and reroofing of the technician residence. AL HALLGREN frequently reminds me that keeping a line on the facility and working through

the complicated layers of University rules and procedures to get things done can try even someone with his patience.

FACULTY HAPPENINGS

Recognition came to several faculty members this past year. KEN WINSNESS who has served 25 years as a member of the College faculty, was one of five Minnesotan's recognized in 1976 with the Rose and Jay Phillips Camp Courage Award for the Physically Handicapped. LARRY KREFTING, Research Associate Emeritus, was recognized for his publication, "The Isle Royale Moose," by the Denver office of the Fish and Wildlife Service, U. S. Department of Interior, with an award for the Outstanding Monograph of 1974. FRANK KAUFERT, Dean Emeritus, was one of four individuals who were elected as Fellows to the Forest History Society. Frank served for many years as an officer and member of the Board of Directors and as a frequent contributing author to the Forest History Society publications.

Faculty members were also recognized by election to important offices in professional societies. JOHN HAYGREEN was chosen as President-elect of the Forest Products Research Society for 1977. He will become President in 1978 succeeding Howard Olson, class of 1947. BOB ERICKSON was elected Vice President of the Society of Wood Science and Technology. Several faculty serve as elected national officers of Working Groups of the Society of American Foresters. MERLE MAYER is Chairman-elect of Remote Sensing & Photogrammetry, ED WHITE, Secretary of Soils and PAUL ELLEFSON, Secretary of Economics & Policy.

JIM BOWYER, Assistant Professor, Forest Products, was elected Chairman of the Institute of Agriculture, Forestry and Home Economics Faculty Consultative Committee for this current academic year. The FCC is the elected faculty group representing the Institute's faculty to the Deputy Vice President.

This past year saw four faculty receive well deserved promotions and/or tenure appointment. Each has made very productive and important contributions to programs of the College over the past several years. Those recognized by promotion to full Professor were: HANS GREGERSEN, Department of Forest Resources and LEW HENDRICKS, Department of Forest Products. Promoted to Associate Professor with tenure was DIETMAR ROSE, Department of Forest Resources. ED WHITE, Associate Professor of Forest Resources, received a tenure appointment.

Several losses were suffered from

among our faculty during the past year. As many of you know, WILLIAM R. MILES died in August 1976. Bill had been a member of the faculty of the College since 1959 and held an appointment with Agricultural Extension since 1961. He had been Coordinator of the Forestry Extension & Continuing Education programs for the College of Forestry since 1974. Known nationally for his work in conservation and forestry education, he served as the Chairman of the Governor's Environmental Education Council in Minnesota. His efforts provided a strong basis for development of Minnesota's conservation/environmental education programs. Bill provided imaginative and effective leadership. He is sorely missed for his professional and personal contributions to the people and programs of the College.

DON VAN ORMER, Assistant Professor, Department of Forest Resources, who was located at the Cloquet Forestry Center, resigned in January to accept an extension position with the University of Kentucky. We regretted seeing Don leave, but recognize that when you have capable faculty there will be times such losses are unavoidable.

BOB THOMPSON, Associate Professor, Forest Products, resigned in September 1976. He has subsequently moved to Arizona and is self-employed.

Some new faces were found among the faculty this past year. CARL VOGT is serving as an Assistant Extension Specialist helping to cover some of the environmental education and small woodland ownership work that had been carried out by Bill Miles. LEE WERTH joined us as a part-time instructor in Remote Sensing and TOM HOUGHTALING as a part-time research fellow in Forest Economics. We also welcomed ZAYN BILKADI, who joined us as a research fellow this year, working with RON NEUMAN in pulp and paper chemistry.

Two new Assistant Professors have been appointed to our faculty but will be stationed in Morocco on the US/AID project in which the College is now involved. Erv Bergland, who is a Minnesota B.S. and Ph.D. (1970) will handle the watershed faculty position. JIM O'ROURKE, a Ph.D. graduate from the University of Arizona, fills the range management slot. These are both temporary three year assignments.

I am very pleased to report good news on the recovery of DEAN EMERITUS KAUFERT. Frank visits the office on a regular basis, spending several hours a day at his desk. This winter he and Ione enjoyed two months in Arizona. During this period he presented several lectures at the

University of Arizona in Tucson and at Northern Arizona University, Flagstaff. He continues his deep interest in a wide range of forestry activities. While his involvement is necessarily more limited, it remains as strong and committed as ever. As an example, Frank published two research bulletins this past year.

INSTRUCTION PROGRAM DEVELOPMENTS

Undergraduate enrollment in the College declined to 548 students for Fall Quarter 1976. 580 students were enrolled at the comparable time in 1975. We granted 148 B.S. degrees in 1975-76. Women enrolled in the College actually increased slightly in number and now account for 18% of our undergraduate students. The overall decline is not one that concerns us. The past several years undergraduate numbers were excessive given the resources we have for instruction. Efforts are being made, however, to increase undergraduate enrollments in Forest Products programs where exceptionally strong employment opportunities exist for graduates and where we have some capacity to handle an increased undergraduate enrollment.

A placement study done by PHIL SPLETT, Career Opportunities Coordinator in the Office of the Dean, indicated that for the past three years graduates from the College of Forestry have done reasonably well in the employment area. 1973-74 graduates reported there were nearly 80% employed in natural resources fields with about two-thirds reporting permanent positions. 1975-76 graduates, on the other hand, replied they were approximately 75% employed in a field related to their degree. Of these about one-third said they held permanent positions with the other two-thirds holding temporary jobs. Employment histories of graduates over the past several years suggests that temporary employment has been an increasingly utilized initial path to permanent positions. Changing career patterns have also led to a higher proportion of our graduates employed by state and local agencies and in private industry. Also noted is higher proportion being employed in Minnesota than was the case a decade ago.

The Department of Forest Resources completed its revision of the Forest Resources curriculum during the past year and has now entered the implementation stage. This will be a transition year for the Cloquet Forestry field session. The new curriculum shifts the session from the senior to the junior year. Thus, it requires a one time additional field session to accommodate both the senior group under the old program as well as the transition to the junior students. As a result, in 1977 we

will have a Cloquet field session in the spring, another of 8 weeks in late summer and a third session fall quarter. The Center will be a busy place as will the involved faculty.

Two new undergraduate scholarships were established this year for forestry students. The Dayton P. Kirkham Scholarship is supported by Mr. Kirkham, a graduate of the class of 1928. The Gillia R. Miles Scholarship is supported by donations to the William R. Miles Scholarship Fund.

The College of Forestry has, since 1967, been involved in a cross-college curriculum program offering a major in Recreation Resource Management (RRM). This curriculum falls under the Resource and Community Development (R&CD) program in the College of Agriculture. Most of the students in this curriculum have been advised in the College of Forestry by LARRY MERRIAM and TIM KNOPP. The College of Agriculture has decided to require all students seeking a major in RRM to register in the College of Forestry and to be advised there. We will continue to retain affiliation of this major with the R&CD program in Agriculture. Decisions regarding content of curriculum and student standards will rest with the College faculty in Forestry.

Graduate enrollment increased again this year with nearly 90 graduate students registered with majors in forestry. During the past six months the College, through the Graduate School granted 13 Master's degrees and 6 Ph.D.'s. This is the highest six month output in the history of our graduate programs. In general, employment opportunities remain very strong, particularly at the Ph.D. level and for Master of Science graduates with specializations.

FRANK IRVING, Director of Graduate Studies, worked with the forestry graduate faculty, College administration and the Graduate School's Office of the Dean in bringing effective closure to the graduate program review conducted in 1975. He established several study groups to review and recommend on subfield specializations, master's degree objectives, student admission and retention policies, and expansion of graduate course offerings.

We continued to attract a substantial number of qualified applicants for our masters programs who have not had a previous degree in forestry. We find this trend occurring nation-wide. We intend to continue to merit the consideration of outstanding students from across the country and from other nations as well.

At the graduate level, the Weyerhaeuser Foundation has awarded the Forest Products Department a \$6,000 per year Fellowship for a Ph.D. student

studying Forest Products Engineering or Wood Technology. The first award of this type will be made July 1, 1977.

INTERNATIONAL ACTIVITIES

As a result of ARNETT MACE'S visit to Morocco last year, the College of Forestry has become involved in the US/AID funded project in Rabat, Morocco, at the Institute Hassan II. This project, under the direction of the College of Agriculture, University of Minnesota, with forestry's involvement to provide a faculty member each in the areas of watershed and range management. The thrust of the project is building graduate and research programs at Hassan II. Some flow of Moroccan students to the United States for graduate work will require monitoring and backup assistance from the College.

Members of the faculty who attended the International Union of Forestry Research Organizations, IUFRO, meeting in Oslo, Norway, this past summer and participated in followup tours and projects were ED WHITE, DIETMAR ROSE, HENRY HANSEN, TIM KNOPP, CLIFF AHLGREN, LARRY KREFTING and BOB ERICKSON. All were involved at IUFRO in differing capacities but provided the College with solid representation to this important activity.

ROLAND GERTJEJANSEN, consulted this past summer with personnel at three forest products laboratories in Scandinavia with regard to their research on the utilization of logging residues for particleboard manufacture. Rollie also presented a paper on utilization of sunflower stocks for particle board at the Seventh International Sunflower Conference held in Krosnador, USSR, from June 15 through July 5, 1976.

ED WHITE, recently returned from a two week visit to Uruguay where he explored opportunities for providing educational assistance and exchange of technical forestry information to that country. His trip was sponsored by the National Partners of the Americas-Minnesota Uruguay partnership. Ed consulted with forestry faculty, students and administrators of the College of Agriculture in Uruguay and gave several seminars as well as TV and newspaper interviews.

HANS GREGERSEN received a \$70,000 grant for a one year study of techniques used in forestry and forest industry project appraisals. Funded by the Swedish government through a cooperative program administered by the United Nations Food and Agricultural Organization, the study results are to be used in training seminars and workshops

for forestry planners and administrators from countries throughout Asia, Africa and Latin America. These seminars and workshops are a continuing part of FAO's training activities which have been sponsored by the Swedish government for a number of years.

In March of this year, CARL MOHN spent three weeks in Australia attending the Third World Consultation on Forest Tree Breeding and participating in associate aided study tours. Popular breeding work done at the College has worldwide recognition and is among the topics the Consultation will examine.

RESEARCH DEVELOPMENTS

Diversification in research activities was evident this year. MERLE MEYER and the Remote Sensing Lab continued to obtain significant amounts of grant funding. For a third year the Lab's Alaskan work on the Copper Delta River was extended and expanded. This project deals with mapping and studying the effects of the earthquake on vegetative changes in a major waterfowl breeding area. Merle's projects with State DNR and State Planning Agency, the U. S. Forest Service, the Corps of Engineers and the Fish & Wildlife Service have yielded not only practical results for renewable resource management programs, but also have developed and refined remote sensing techniques and methodologies for application to similar situations elsewhere.

DIETMAR ROSE recently received a grant from the Minnesota Energy Agency to undertake a study on the development of an operational plan for continuous production of energy from wood in a Minnesota county. A great deal of interest exists in Minnesota as elsewhere in alternative energy sources.

LARRY MERRIAM and VILIS KURMIS received a grant from the National Park Service to undertake an inventory of plant community types in the Voyageurs National Park. Results of this work will serve as baseline information for environmental analysis reports and management of the park in the years ahead.

ROLAND GERTJEJANSEN has received a substantial grant from the Forest Products Lab, U. S. Forest Service, to study the durability of particleboard produced from tropical wood species. This is an outgrowth of an earlier project which he had funded from the Lab.

EGOLFS BAKUZIS has completed the seventh chapter of his monumental synthesis of literature entitled, FOUNDATIONS OF FOREST ECOSYSTEMS. This latest chapter,

"Genetics and Evolution," is based on 1300 cited references.

Among new studies the Forest Service is funding at the College is work by ED SUCOFF on the characterization of POPULUS water balance in relation to soil moisture, potential evapotranspiration and stand qualities. In a quite different vein is the study they are funding by PAUL ELLEFSON on a cost/benefit case evaluation of selling versus holding tax forfeited lands in Minnesota.

CONTINUING EDUCATION & EXTENSION

During the past year, one shift in assignment was made based upon program needs. SCOTTY SCHOLTEN has assumed a one-quarter time extension assignment with special emphasis on windbreaks and shelterbelts. This program area has received considerable attention during the drought of the past summer and with the increase in soil blown wind in the western part of the state this winter. It also has implications in terms of energy use in rural homes and farms.

LEW HENDRICKS spent a major effort working with the problems in disposal of Dutch elm killed trees in the Twin Cities metropolitan area. Lew provided information and technical advice to a number of agencies and governmental units on various disposal alternatives under consideration. He also oversaw the successful conduct of the 28th Lumbermen's Shortcourse this past year. Ninety-two students attended this year's two-week program held in early February. This well recognized course continues to draw participants from a number of states.

MARV SMITH has been serving since September as Acting Coordinator for Forestry Extension & Continuing Education. His semi-annual Forest Land Owners and Users Conferences have grown to five nightly meetings twice a year held in the Twin Cities and locations throughout Minnesota. In addition, Marv participated for the second year in a widely hailed multi-state program held in Chicago to reach absentee forest landowners who live in that area but whose lands are located in Minnesota, Wisconsin and Michigan.

The College was involved in several continuing education efforts for professional resource managers and scientists. A program for forest hydrologists was organized and conducted by KEN BROOKS, Assistant Professor of Forest Resources. This Conference was funded by the Forest Service. In another program, the College served as a co-sponsor for the National River Recreation Symposium held in late January 1977 in Minneapolis. More than

400 people from across the country attended this highly successful event. While the Forest Service was the main sponsor, the College, under ARNETT MACE'S leadership, worked in close cooperation with the North Central Forest Experiment Station in developing and executing this program. In March 1976 an Intensive Forest Management economics short course was held at the Cloquet Forestry Center. More than 60 foresters from throughout northern Minnesota were in attendance for this two day offering. Focus was on the economic analysis of management alternatives with PAUL ELLEFSON, HANS GREGERSEN, DIETMAR ROSE and AL LUNDGREN, of the staff involved.

Under the guidance of DON VAN ORMER and ARNO BERGSTROM, Timber Harvesting Workshops were organized for four weekends at the Cloquet Forestry Center both spring and fall sessions 1976. These workshops were conducted for students who wished to spend a weekend learning the rudiments of operating chain saws, bull dozers, skidders and the fine art of chain saw filing. Each student who chose to participate spent one weekend in training under the careful eye of experienced faculty and technicians at the Center. There was excellent student participation in these offerings with the nearly unanimous opinion that this was a highly effective means of meeting this training need.

AL ALM organized a one-day Containerized Seedling shortcourse at Cloquet in August. This offering reported on results of work Al has done on this regeneration approach over the past several years with cooperators and was attended by 30 foresters in the state.

ARNETT MACE, ROD SANDO and FRANK IRVING worked with the Department of Natural Resources and forest industry to develop and hold a two day Forest Fire Conference with 40 attendees in March 1977.

SERVICE ACTIVITIES

This past year has provided several special opportunities for the College to demonstrate its service capabilities for the people of the State. As many of you know, 1976 was a very severe fire year for Minnesota with the resources of the State severely taxed in handling the many emergencies that arose. The College was involved in forest fire activities along with other organizations during those months of high fire danger.

On the 24,000 acre Huntersville-Badoura fire in August ROD SANDO served for several days as Fire Behavior Officer and Air Support Officer with the DNR. MERLE MEYER and his staff from the Remote Sensing Lab of the

College, flew aerial photo reconnaissance for many of the large fires in northern Minnesota. These provided testing for an aerial photo system where heavy smoke penetration was a factor. The results gave the fire crews up-to-date photo maps which they indicated were of great value to them in suppression activities.

Student volunteers from the College worked on several fires in the spring of 1976 assisting the DNR. In addition, the College organized a student crew which spend a week on mop-up activities on the Huntersville fire under the leadership of TOM SCHNADT, AL ALM and FRANK IRVING organized and trained student fire crews at the Cloquet session in the fall of 1976. These crews were called upon several times by DNR to assist on project fires.

Among other involvements, MARV SMITH and FRANK IRVING worked through the Extension Service in seeing that news releases appropriate to prevention and suppression activities were issued.

The second area where the specialized service capabilities of the College were brought to bear on a major crisis problem was with the utilization of Dutch elm diseased trees in the metropolitan area. JOHN HAYGREEN and KARL KETTER of the Department of Forest Products are working with the Minnesota Department of Transportation (DOT) on the possible utilization of lumber made from these trees in the highway sound barriers being constructed along major freeways in the Twin Cities area. Very large volumes of wood are presently being used in the construction of these barriers, most of it southern pine. Haygreen suggested to DOT that elm might be suitable for this if it is properly dried and fastened. As a result, DOT will build a test sound barrier section this late spring using a design of the Forest Products Department.

Should this test prove successful, a major outlet would be found for a significant volume of diseased material now creating a serious disposal problem. Cost savings to the State could be substantial both in terms of disposal activities that would be averted as well as a direct reduction in the cost of the wood material itself. Prior to the contacts by Haygreen and Ketter, DOT had looked at elm for this use but had not been dissuaded as to its suitability.

LOOKING AHEAD

1978 will be the 75th Anniversary of the College. While plans are not now complete, we look forward to special recognition of this milestone in the annals of the College. We hope you will share in all or part of this celebration with us.

Meeting Our Needs Through People



*Frank Kaufert
dean emeritus*



*Richard Skok
dean
College of Forestry*



*Randolph Brown
professor emeritus*



*Ken Winsness
director of Student
Services*

FACULTY & STAFF



*Arnett Mace
department head
Forest Resources*



*John Haygreen
department head
Forest Products*



*Frank Irving
director of Graduate
Studies*



*Merle P. Meyer
Aerial Photography
Range, Remote Sensing*

Forest Resources



*Paul Ellefson
Forest Policy*



*Hans Gregersen
Economics*



*Ken Brooks
Hydrology*



*Dietmar Rose
Quantitative Management*



*Lawrence Merriam
Recreation*



*Timothy Knopp
Recreation*



*Rodney Sando
Forest Fire & Timber Management*



*Roy Mead
Aerial Photography
Remote Sensing*



*Lee Werth
Aerial Phogography
Remote Sensing*

Forest Resources



*Harold Scholten
Silviculture*



*Henry L. Hansen
Silviculture, Ecology*



*Carl Mohn
Dendrology, Genetics*



*Egolfs V. Bakuzis
Ecology*



*Vilis Kurmis
Ecology Research*



*Edward I. Suroff
Tree Physiology*

Extension



*Marvin Smith
extension specialist*



*Mary Ann Hellman
secretary, Extension*



*Carl Vogt
extension specialist*

Forest Products



*Jim Bowyer
Production Management*



*Ralph Hossfeld
Wood Chemistry*



*Ronald Neuman
Pulp and Paper*



*Roland Gertjens
Pulp and Paper*



*Robert Erickson
Wood Physics*



*Robert Thompson
Marketing*



*Lewis Hendricks
extension specialist*



*Henry Hall
Research*



*Gayle Gordon, Janelle Peterson,
Emily Sundeen, Carol Tri,*

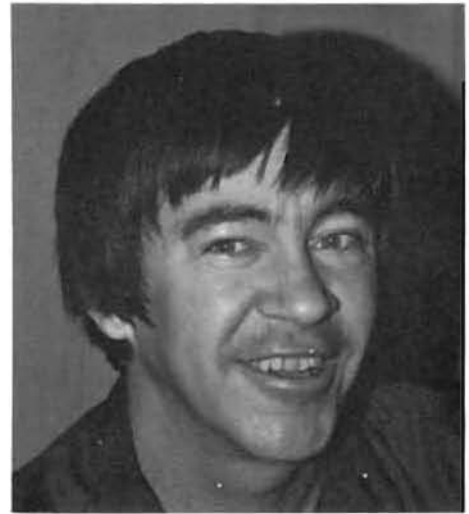
Cloquet Forestry Center



*Al Hallgren
Director, Cloquet Center
Forest Management*



*Al Alm
Cloquet Center
Silviculture*



*Ed White
Cloquet Center
Silviculture, Soils*



*Ray Jensen
Cloquet Center
Associate Scientist*



*Don VanOrmer
Cloquet Center
Forest Engineering*



*Arno Bergstrum
extension specialist*

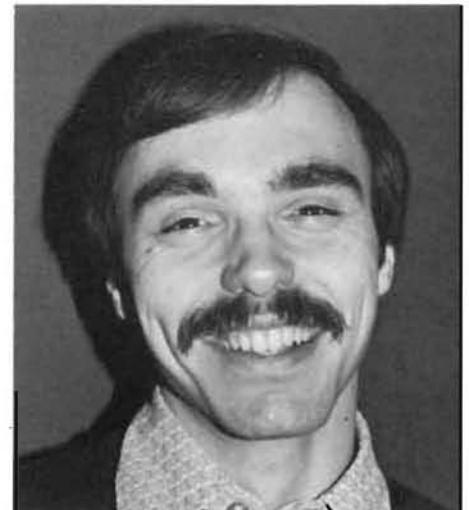
Ken's Office



*Tom Schnadt
Ken's Office
Teaching Specialist*



*Lavonne Markus
secretary, Ken's Office*



*Mike Kuether
secretary, Ken's Office*

Forestry Related Studies



*L. W. Krefting
Wildlife Research*



*David French
Forest Pathology*



*Herb Kulman
Forest Entomology*



*D.L. Frenzel
Fisheries and Wildlife*



*Front row: Linda Douglas, Phillis Zieske, Marilyn Workman.
Back row: Sue Peterson, Sue Passe, Anne Caton,*



*Phil Splett
Career Opportunities*



*Doreen Gerwing
secretary, Remote Sensing*



*Jean Albrecht, Diane Smith
Librarians*



IN MEMORIAM

William R. Miles

1922-1976

*professor and extension forester:
coordinator of Forestry Continuing
Education and Extension*

*College of Forestry and
Agricultural Extension Service
Institute of Agriculture, Forestry and
Home Economics
University of Minnesota*

William R. Miles, professor and extension forester, College of Forestry, University of Minnesota, died August 10 after a brief hospitalization.

A native of Idaho, Bill joined the University of Minnesota staff in 1959 as an extension forester. Prior to this he was employed for ten years by the Weyerhaeuser Company in Oregon and Washington. Since 1974 he served as coordinator of Forestry Extension and Continuing Education in the College of Forestry. He was a professor in the College of Forestry and taught courses in forestry and environmental education.

Bill was known nationally for his work in conservation and forestry education, and worked without stint toward improved forestry practices throughout the state. He served on several state and national committees, including chairmanship of the Governors' Environmental Education Council and the University Extension Environmental Education Program Development Committee in 1973. In 1974 he received the Environmental Quality Award from the Environmental Protection Agency. Most recently he was instrumental as a member of the National ECOP Subcommittee for Agriculture, Forestry, and Related Industries in developing a special report on Extension Education in Forestry published in January 1976.

Active in the Society of American Foresters, Bill held elective office in the Upper Mississippi Valley Section and served as chairman or member of many committees in the past 15 years.

Bill will be remembered most for his concern for people, his generosity with his time and talent, his dedication to the mission of extension, and for his unflinching courage. Those who knew him were enriched by his vitality, friendliness and concern for others.

Seniors

DARYL W. AIKEN

"Porcupine"—FRD—F-Club '73-77. Management Trip Chairman '76. Park Ranger Wisc. DNR '72-75. Portage Crew USFS Superior Nat'l. For. '76.



RALPH AMATEIS

FR—IM Sports. Forest Technician '76.



GAIL ANDERSON

FRD—FRD—F-Club '74. F-Day Queen '74. IM Sports '74-76. Assistant Cloquet Social Chairlady fall 1976.



V. MICHAEL ANDERSON

FRD—IM Sports '75-76. IVCF President '76-77. Foreman for Brushing Crew. St. Louis County, '75-76.



MARK ANDREWS

FS—IM Sports '76. Tree Inspector city of Minnetonka '76.



TOM BAKER

FR



REED ALAN BALES

FRD



KATHLEEN BARRETT

FR—Cooperative Education Program '76.



Mike Becker

FRD



NANCY BECKWITH

FRD—F-Club Canoe Chairperson '75-76. F-Day Field events Co-Chairperson '76. IM Sports '75-76. Fire Suppression Crew Fremont Nat'l. Forest '75. Hydrology Aid Tongrass Nat'l Forest '76.



ROBERT BEHREDS
 FR — IM Sports '76-77, F-Club '76-77, Forest Technician
 Chippewa National Forest '76.



ROBIN BIESECKER
 FRD

KIP BOLSTAD
 FR — For P Marketing, F-Club '73-76, Xi Sigma Pi '75,
 Farmhouse Frat '75-76, IM Sports '74-76, Lampert Lumber
 Yard '71-74.



CAROL BOOTH
 FRD — IM Sports '74-77, Forestry Aid USFS Olympic
 Nat'l For. '75, Park Aid NPS Olympic Nat'l For. '76.

JAMES W. BUSH
 "Bushman" — FRD — F-Club '73, Forestry Aid Targhee
 Nat'l For. '74, Forestry Aid Rogue River Nat'l For. '75,
 Forest Worker Shoshone Nat'l For. '76.



CAROL CZAIA
 FRD — F-Club '73-77, St. Paul Board of Colleges '74-76,
 Student Center Board of Governors '75-76, Xi Sigma Pi
 Ranger '76-77, Bull of the Woods Editor '74-75, Student
 Faculty Board '73-75, Assistant Extension Forester U of M
 '75-76, Timber Marker USFS Black Hills '76.

KRIS A. DENHARDT
 FRD — F-Club '76-77, IM Sports '76-77, Management Trip
 Co-Chairman '76, Campground Ranger Wisc. DNR '76
 Boulder Junction Wisc.



STEVEN DEWAR
 FRD

Tom Fasteland
 FRD, Student Faculty Board, 1976-77, Ho-
 nor Case Commission 1976-77, Sargeant at
 Arms 1975-76.



ROBERT FINLAYSON
 FRD — F-Club '75-77, Recreation Technician BLM Battle
 Mountain Nevada '76.

DANIEL FITSPATRICK
 FRD



PAUL DOUGLAS FONTAINE
 FRD

TED FULTON
FRD — Blandin Paper Co. Woodlands Div. '74-75, Forest Technician USFS Idaho '76.



STEVE GARTY
FRD

JOE GATES
FS — F-Club '76-77, Xi Sigma Pi '76, Foresters' Conclave '76.



JIM GOHMAN
FRD — Forestry Aid USFS Kremmling Colorado '76.

LESLIE GONYER
"Lestifer" — Hydrology — F-Club '74-77, Conclave Team '75-76, (Captain in 1976), IM Sports '76-77, Xi Sigma Pi '76, Forestry Aid Ashley Nat. For. '74, Forestry Technician Gila Nat. For. '75, Forestry Technician Pacific NW Exp. Station '76.



GREG C. GROENJES
FRD — Crew lead man Asplundh Tree Expert Co. '76.

JIM HALQUIST
FS — Xi Sigma Pi '76, Research Tech. U of M '76-77.



DAN HANSON
FRD — IM Sports '76-77, Snowmobile construction Minn. DNR '76.

BRIAN HAUGEN
FRD — IM Sports '75, Forestry Technician BLM. Oregon '76.



WILLIAM HELIN
FRD

PHIL HELLERUD
FRD — F-Club '77, Society of American Foresters '77, IM Sports '75-77.



THOMAS A. HERRETT
FR — Forestry Technician USFS Black Hills Nat'l For. '76.

FRD DALE HIGGINS



FRD RICHARD HOLMBOE

LESTER W. HOUSE
"Les" — Forest Products, Pulp & Paper Technology—IM Sports, Technician Service Hoerner Waldorf Corp. '76-77.



ALLAN G. JACKSON
FRD — Forestry Aid (Fire Crew) Colville Nat'l Forest '75, Forestry Aid Gifford Pinchot Nat'l Forest '76.

FRD GREG JOHNSON



WILLIAM J. JUDD
FRD — Forestry Technician for 8 years with the USFS in Ely, Minnesota.

BARBARA KELLAM
FR — F-Club '73-77 (Treasurer in '76), Christmas Tree Co-Chairman '75, F-Day Prize Co-Chairman '74, Bonfire Co-Chairman '74, Gopher Peavey Photographer '73-77 (Head in '76), Forestry Aid USFS Idaho '76, Forestry Aid & Tech '74-76 North Central For. Exp. Station., Lab Tech. College of Forestry '75.



FRD PHILLIP KNUTH

BRENDA G. KRUGLER
FRD — F-Club '75-77, IM Sports '76-77 (co-chairman), Gopher Peavey Alumni Sales '76, Student Sales '77.



FRD DUANE ALAN KUSS

FRD PAUL LARSON
— Student Forester DNR '71-72.



LARRY LINDHOLM
FRD — IM Sports '75-77, Canoe outfitter/router in Ely '72-76, Fire fighter USFS in Ely '76, Trail worker Minn. DNR '76.

STUART LOVEJOY
 FRD — F-Club '73-76, Conclave '73, Bull of the Woods Editor '76-77, IM Sports '76, Recreation Project Crew USFS Colorado '74, Trail Crew Foreman '75, Recreation Area Manager USFS Colorado '76.



DAVE MARSHALL
 FRD

CHARLES MEYER
 FRD



TIMOTHY ROBERT MEYER
 FRD

EILEEN MARIE MILLER
 FRD — F-Club, Spring Dance Chairman '76.



DAVID JOHN MITAL
 FRD

KIM MORTENSON
 "Mort" — FRD — F-Club '76-77, IM Sports '74-77, Tree Inspector Environmental Technology Corp. '76.



TOM MULLEN
 FRD — IM Sports '74-75.

KAREN MUNSON
 "Muns" — FRD — IM Sports '75-77, F-Club '75-77, Conclave Team '76, Forestry Technician '76 USFS Black Hills Nat. For.



JOE OSFAR
 Forest Products, Pulp & Paper — FP Club '76-77, Pulp and Paper Technician for Hoerner-Waldorf Corp. '76.

SALLY PALM
 FS — F-Club '73-76, Secretary '75-76, Xi Sigma Pi '75, Curr. Revision Comm. '75, Firewood Co-Chairman '74-75, IM Sports '74, YCC Team Leader, Chippewa '74.



MICHAEL PATNEAU
 FR — F-Club '75-77, Vice-president '77, IM Sports '75-77, Forestry Aid Minn. DNR '74, Intern Weyerhaeuser, Mountain Pine Ark. '76.

JON PETERSON
 FP, Pulp & Paper Tech. — Waksurs '75-77, F-Club '75-76,
 IM Sports '75-77, FP Club '75-77, Forestry Technician
 Boise Cascade '76.



SUSAN PFLAGER
 FRD — F-Club '74-76, Fire Crew member USFS Umatilla
 Nat'l For. '75, Erosion Control Crew Gifford Nat'l For. '76.



FRD THOMAS PING



FRD WENDY ANN RADSLIFF



FRD MICHAEL PETER RALSTON



FRD RANDY ROEPKE



JERRY ROSENTHAL
 "Crackman" — FRD — IM Sports '77, Fire Crew DNR
 Palisade '77.



JOHN A. ROYCE
 FR — Archery Club '73-77 Treasurer, Forestry Technician
 USFS Sundance, Wyoming '76.



FRD PAUL SCHMITZ



MARK SCHNOBRICH
 "The Flasher" — FR — Conclave '76, Field Forester of the
 Year Comm. '75-76, Student Faculty Board '76-77, TCSEA
 '76-77, F-Club '75-77, Tree Inspector city of Eagan '76.



HERBERT F. SLECHTA
 "Herb" — FRD — F-Club '72-77, Conclave Team member
 '75-76, Captain '76, Sargeant at Arms '75-76, Spring Picnic
 Chairman '73, IM Sports '72-77, Forest Tech USFS Hill
 City S.D. '76, Forest Tech USFS Creede, Colo., Student
 Assistant Minn. DNR '74.



FRD JOSEPH SPINAZOLA



FRD

CRAIG STERLE



JOHN STUVLAND
FRD—IM Sports '76, F-Club '76.

JOHN F. THURMES
FS—IM Sports '73-77, F-Club '75-77, Gopher Peavey Business Manager '76-77, Scargent at Arms '76, Christmas Tree Co-Chairman '76, Forestry Aid USFS Superior Nat'l For. '76.



FRD
DALE TREENDA

FRD

CRAIG SCOTT TWEEDALE



FRD
TERRANCE LEE VIRDEN

DEBORAH WETTERLIN
FRD—IM Sports '75-77, F-Club '75-77, Secretary '76-77, Inter Varsity staff '75-77, CCD Teacher '75-76, Intern Naturalist '77, YCC Chippewa Nat'l For. '76.



BILL ZACHMANN
"Zach" or "Sol"—FRD—Beer Consumption always, IM Sports '72-76, Cutover Land Inspection Boise Cascade Corp. '76, Helitack Fireman USFS Umatilla Nat'l For. '75.

GARY ZIELSKE
"Z"—FRD—IM Sports '76-77, Table Tennis Tournament '74-77, 2nd place all U class AA '77, Timber Marker USFS Modoc Nat'l. For. '75-76, Fire Crew Minn. DNR Carlos Avery '76.



Merle Adams
 Mark Alness
 Scott Anderson
 Martin Asleson
 Robert Barrett
 Andrew Bellcourt
 Jeff Brandel
 Paul Brandt
 Todd Bredesen
 Kirk Brown
 Steven Carlson
 Kent Christenson
 William Deblon
 Douglas
 Dennee
 Dwight Dexter
 Steven Earley
 Allen Edgren
 Daniel Erkkila
 Michael Deda
 Joseph Fitting
 Stephen Elackey
 Robert Fogel
 Juel Foss
 Stephen Fridgen
 David Haavik
 Robert Haberman
 Kathleen Hagman
 Jim Hamer
 Danny Haugen
 Lynn Hawkins
 Richard Hawkins
 Anne Hedstrom

Bernie Herron
 Howard Hoganson
 Tarin Holasek
 Kenneth Holman
 Wayne Holstrom
 Timothy Howard
 Christine Humphrey
 Patrick Ivory
 Cheryl Johnson
 David Johnson
 Mark Johnson
 Mark E. Johnson
 Nancy Johnson
 Timothy Jungers
 William Kattner
 Jonathon Kemske
 Charlene King
 James Koehn
 Jerald Kottke
 Martha Krueger
 Keith Laugen
 Roger Lembrick
 Jim Lewis
 Terrance Lindquist
 William Lundberg
 Tedd Mattke
 Michael McDonald
 Charles McDonnell
 Randall Mehberg
 Jon Menten
 William Mielke
 Steven Mozis
 Timothy Murphy

Richard Nau
 William Nightingale
 Steven Olson
 John Oschwald
 Thomas Perry
 Tim Peterson
 Darryl Pfeifer
 William Pullin
 David Rasmussen
 Patricia Raymond
 Paul Reeker
 Barbara Reher
 Robin Reiser
 Frederick Rengel
 Timothy Richardson
 Steven Rosenberg
 Mark Salisbury
 Dennis Savory
 William Schlachter
 Roger Schneider
 Larry Shannon
 Michael Smyth
 Scott Sorensen
 William Stanforth
 Wendy Stone
 William Stoneman
 Wendell Wallace
 David Wilkening
 David Williams
 Richard Zabel
 Andrew Zawacke
 John Zumwalde



Seniors Tom Fastland and Karen Munson prepare for the tobacco spitting event at Foresters' Day 1977.

Juniors



Front row—Karen Dahl, Carole Jokela, Rene Needham, Kathy Peterson, Tim Kennedy, Mike Wadman, Timothy Stocker.
 Middle row—Michael Volpe, Douglas Ritchie, Patricia Erickson, Teresa Kunze, Mary Strutzel, Jon Tweedale, Ken Olson.
 Back row—Jeff Fisker, Tom Sheffield, David Hawes, Ron Shimon, Doug Johnson, Harvey Tjader, Mark Wallin, Ron Stoffel, Glenn Givens.

Peavey files strike again!
 Sorry! Junior pictures were
 damaged in the developing stage.



*Due to conditions
completely within our
control...*

Front row—Cindy Ratzlaff, Willie Mays, Henry Aaron, Lynn Post, Mike Doroff, Duncan J. Ferguson, Wesley Murnane, Greg Aanenson, Frank Davis, Bonnie Beaubaire, Cressy Wheeler. Middle row—Jon Rowe, Peter Aube, Craig Lundorff, Greg Holliday, Donald Nast, Bob Quady, Jay Jordan, Cindy Miner, Steve Kircher, Lynn Monson. Back row—Larry Dee, Leonard Blume, Tim Hepder, Tim Tollefson, Steve Schwab, Jeff Lamb, Gary Kruse, Michael Oggie, John Donelson, Philip Stegemoeller, Bruce Osvold, Peter Hanson, John Lahti, Jeff Kehrer, Gary Erickson, Bruce Connolly, Paul Hessburg, Lee Westfield.

OTHER JUNIORS IN THE COLLEGE OF FORESTRY

Joanne Alt
Brian Asmus
Duwayne Banks
David Bathel
Gregory Berlin
Raymond Berttula
Paul Bohan
Thomas Brown
Jong Bruhn
Thomas Bruns
Robert Carroll
Jay Carstenbrock
Gerald Cleveland
James Coffman
Curtis Cogan
John Condon
Terrance Cundy
Paul Cuthbert
James Dean
Thomas Diener
Myra Doering
Patricia Driher
Richard Eutenetuer
Gor Flatebo
John Goad
Greg Goet
David Gullifer
Michael Haasken
Cayce Halvorson
Richard Hanger

Timothy Hepola
Thomas Hoffman
Charles Hughes
Bruce Johnson
Robert Kase
David Kask
Scott Kennedy
Randy King
Stafford King
John Koscielak
John Kramer
Jeffrey Larson
Timothy Larson
Richard Leibbrand
Michael Lindgren
Kevin Low
Elisabeth Lutze
Rosemary Maltese
Michael Mann
Craig Martin
Mark Martin
James Mattson
William Mcardell
Jill Nauman
Gary Nesselth
Anthony Newman
Edward Orgorzalek
Warren Oja
Daniel Oleson
Craig Olson

Robert Pabst
Gordon Peterson
Paul Pokorny
Kathleen Priebe
Bradley Rhodes
James Rusinak
Anthony Schoenecker
William Schuckert
Paul Severson
Scott Sheldon
Kenneth Simonson
Michael Slevin
George Stiles
Thomas Strahl
Miley Sutherland
Steven Tabat
Richard Thomas
Robert Tomlinson
John Troop
David Ulrich
James Vogt
Keith Wahoske
Allan Waller
Paul Wannarka
Gary Wemeier
Thomas Whalen
Timothy Worms



Sophomores



Tony VanRossum, Cindy Lunning, Mark Bedor, Nancy Williams, Merv Eyer.

OTHER SOPHOMORES IN THE COLLEGE OF FORESTRY

Clyde Ahlquist
 Paul Anderson
 David Backora
 Mike Baker
 Mimi Barzen
 Jaurel Beck
 Steven Benson
 Lorie Benzie
 Becky Bertsch
 Thomas Bigelback
 Kathleen Blake
 Christopher Brokl
 Robert Bullock
 Karol Carlson
 Susan Carpenter
 Daniel Chapman
 Michael Checky
 Mike Chiasson
 Warren Christie
 Christopher Conway
 Bruce Countryman
 Mark Crowley
 John Daniels
 Karen Deaven
 Bradley Derhaag
 Mark Dey
 Terry Doyle
 Patrick Dwyer
 Barbara Ehrlich
 Kathleen Eisentrager
 Kathleen Eliason
 Kathy Feldkamp
 James Gabriel
 Steven Gerner
 Brian Giddings
 Christopher Gierymski
 Ronald Gockowski
 John Gosselin

Earl Greene
 Steven Gustafson
 Mark Hagen
 Gary Hahn
 Ralph Hansen
 Charles Hardy
 Jim Haygreen
 Wynn Herbst
 Melody Himanga
 Randall Hoffbeck
 Steven Holmberg
 Michael Howell
 Julie Jensen
 Mark Johnson
 Paul Johnson
 Steven Johnson
 Fred Kamke
 Shelia Kannianen
 Steven Kock
 Vicki Koehler
 Vincent Labandz
 Steven Lafreniere
 John Lenarz
 William Loscheider
 Donald Lucas
 Lowell Lunde
 James Lux
 Susan Madson
 Dean Makey
 Rodney Marquardt
 Colleen McCann
 Michael Mesarchik
 Martin Moen
 Carl Monson
 Thomas Montzka
 Peggy Moreau
 Ed Nelson
 Jon Nelson

Sheryl Nelson
 David Nichols
 Thomas Nichols
 Charles Niska
 Marc Nyman
 Scott Nystrom
 Kevin Oconnor
 Timothy Olson
 Kathleen O'Reilly
 Perter Ostlund
 Duane Phinney
 Brian Pisarek
 Michael Potter
 Douglas Proctor
 Philip Qualley
 Nicholas Reller
 Jeffrey Rosales
 Sheila Schamuhn
 David Scheer
 Gerald Schloegel
 Donald Schofield
 Joan Schroeder
 David Schuller
 Curtins Schultz
 Thomas Schuster
 Jeffrey Shaw
 Michael Shepard
 Thomas Shuberg
 Deborah Sienko
 Scott Spatafore
 John Sullivan
 Craig Vansickle
 Daniel Walton
 Ramon Wiedman
 Frank Winn
 Alan Wohl

Freshmen



Pete Willis, Margaret Crowley, Steve Edgar, Paul Christensen.



Pre-Med (soon to be admitted to ????)

OTHER FRESHMEN IN THE COLLEGE OF FORESTRY

- David Banta
- Alan Beckman
- Mitchell Bouchonville
- Nancy Broekemeier
- Charles Brotzler
- Carol Buche
- Sheila Burke
- Patrick Callahan
- Thomas Crumpton
- Rita Czech
- Thomas Dean
- Bradley Deitner
- Chadwick Dunn
- Miles Dunne
- Scott Ellsworth
- Scott Erickson
- David Finley
- Cynthia Freeman
- Erich Grebner
- Daniel Grindy
- Ronald Grogg
- Alfred Grundner
- Steven Gumbrell
- Timothy Gusk
- Cheryl Gustafson
- Gary Hallberg
- Terry Hassler
- Russel Henly
- Mathew Himanga
- Terry Isaacson
- Jane Ista
- Jeffrey Johnson
- Charles Kersten
- Jeffery Kiess
- Gary Kincaid
- Thimas Kittel
- Kent Knutson
- John Korzeniowske
- Kent Kramer
- Graig Krueger
- Steven Kuchera
- Susan Lambertz
- Daniel Long
- John Malenick
- Joseph Mayrand
- James Menke
- Paul Meyer
- William Mielke
- Mitchell Mund
- Brian Murray
- Joseph Nabbeffeld
- James Nelson
- Kim Nygaard
- Patrick O'Brien
- Gretchen Oestreich
- Virginia Osadchuk
- David Panning
- Rena Perwien
- David Phillippe
- Keith Randa
- Charles Remus
- Melinda Reuvers
- Danny Richardson
- Athena Rogers
- Robert Ronge
- Anthony Roth
- David Sakoda
- Richard Schibur
- Jeffrey Schommer
- Jeffrey Schultz
- Jeffrey Scully
- Carol Stanoch
- Michael Stenquist
- David Stephenson
- Michael Swanson
- Brad Thompson
- Brian Utzman
- David Wedin
- William Wipson
- Daren Wysocki
- Steven Zylkowski



Graduate Students



Name	Degree Objective	Area of Specialization	Adviser
Aaseng, Norman	M.S.	Ecology	Hansen
Aslesen, David	M.S.	Management	Mace
Baker, Neal	M.S.	Forest Products	Erickson
Ballman, Gary	M.S.	Recreation	Merriam
Beaulieu, Bertram	M.S.	Physiology	Sucoff
Borovsky, John	M.S.	Ecology	Brown
Braaten, Glen	M.F.	Silviculture	Alm
Brown, Daryl	M.S.	Forest Products	Gertjeansen
Burk, Thomas	M.S.	Biometrics	Rose
Carino, Honorio	Ph.D.	Production Management	Haygreen
Caron, Loyola	M.S.	Remote Sensing	Meyer
Chopp, Michael	M.F.	Management	Irving
Coto, Zahrial	Ph.D.	Wood Science and Tech	Erickson
Cubbage, Frederick	M.S.	Economics	Ellelson
Dark, Dennis	M.S.	Forest Products	Hendricks
Dittmarsen, Scott	M.S.	Ecology	Alm
Dougherty, Boyce	M.S.	Forestry Products	Bowyer
Elwood, Norman	M.S.	Biometrics	Rose
Emerson, Patricia	M.S.	Forest Management	Irving
Fiedler, Carl	Ph.D.	Forest Resources	White
Ganzel, Peter	M.F.	Geology—Soils	Hallgren-Kurmis
Gnanaharan, R.	Ph.D.	Particleboard	Haygreen
Green, David	M.S.	Forest Soils	Grigal
Grove, John	M.S.	Economics	Ellelson
Haertel, James	M.S.	Hydrology	Brooks
Hagen, Roy	M.S.	Remote Sensing & Ecology	Meyer
Halvorson, James	M.S.	Silviculture	Hanson
Harou, Patrice	Ph.D.	Economics	Gregersen
Hermann, James	M.S.	Forest Products Pathology	Haygreen
Houghtaling, Thomas	Ph.D.	Economics	Gregersen
Hyun, Jung Oh	Ph.D.	Forest Genetics	Mohn
Jakes, Pam	M.S.	Forest Economics	Ellelson
Jensen, Mark*	M.S.	Remote Sensing & Ecology	Meyer
Johnson, Jon	M.S.	Tree Physiology	Sucoff
Jokela, Eric	M.S.	Silviculture	White
Kaliher, Frances	M.F.	Silviculture	Scnolten
Kirwan, Jeffrey	M.F.	Recreation—Ecology	Merriam
Lempert, Jay	M.F.	Remote Sensing	Meyer
Lewis, Jeffrey	M.S.	Hydrology	Brooks
Lin, Ming-Juinn	M.S.	Forest Resources	Ellelson
Lindgren, Richard	M.F.	Hydrology	Mace
Loesch, Michael	Ph.D.	Forest Recreation	Merriam-Knopp
Massey, Joe	Ph.D.	Economics	Gregersen
Matich, Vera*	M.F.	Hydrology & Planning	Brooks
Mead, Roy	Ph.D.	Remote Sensing	Meyer
Milton, Floyd Thomas	M.S.	Forest Products	Erickson
Mindajao, Narciso	Ph.D.	Forest Economics	Gregersen
Minor, John	M.S.	Forest Genetics	Mohn
Moody, Norman	M.F.	Ecology & Silviculture	Hansen
Moritz, Raymond	M.S.	Silviculture	Hansen
Murphy, Dennis	M.F.	Forest Resources	Knopp
Nash, Michael	M.S.	Remote Sensing	Meyer
Norrgard, Ray	M.S.	Recreation-Management	Knopp
Okoro, Samuel	Ph.D.	Particleboard	Gertjeansen
O'Laughlin, Jay	M.S.	Recreation	Merriam
Olson, Jeffrey	M.S.	Economics	Gregersen
Olson, John	M.F.	Ecology	Kurmis
Outcalt, Kenneth	M.S.	Forest Silviculture	White
Owens, Thomas	M.S.	Management	Sando-Irving
Palm, Sally	M.S.	Economics	Ellelson
Patterson, William	Ph.D.	Paleoecology	Hansen
Potter, Karen	M.S.	Biometrics	Rose
Predmore, Stephen	M.S.	Hydrology	Brooks
Quarles, Stephen	M.S.	Forest Products	Haygreen
Raines, Dana	M.S.	Physiology	Sucoff
Riemenschneider, Don	M.S.	Genetics	Mohn
Riitters, Kurt	M.F.	Biometrics	Rose
Rose, Christine	M.S.	Wildlife	Merriam
Ruhl, James	M.F.	Hydrology	Mace
Samways, Marsha	M.F.	Technical writing	Irving
Sando, Rodney	Ph.D.	Forest Management	Irving
Scheierl, Robert	M.S.	Forest ecology	Mace
Shy, Bradley	M.S.	Forest Products	Getjeansen
Splett, Philip	M.S.	Management	Irving
Stiegler, Jeanette	M.S.	Hydrology	Brooks
Stockbridge, James	M.S.	Silviculture	Brown
Tienken, Andres	M.S.	Economics	Gregersen
Wagner, Lloyd	Ph.D.	Soils	White
Walburg, Gaute	M.S.	Biology	Hansen
Walling, Truman	M.F.	Forest Resources	Ellelson
Weible, Ralph	M.S.	Economics	Ellelson
Werth, Lee	Ph.D.	Remote Sensing	Meyer
White, Alan	Ph.D.	Ecology-Silviculture	Hansen
Weicherding, Pat	M.S.	Forest Resources	Scholten
Wolford, Ross	M.S.	Hydrology	Brooks
Zarges, Ronald	M.S.	Pulp and Paper	Neuman

UNDERGRADUATE STUDENT AWARDS AND SCHOLARSHIPS

<i>Federated Garden Clubs of Minnesota</i>	<i>Joanne Alt '78, William Helin '77, Patrick Ivory '77, Douglas Johnson '77, Timothy Larsen '78.</i>
<i>E.G. Cheyney Memorial Scholarship</i>	<i>Douglas Denee '77, Kenneth Holman '77, Steve Rosenburg '77.</i>
<i>William Miles Memorial Scholarship</i>	<i>Michael Patneau '77.</i>
<i>Henry Schmitz Student Leadership Awards</i>	<i>Michael Lindgren '77, Wendy Stone '77, John Thurmes '77, Andrew Zawacki '77, Robin Beeman '77.</i>
<i>Samuel B. Green</i>	<i>David Mital '77.</i>
<i>Oscar Mather</i>	<i>Barbara Kellam '77.</i>
<i>Augustus Searles Scholarship</i>	<i>Maurine Needham '78.</i>
<i>Lindgren (Carolind) Scholarship</i>	<i>Don Erkkila '77, Tim Meyer '77.</i>
<i>Charles Lathrep Pack Scholarship</i>	<i>Robert Behrends '77, Eileen Miller '77.</i>
<i>Caleb Dorr Scholarship</i>	<i>Paul Christiansen '80, Karen Dahl '78, James Nelson '79.</i>

Our Student Representatives

Student Faculty Board

Mathew Himanga (co-chairperson) '80
Fred Baker '76
Terry Doyle '79
Tom Fasteland '77
David Green (graduate student)
Jeff Lewis (graduate student)
Mike Lindgren '78
Cindy Lunning '79
Fred Rengel '78
Wendy Stone '78

St. Paul Board of Colleges

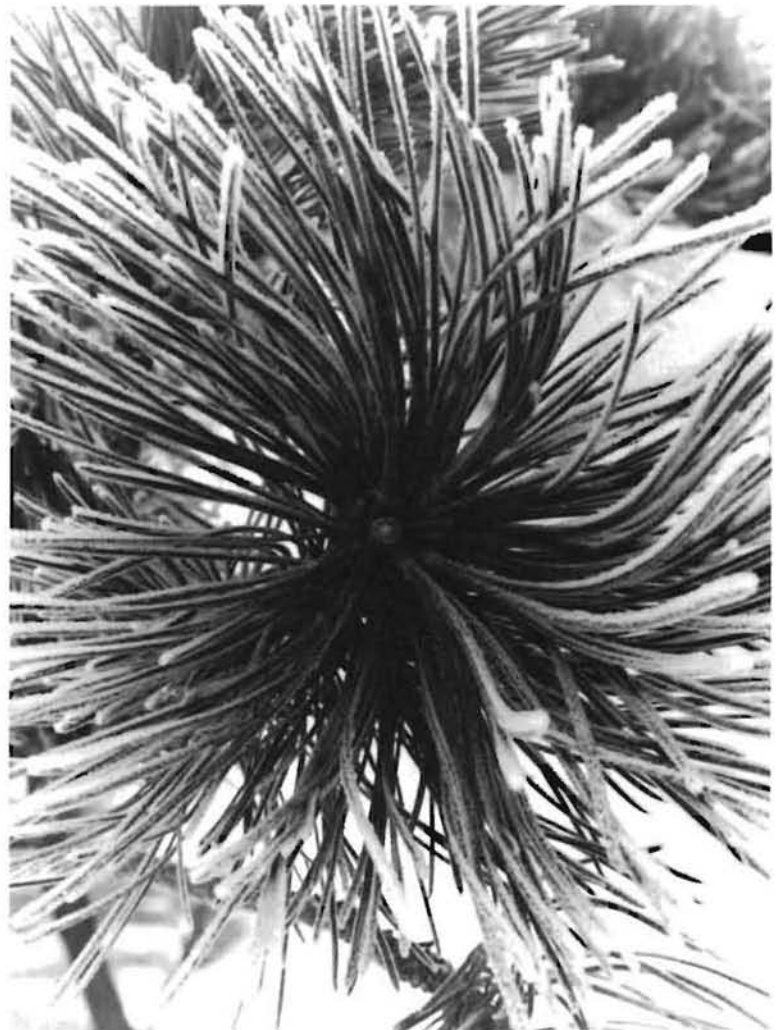
Duncan Ferguson '78
Linda Peterson '79

TCSA Student Senator

Mark Schnobrich '77

Student Center Board of Governors

Ann Hedstrom
Loyola Caron
Tim Kennedy '78



Meeting Our Needs Through Student Activities

The Quenchless Search for Education

by Daryl Aiken

On a 'quenchless search for education', students from our college participated in the 1976 management trip.

Crews of truly dedicated students left Green Hall Friday, May 7, bound for Boulder Junction, Wisconsin. One hardy crew arrived at Jag Lake campground that afternoon, others pulled in at 2:00 a.m. Saturday morning to raise havoc. In the interest of restoring peace to the Northern woods, a number of us shed our sleeping bags to complete an investigation under way of the short-term effects of beer consumption.

Rising at 6:00 a.m., we ate a breakfast of oatmeal (yech!). We packed and left for the DNR State Fish Hatchery in Woodruff. Mr. Lensert gave us an interesting tour of the hatchery. He explained netting, spawning, and incubation techniques, and the methods used in the rearing of game fish for sport. We arrived at a time when Muskies were hatching in the incubation jars.

After roaming the grounds of the hatchery, we found that we had some spare time before our next tour. We departed for Sweeney Lake where a Blue Heron rookery is located. This unscheduled tour turned out to be one of the more exciting for those who had never seen the Great Blue Herons or their nesting grounds.

The birds resembled prehistoric Pterodactyls as they soared over the hemlocks which towered above us. They screeched disapproval at us outsiders. Not wishing to disturb them, we hurriedly took our pictures and left so that the serenity could be restored.

Lunch was eaten by (and in, for some) the icy waters of Clear Lake before we began a tour of Forest Management Practices on the Northern Highland State Forest in



Weary-eyed foresters hear fishy stories at the State Fish Hatchery in Woodruff, Wisconsin.

Wisconsin. The tour began at the Trout Lake Forestry Headquarters where we met Ralph Hewett and Donald Bur. A brief history of the forest was given before we took to the field to be shown numerous points of interest. We were first shown how buffer zones are used for aesthetic reasons between harvest sites and roads or lakes. Next we were shown an oak stand being harvested for pulp. Later stops included sites where mechanized tree harvesting had taken place, data collecting sites for the continuing study of diseases, and cut-over stands where regeneration was being

encouraged. The tour ended at the Crystal-Musky campground, the largest campground in this forest. A talk was given on the recreational aspects of Forestry.

The trip proved to be very rewarding, but then I've been known to have a soft spot for Northern Wisconsin.

A special thanks to Ken Brooks for helping us make this trip possible and to our guides in Wisconsin who missed opening day of the fishing season so we could learn more of what Forestry is all about.



Fishville USA was "scaled" by students.

The Dream Itself

by Kris Denhardt

Picture in your mind a vacationland that has drawn you back to it almost every summer weekend since you were ten years old. You've spent countless hours fishing, hiking, swimming, and enjoying the land each time you returned. Suddenly an impossible dream comes true—you spend an entire summer there! You have been accepted for a job which you thought you could only wish for.

Well, this was the situation I found myself in last summer. Believe me, I had to close and open my eyes quite a few times before I believed it was really happening. I found, however, that a dream come true is not as good as the dream itself.

I was a campground ranger with the Wisconsin DNR in Boulder Junction, Wisconsin. Since relatives had a lake cabin within 20 miles of the headquarters, I had ideal living quarters. A short drive would get me to work at 7:45 a.m. I would pick up registration materials, get any special instructions for my camp area, and then head out to meet the friendly campers. Friendly was not always the proper word, however.

I would often arrive at the campground to find the early birds who chose to peck at me instead of their worms. Typical complaints were: "Why aren't the fish biting?" "Will you tell our neighbors to shut their dog up?" "Will you tell our neighbors to stop feeding our dog bratwurst to make him shut up?" "Will you tell our neighbors to stop throwing partly eaten bratwurst in our campsite?"

Such complaints were usually handled with a minimum of effort.

The worst problems arose when campers ignored, forgot, or simply broke the rules. For instance, camping on a site is allowed only until 3:00 p.m. on the day of expiration. If a camper doesn't renew his site by 10:00 a.m. the day of expiration, his site can be sold to another party who may move in after 3:00 p.m. On one occasion, a camper registered for two days and thought that he had registered for three so he planned on staying another night but did not pay for it. Due to the fact that he never came

to renew the site, another family was sold this site and told that they could move in at 3:00 p.m. When the first family had not moved out, the new occupant who wanted to pitch camp became angry. I directed the first family to move out. They felt they had another night coming. I showed them the receipt; the father realized he had made the mistake. The wife and daughter-in-law tried to persuade me otherwise.

However, I remained unmoved and let the situation proceed as I had directed. Soon after, the women came to tell me how unreasonable I was and how they would report me to my seniors for firing. This was a crucial point in my ranger career. I realized . . . that I had . . . to handle the situation with authority or I would be through. I made sure they had my name spelled correctly for their report.

Situations such as these changed my attitude towards working in my dreamland. I realized people are people no matter where you go. Simply because they come to a place which is too beautiful to be true does not mean they will be beautiful as well. I still love Northern Wisconsin, but I will not expect unrealistic dreams to materialize when I become a full time forester.



Coach looks for that 'barr.'

A Score to Settle

by Daryl Aiken

As the school year wound to a close and students began scampering off to summer jobs, I was contacted by Phil Splett concerning a portage crew job in the Boundary Waters Canoe Area.

After sending in my application I received a letter of acceptance from District Ranger Wayne Smetanka on the Tofte District. I reported to work June 14, 1976.

A log cabin called the Sawbill Guard Station served as my living quarters. The station was located on Sawbill Lake, 25 miles up the trail from Tofte. Before checking into the cabin, I checked out the scenery, including the girls at the "Outfitters", and I knew I would have an enjoyable summer. And indeed the owners of the "Outfitters" turned out to be two of the nicest people I've ever met.

I shared the cabin with Bob Hakermann, Carl Elliot, and Roger Solberg. For two weeks we were in training. Unfortunately this included traveling down that 25 mile gravel jungle called the Sawbill Trail every morning at 6:30. We were trained for fire fighting and law enforcement. Training completed, we were ready to head into the Boundary Waters.

As the job description had mentioned, the work involved campsite maintenance and compliance checking. Two factors not mentioned, however, were mosquitos and bears. The first factor brought home many points. The second factor introduced itself on the eighth day of our second trip. I hadn't 'barr'-gained for any 'barrs', but there he was—one of our fringe benefits. This particular bear had pillaged through our food which we had left outside our tent. Realizing that our stomachs were short-changed for one day, we began to use our heads and tied our food in trees. Bears tried ingenious ways of getting the food but never had a prime climb time.

Summer wore into autumn. The woods became dryer and we were taken to another district to be placed on fire standby. By the end of two weeks of fireless sitting, I was ready to go back and put up with the bears! But at least our district was one of the few that did not burn up.

With the coming of September, school beckoned me once again out of the woods and into the classroom.

But the woods left a mark on me as they do with everyone who ventures forward to meet their challenge. I know I will go back.

Westward with Ted not Fred

or

North Dakota, the Old Master, and Gas

by Les Gonyer

Years ago, the cry of "Westward Ho!" was called among the hardy pioneers. Westward bound, these men, women, and children fought their way through windstorms, snowstorms, and faced near starvation.

Not so long ago, the cry of "Westward No!" was called among two foolhardy foresters. Westward bound along the I-94 trail, Les Gonyer and Ted Fulton fought their way through heat (due to faulty owner Les Gonyer, too cheap to buy an air conditioner), hailstorms (with hail the size of meteorites), and faced no starvation.

By the time we two reached "Stickville", Idaho (by way of the I-00029 trail), Ted wanted out. We were amazed at the outstanding ability of the Idaho engineers. It seemed they had meticulously disguised their major roads beneath several layers of high-quality dirt.

I left Ted not Fred to work at (not in) Kelly Creek Ranger Station in Idaho (not Nebraska).

All alone now in the depths of the Rocky Mountain Forests, I cried out, "Which way west?" (not east). I did three fast turnabouts and headed toward the setting sun (not daughter).

The most dread disease, known as droopy eyes, brought me to a halt in Walla Walla, Washington. The next morning with the rising sun, my back cried out, "Why did I west in a whittle car?"

The first day of my 12 week stay in Oregon I viewed the Cascade Mountain Range. Before I returned to Minnesota I saw many more beautiful sites such as Crater Lake, the Lava Cast Forest, the Giant Redwoods, and the Pacific Ocean.

In order to have money for gas to return home, I worked from time to time. My checks came from the Silviculture Lab, a division of the Northwest Experiment Station.

While at the lab I helped collect data for a Growth and Yield Study on White Fir and associated species. The crew I worked with developed a system for falling trees upon one another in hopes of receiving hazard

pay (unfortunately we only received lumps and bruises.)

Before long the time came to cry out, "Eastward Home!" I packed my bags and went searching for the Old Master, alias Ted not Fred.

By pure luck (or maybe not luck), I found our master in almost the same spot I had left him. Once upon the road, day quickly turned to night and then into another day. While catching 45 winks, I was aroused in North Dakota by a mysterious force. It appeared that the driver, Ted not Fred, had ventured beyond the capabilities of my gas tank (due to faulty owner Les Gonyer, too cheap to fix gas gauge).

To test wind direction, I promptly raised my thumb to the sky. Ted hit the ground to cry. Aided by a benevolent passer-by, we were once again Eastward bound.

In a short time we reached home, but it will be a long time before I forget, "Never mix North Dakota, the Old Master, and gas."

Golden Moments in Green Hall



"Golly gee, they didn't even spell (BEEP!) right!"



Ken Winsness boxes ears of photographer!

Cloquet: Bouncing Bog Recreation Area

by Brenda Kreugler
and Carol Czaia

The adventure began on Sunday, September 12, 1976 when 63 enthusiastic seniors (give or take a few graduate students) converged, one by one, on the Cloquet Forestry Center. Enthusiasm did not subside until we realized that the first meal wouldn't be until Monday morning. And it hit a new low after Monday morning breakfast.

However, after surviving the first agonizing night away from home, everyone was ready and eager to begin their learning experience. Al Alm went over the Do's and Don'ts of life "on campus", and the ordeal began. For some it meant traipsing through the woods for hours on end in search of the ever elusive "forty marker." Others began their silvicultural training by tying string around those trees unlucky enough to be marked for thinning. Why, do you suppose, we were not allowed to thin these stands? Just because most found it necessary to fell 40 (give or take a few) birch trees in order to find one with *Poria obliqua*. . . .

Once we had typed out our section of the forest (without mistake, I'm sure) it was time to spend a few hours with prism around neck, tally sheet on arm, and increment borer in teeth. Too bad the final report was cut short (a disappointment to all) by an explosive fire season.

Yes, we spent many a day (and night) fearlessly patrolling the fire line on that infamous "Kasbau Fire." Many a skill was acquired during these tense hours: how to (or why one should) avoid reporters; "What Willy Likes," walking fast so as not to melt the bottom of your boots; and the art of eating six lunches in one day—to name a few. It was during these action-packed hours that the *First Annual Fire Fighters Olympics* were held. Among the events were: clear-pushing, rock throwing, and shovel tossing, for accuracy, height, and distance. Of course, not to mention the hot-shot crews (did you say hot-shit?).

Next on the agenda came Dr. Mace and everybody's favorite—the

Environmental Impact Statement. Did you know that the quickest way to increase water yield is to a Saran Wrap your 5000 acres and collect the run-off?

But, don't be misled. We diligent, hard-working students did find a few minutes here and there for a bit of fun and relaxation. The road to Ray and Mabel's began to wear thin by the end of the quarter. Tom and Brian (conscientious students that they are) even conducted a survey at R and M's to see who, how many, and why people were recreating. Fortunately, they were not required to give an oral report.

And one cannot forget the invigorating games of volleyball (and basketball) with Doc White and Al Alm. We've always been rather partial to volleyballs down the throat, skinned shins, and sprained fingers.

Now, back to academics. One highlight of the Cloquet experience was the Forest Management Trip. This year we headed to Solon Springs, Wisconsin, Cass Lake, Brainerd, Grand Rapids, Grand Marais, and Cloquet (as usual). But, what do you do when you get to your motel in Grand Rapids and discover that your reservations have been cancelled because the second day of your trip was pre-empted by the fire situation?

Remember, forestry is a multiple-use endeavor, so one must not neglect the wildlife (animal type). Here we learned how to trap mice, saw the spot where a

woodcock sang in 1937, and where the first drumming log on the forest is located (was that on stop 1 or 3?).

Of course, within this multiple-use framework, recreation is a major consideration. And when the minds of 63 creative foresters are put to work, you end up with various assorted learning centers ranging from the "Bouncing Bog Recreation Area" to duck blinds and blasting potholes to clearcut and pave (Cloquet Forestry Center—is that a new shopping mall?).

Naturally, the next subject of importance would be Engineering (or is that last?). Don Van Ormer did his best to instruct us on the most efficient method for laying out curves—no comment.

Then came a section on utilization to finish off our rigorous learning experience. A tour through Diamond Match and a couple of lectures from Lew Hendricks (the Mad Chugger) proved to be a short but valuable look into the products side of forestry.

The whole session was topped off with the traditional kegger—a final opportunity to practice and discuss forestry skills. And the last chance for the professors to show off their dance floor techniques (watch out for Van Ormer!).

And so the quarter ended and the same 63 foresters went home with a little bit more of the forest under their skin, under their nails, in their eyes, and on the brain. Cloquet will never be the same—and neither will we.



Students learn to cut fingers



...and toes!



"Yes. THIS IS the famous soil pit!"



"OK, I'm ready for ping-pong"

The 1976 Cloquet-Itasca Session: A View from Outside the Soil Pits

by Rene Needham

Students, posing as normal, arrive at the Cloquet Forestry Center and are given an in-depth reconnaissance of the area. Pre-session hopes of spending many a free summer's evening relaxing on the volleyball court or with a warped pool cue in hand soon vanish with the first day of classes.

To all who attended either the Itasca or the Itasca-Cloquet field sessions, Forest Ecology meant complex reports, late hours, soil pits, and sore necks from determining crown classes. But Forest Ecology with Doc White took on unique dimensions for all at the Cloquet center this summer. It meant piling as many people as possible (all wearing yellow hardhats which made all look like M&M candies) into Gro's yellow convertible. It meant exploring the murky, sludge-filled depths of Norton Hall with Dr. Mace. It meant letting Doc White humiliate you at ping-pong to remain in his good graces. It meant trying to find the right Birch-Aspen stand. It meant Harvey overshooting his highest expectations by receiving 97 on his final report.

Important Forest Plants with Dr. Brown meant traversing forest, field, bog, and hornet's nests in search of new plants. Bee-cause of the dry summer, hornets abounded. Peter Aube and company could be seen returning from their evening plant walk at a speed any track star would be proud of. The urge to identify plants became irreplaceable to the extent that "after-dinner relaxation," playing the Magic Circle, was opted for attempts to relocate the pitcher plant or cow-wheat.

Field Forest Measurements meant walking around the woods, looking like pseudo-professional foresters with our cruiser sticks, clinometers, and unnaturally large paces. The compass traverse left Dr. Alm disappointed when everyone returned for supper with only scratched faces and foul tempers, proving the hazel brush could be conquered. The only time anyone came near to missing a meal was when Rosemary and Craig, in their running battle to prove who was the slower, teamed up for one memorable measurement class. As they wandered in to eat supper's leftovers, one table was heard to remark, "That's what I call laying down on the job."

We'll remember from our Cloquet-Itasca session the Labor Day Fire Crew. The closest anyone came to a fire was when the "chefs" burnt brownies in the kitchen. The

crew's only entertainment consisted of quick trips to Clare's Place for M&M's.

Though we learned about site indexes, soils, mesic succession, apocynum androsaemifolium and relatives, clinometers, and compasses, there remains one burning question for Marc Nyman. "Ahem, can you do this like I do this?"



The M&M crew prepared for invasion of Clare's Place.

Nurse Threatens to Suture

by Duncan Ferguson

Veterans of Itasca field sessions know there is much to learn within three weeks. This year, the fondness developed for ecology reports generated unique verbal forms of pensive release. Only after the nurse threatened to suture the mouths of late night yelpers, hooters, and froth-mouthed enthusiasts did the frequency of occurrence diminish.

Ecology reports became well known for the mysterious and elusive 'form' which we were to "learn as we were returned corrected reports."

Introductory experience with traversing, compassing, pacing, and estimating standing timber was not all it could have been due to the abnormally low water tables (resulting in dry feet) and low predatory insect populations.

A field trip to Chippewa National Forest was made. We observed facets of the Forest Services' activities such as: the expensive road that did not go anywhere, the beaver sewage treatment plant, and the missing eagle's nest. A tour of St. Regis' treated post, piling, and lumber operation was made informative by our guide H.R. DeVries.

Back at Itasca, a state employee informed us that 'ice cream' was not allowed in the park. He further informed our group that the violators of park regulations would be heavily sat upon. Of the 90 potential lawn chairs, none of us were so imprudent as to arouse the wrath of our friend. ("Walking Boss" Al Halgren managed us well!)



"Ice cream is not allowed in the park!"

This was fortunate for Big Molar and Buck Coon who were often kept at bay by Dick's Rustic Inn's Doberman Pincher. This Inn was our favorite gathering place for ice cream. Dick would not tolerate biologists, but found foresters all right. The main attraction here came from his abbreviated ears. "Were they truncate or serrate?"

Weekend runs to 'Bridji,' Chateau Paulette, or the Beaver Pond gave dancers, pool sharks, and

beaver hunters alike ample room to play their trades.

A tribute is due the teaching staff who spent countless hours outside of structured class time for review sessions and questions.

The attitude of all staff members was a stimulus which made students desire to learn a large amount of material in three short weeks. The Itasca field session is necessary and well justified as a valuable teaching tool of the college.



"They say you were raising a ruckus down there last night..."

Identification List:

The Genuttacae Family

<i>Lesget Nutts (Tom Brown)</i>	<i>Going Nutts (John Thurmes)</i>
<i>Completely Nutts (Cayce Halverson)</i>	<i>Show Us You're Nutts (Mike Lindgren)</i>
<i>Dough Nutts (Duncan Ferguson)</i>	<i>No Nutts (Mark Schnobrick)</i>
<i>Absolutely Nutts (Tim Kennedy)</i>	<i>Coach Nutts (Daryl Aiken)</i>
<i>Mabel Nutts (Cressy Wheeler)</i>	<i>Just Plane Nutts (Mike Wadman)</i>
<i>Harri Nutts (Tony VanRosum)</i>	<i>Non-Forestry Nutts (Rhonda Kellam)</i>
<i>Boss Nutts (Al Halgren)</i>	<i>Mama Nutts (Barb Kellam)</i>
<i>Ozz Nutts (Bruce Osvald)</i>	<i>Related Nutts (Matt & Melody Himanga)</i>
<i>Nibble Nutts (Beth Lutze)</i>	<i>Gigi Nutts (Brenda Kruegler)</i>
<i>Turkey Nutts (Herb Schlecta)</i>	<i>Giggle Nutts (Carol Czaia)</i>
<i>S. Rat Nutts (Kathy Feldkamp)</i>	<i>Short Nutts (Rene Needham)</i>

We're All Nutts (We're All Nutts)

**The Getnuttacae Family:
We Grow More Nutts
Less Lumber!**

Show 'Em You're Nuts!

by Herb Slechta, Team Captain

Can you show us you're nuts? The Minnesota conclave team did on a rowdy bus headed for the 25th Annual Foresters' Conclave at Michigan Technological University. We survived nine hours of shoe tying and bonfire songs before we reached Houghton, only to find "lush" sleeping accommodations, consisting of extremely level, not to mention hard, dormatory floors. Numerous town turkeys who had hit the streets for some action slept in the students' lounge to prevent backaches and other bodily disorders.

Diligent members of the dendro team (Beckwith, Eikum, and Needham) snuck into examine the Ohio State University's collection, only to be caught "red-handed." Fortunately for our team, OSU was more concerned with swigs than twigs!

"Deadeye" Kennedy started the following morning out well when he took first in traverse. Deadeye kept our eyes open as he whipped off a first place cut when Missouri's top contender lost the handle of his saw. Duncan Ferguson followed with a close fourth; our Daryl Aiken drifted away.

The tobacco spitting event proved to be a disappointment for us. Karen Munson, our first woman spitter, along with Mike Patneau and Tony VanRossum, couldn't get their wads to score. The tobacco didn't kill our members but the log throw (normally called the bolt throw) nearly did. Mike Lindgren, John Thurmes, and Mike Wadman tried unsuccessfully to obtain winning throws with the 60-ton bolts.

Freshly fallen snow made the early afternoon event of logrolling difficult for our star logrollers, Mike Lindgren and Les Gonyer. They had a lot of trouble and didn't make the time. Herb Slechta, Duncan Ferguson, and Mike Checky put the hurt on their bodies while chopping, but couldn't cut wood fast enough. The chain throw brought only tangles and a promise of a new chain for contenders Christie, Needham, and Checky. In another heavy event Wadman, Casey Halvorson,



"They think they're nuts. I'll show 'em who's nuts!"



Bus ride proves to be quiet adventure after everyone unloaded.



"Do you think we should call in an engineer?"



All show and no go.



I'll get you guys yet.



Coach enters cookie cutting business.



Would you let this man judge your contest?



"I think they're nuts."

Thurmes, and Patneude had a tough time just throwing the sticks, let alone scoring points.

Two-man bucking was a historic event for us this year. Mike Lindgren and Les Gonyer smoked through the cant in 19 seconds as spectator's chins hit the ground in amazement. Mike Locke and Herb Slechta tore off a fourth place cut; Daryl and Duncan looked disappointedly to the judge for their time.

The special event was a real laughter for all except Purdue who successfully managed to complete the "20-minute" event in just 2 hours, 20 minutes. For our team, Joe Gates completed the surveying problem as Duncan (dodging poles felled incorrectly by adjacent contestants) sized up his pole. While Mike Locke and Mike Lindgren waited patiently for their part, Duncan diligently decreased the pole diameter until it accidentally fell backwards. In a valiant effort to save a building that someone had built nearby, Duncan was hammered to the ground by the pole. The crowd gazed in awe, worried about his possible injury, but Duncan jumped up like a jackrabbit, showing that he was cool.

At the end of the day, we found that we had done a good job. Our team won a Husquarna chain saw for third place. Tim Kennedy was the high point man. We celebrated at the bonfire and as usual it was a rowdy singin' time.

The return trip consisted of people sleeping, snoring, and pleading with the bus driver to stop at rest areas. At the Cloquet station, a suspicious looking character, dressed in a long overcoat, socks, and army boots, slithered by the departing crowd to put his total self into an exposed situation. Dale Kruger saw his chance and captured the "Show 'em you're nuts" Mad Flasher (Mr. Mark Schnobrich) on film.

And so ended the adventures of the Minnesota Forester's 1976 Conclave team. A hearty thanks to all who showed they were nuts!

Murphy's Law

by Mike Lindgren

Murphy, a great scientist of unknown origin, formulated a postulate which members of the Forestry club have found to be accurate. His all too familiar formula states, "Everything that can possibly go wrong will, and at the most inconvenient time." This ode is dedicated to all those hard-working foresters who made this past year's Christmas Tree project the success that it was.

*Twas the week after Christmas and all through the land
People started taking down trees and putting away stands.
Another season over and another profit turned
As I look back on Murphy and all that I learned.*

*In March John Thurmes, Carol Czaia, and I
put our shoulders to the wheel and set our sights for the sky.
We contacted growers and it was soon that we saw
The devastating affects of good old Murphy's Law.
We started our search for trees with quite a riddle,
"Why did my motorcycle handle bar break in the middle?"*

*Summer arrived and brought with it a lack of rain.
The intense heat of July only added to our disdain.
With jobs Carol went west, John went north; those two aren't lazy.
I stayed behind in the cities and slowly went crazy.*

*It was apparent by autumn that we would all need aid,
As there were 3000 "little devils" selected, tagged, and sprayed.*

*November arrived as we set out on our first weekend mission.
However, we soon found our baler oddly out of commission.
The drive belt was missing so a new baler was found,
But listen, what was this new interesting sound?
From underneath the truck came the crunch of an object lost.
Why behold, it's 20 feet of run over muffler and exhaust!*

*With a little bit of wire we were back on the road
Ready to take on any new wrath that Murphy could unload.
It was cold but sunny in Perham one Saturday morn
When we arrived on the scene with a baler whose fuel line was torn.
We went to party in Perham and almost got kicked out of town,
The next day we worked hard until all the equipment broke down.
I look back on that weekend and it's still hard to place,
How could 28 people fit into any 8x12 space?*

*We decided to open the lot on the first day of December.
I thought our troubles were over, but now I remember....
On our way up to Cambridge, a baler wheel loosened free,
I ask you Tim Kennedy, "How lucky can one be?"
Murphy was still with us and beside us he stuck
As evidenced by the dent in Scotty Scholten's truck!
It seems one overzealous worker, while unloading trees,
Placed on the truck cab, the full weight of his knees.*

*Damages were incurred but profits were found too,
I'm writing this story to thank all of you.
It's been a long year but it seems everyone had fun,
Good riddance Mr. Murphy, you old son-of-a-gun!*



"What do you mean it doesn't work?"



"What do you mean it doesn't work?"



"What do you mean you don't want to work?"



'Nanook' of the North and 'LaSnook' of the South.



Workers run out of gas before chainsaws!



Scotty inspects crunched truck and vows avenge!



The chain saw massacre!!!



"My roping skills sure come in handy on this job!"



"Peek-a-boo, I want to hide from you!"



"What do ya mean I dragged these to the wrong place?"

Foresters' Day 1977

by Mike Lindgren

Our annual attempt at organized mayhem was a bit different this year as we tried our hand at unorganized mayhem. Despite the confusion, the days were enjoyed by all.

Plans were started way back in May when we set January 29th as the fateful day. A few early volunteers stepped forward and we were on our way. Everything was then forgotten until the end of October. The first item to resurface was the general displeasure with the Queen selection process. The club, always known for its promptness in solving problems, nominated Mike Checky to chair the Queen Selection Revision Committee which then took only three months to decide to have a Queen. . . . and a King! Oh, we also thought that from now on, they'd be referred to as the Lumberjack and Lumberjill. Our new royalty was also to be selected by a new method. They would be the winners of a competition of F-Day skills including the match split and snowshoe race. As F-Day approached, so did the extremely cold weather. It necessitated a change from the match split and snowshoe race to arm wrestling. There were a few grumbles but we proceeded. Handsome Duncan Ferguson and beautiful Linda Peterson were the ultimate strong arms and both wore their coveted hardhat crowns proudly.

The Special Event Banquet on Friday evening brought many familiar faces back to the festivities. Robin Beeman and Carol Czaia were responsible for the success of the banquet as they brought together an impressive list of dignitaries. The first such honored guest was Harold DeVries who was presented the Field Forester of the Year Award. Mr. DeVries, a 1965 graduate of the College of Forestry, unfortunately was caught in an unforeseen blizzard in northern Minnesota, unable to accept the award in person.

Distinguished guest Robert Herbst, a 1957 graduate, talked on the forest fire problem in Minnesota, really warming up the audience.

Guest speaker, Dr. Carl Reidel of the University of Vermont, was also a familiar face who formerly



F-Day Committee Chairmen. Front row: Pete Willis, Terry Brualt, Frankie Eikum, Tim Kennedy, Brenda Kruegler. Second row: Don Nast, Carol Czaia, Rene Needham, Rbin Beeman, Melody Himanga. Third row: Don Nast, Mike Checky, Mike Lindgren, Mike Pateneude.



"...and my boyfriend is an engineer!"

taught at the College during the late 1960's and early 1970's. Carl Reidel was also a graduate of the College in 1958. His talk entitled, "A Forester Is . . ." was enlightening and thought provoking as he issued a challenge to all future foresters.

The Uncle of Paul Award went to Dr. Ken Brooks, a professor at the College, for his outstanding guidance as Forestry Club Advisor this past year. The Daughter of Paul Award went to Carol Czaia, who has devoted so much time to the club and to the College in her four years here.



Ken Brooks receives Uncle of Paul Award.



Carol Czaia receives Daughter of Paul Award.

Five seniors: Barb Kellam, Mike Patneau, Tom Fasteland, John Thurmes, and Nancy Beckwith, and three juniors: Rene Needham, Tim Kennedy, and Mike Lindgren, were presented with scholarships for their contributions, participation, and leadership in Forestry Club activities.

Entertainment at the Banquet was provided by Paul Hessberg and his partner. Further entertainment was provided by everyone trying to guess who that new guy without a beard and pretending to be the Club President was.

Saturday morning found Rene Needham, Nancy Williams, and Kathy Feldkamp greeting a bleary-eyed crew of hungry souls. Although locked out of the kitchen until right before scheduled opening, it did not prove to be of much consequence as everybody arrived late anyway. Over 200 people showed to sample "Faculty Frisbees" and left with new found respect for culinary talents or lack of them. The skit followed, authored by Frankie Eikum. The true side of the faculty was highlighted once again.



Ken Brooks fries Rene for main course.



Roy Mead: "Take anything but my jacket! Anything!"



"My knees hurt."



John's singing is so bad, a fellow singer punches him out!

The cold weather had become even colder by noon, Saturday. It was decided that performing the many feats of lumberjacks in wind chills down to 50 degrees below zero was hazardous to one's health. We hastily moved the majority of the events into the livestock pavillion. Tim Kennedy, in charge of field events, did an excellent job of quickly reorganizing the day's events. The warm interior and down home barnyard atmosphere brought out a record number of contestants. Grand losers of the day were two trash can hugging spitters and a pair of outclassed sawyers by the names of Matt Himanga and Ed Nelson. Failing to place high in the two-man buck, they came back appropriately dressed for the two-woman buck, repeating their non-championship performance.

The finale came that evening with the "Stump Jumpers' Ball." Lynn Post, Don Nast, and Karen Munson put the finishing touches on what seemed to be a 42 hour day.

Music was provided by the Third Time Around. Beth Lutze, Brenda Kruegler, and Melody Himanga took center stage to award prizes they had so diligently scoured the cities for. Herb Slechta, high point man, walked off with a chainsaw graciously donated by Minnesota Toro. Alumni showed up in astounding numbers as Duncan Ferguson and Linda Peterson surveyed hairy faces for the beard contest. Someone must have sent word that we were awarding ice cream (the liquid sort in pop-top cans) as prizes.

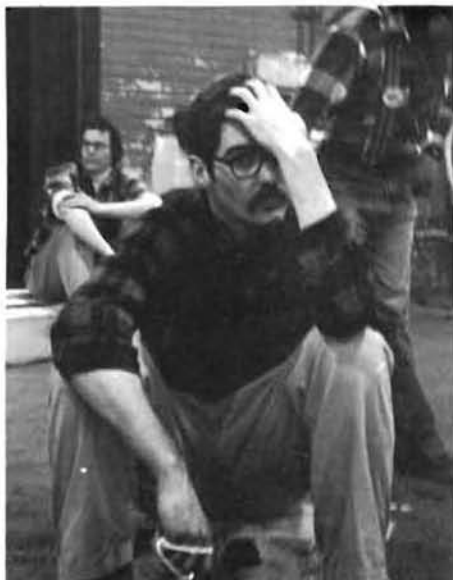
The evening ended too soon, but that was it, the 42nd F-Day was behind us. My sincere thanks goes to Mike Patneau who was also co-chairperson of the events. I thank also all the individual chairpeople, students, faculty, and alumni who helped, planned, encouraged, and participated in the event. Without you it wouldn't have been as enjoyable or as fun . . . it wouldn't have been F-Day 1977.



"Okay Tom, you can open your eyes now!"



"I better hold my lips together, my juice is leaking out."



Would you let this man judge your contest?



Thurmes wins race back to chair!



"Last one in buys the beer!"



*American Pulp Toss
by Sue Madson*



*Ethiopian Pulp Toss
by Tom Brown*



*Russian Pulp Toss
by Melody Himanga*

1977 Forester's Day Field Event Winners

ONE-MAN BUCK

Herb Slechta
Duncan Ferguson
Mike Lindgren

TOBACCO SPIT

Duncan Ferguson
Mike Patneau
Tom Fasteland

TRAVERSE

Tom Milton
Don Nast
Cindy Ratzlaff

LOG ROLLING

Don Nast & Randy Langseth
Mark Johnson & Mike Patneau
Mike Lindgren & Les Gonyer

TWO-WOMAN BUCK

Karen Munson & Nancy Williams
Carol Czaia & Barb Kellam
Eileen Miller & Mary Earl

MATCH SPLIT

Bruce Osvold
Allan Jackson tie
Duncan Ferguson
Brian Pisarek

MEN'S SNOWSHOE

Herb Slechta
Ed Nelson
E. Forsman

CO-ED BUCK

Herb Slechta & Mary Earl
Nancy Beckwith & Mike Lindgren
Sally Palm & Tom Schnadt

WOMEN'S SNOWSHOE

Nancy Beckwith
Cindy Minor
Sue Madsen

TWO-MAN BUCK

Les Gonyer & Mike Lindgren
Herb Slechta & Tom Schnadt
Tim Kennedy & Duncan Ferguson

CHOPPING

Herb Slechta
Duncan Ferguson
Mike Checky

WOMEN'S BOLT THROW

Colleen McCann
Karen Munson
Laura Medved

MEN'S BOLT THROW

Ed Nelson
Mike Wadman
Eric Jokela



High point man, Herb Slechta looks cool!



Sally Steele and Paula Poulan place 2,000,000 amidst 20 competitors!

LIST OF CONTRIBUTORS FORESTER'S DAY 1977

Aura Record Shoppe	Mann Har Mar Theater
Beechnut	Manning's
Best Meat Market	Natural Foods
Blandin Paper Co.	Nordic Trading
Bridgeman—Como	Perines
Bridgeman—Dinkytown	Quick Print
Burger King	Red Wing
Campus Cobbler	Sammy D's
Cicero's	Ski Den
Carmer's Office Supply	Ski Haus
Eddie Bauer	Stadium Barber
Hoigaard's	Stadium Shoe Repair
Hoerner-Waldorf	Twin City Saw and Chain
J. Thomas Athletic	United—Dinkytown
Joe's Sporting Goods	United—Har Mar Mall
Lob Pine	Valli Pizza
Logo's Book Store	Village Camera
MacDonalds—Dinkytown	Village Wok
MacDonalds—Snelling	Wilson's Stadium Hardware

Our sincere thanks to the following prize contributors:

Special Thanks to:
Tilton Equipment Co. (Chain Saw)
Redwing Co. (Work Boots)

Forestry Club: The Year in Review

by Mike Lindgren

It was quite a year! Spring quarter was only two weeks old when we loaded up the equipment for a near 20 hour ride to Tennessee for the Bicentennial Conclave. Eighteen foresters gladly took time out from their studies to go along. They must have heard that there wouldn't be a faculty advisor along on the trip! In two full days of rugged competition, we came out the victors and returned home in high spirits. (Our new faculty advisor Ken Brooks bet us a keg that we wouldn't finish in first place!)

A few weeks later we headed into northern Wisconsin for a management trip. Daryl Aiken arranged everything and we visited the facilities in the National Forest near Boulder Junction. We also viewed a fish hatchery. Most important of all we made the discovery, while sleeping under the stars, that the new club president wakes up screaming and the new vice-president grinds his teeth, or was it the other way around?

The spring canoe trip saw an invasion of lobster colored people and aluminum colored rocks on the Namekagon River. Nancy Beckwith organized the float/walk in which 26 people enjoyed a twenty mile expedition.

Softball was a big activity during spring quarter. We sponsored a number of teams and organized a beer ball tournament in which six teams from the college entered.

Spring activities were capped off by the annual spring picnic. Carol Czaia and Robin Beeman were in charge of the festivities held at Como Park. Everyone seemed to enjoy their last chance to be rowdy before leaving for the summer. As I recall more ice cubes wound up down more backs than in glasses.

The fall bonfire saw us trying to attract some new life into the club. Graduation the previous spring had caused a loss in the ranks. Kathy Feldkamp and Don Nast did an excellent job of setting up the affair. Dean Skok and Dr. Kaufert gave us the traditional words of encouragement. Herb Schlecta, the

conclave captain, took over the show to demonstrate conclave events.

From there, it was on to Michigan Tech in Houghton, Michigan for conclave. Party people made the bus trip. The highlight of the conclave was Duncan Ferguson's attempt to put a 30 foot pole through a utility shed. Fortunately, the roof of the shed resisted division and the officials at Tech kept their composure.

Also keeping his composure, was advisor Ken Brooks who again offered us a keg for a first place finish (as he saw us end up a distant third!)

Our thoughts soon turned to Christmas trees as John Thurmes, Carol Czaia, and I led a willing and enthusiastic crew of 35 out into the wilderness. I still can't figure out how all those people fit into a space where an elevator operator would have suffered from claustrophobia!

The month long operation, which saw the same old slave wages being paid and the same old gripes about cold weather and people who couldn't make up their minds, netted close to \$5000. It wasn't a record but the coffers are still full from the previous year and eight scholarships were awarded.

Expansion of firewood sales took place this year. Forty cords of birch

were bought and quickly sold. We hope to sell 100 cords next year to make a significant contribution toward more scholarships.

Winter quarter brought record cold and visions of F-Day theatrics. Due to the cold, many of the activities were held in the livestock pavilion. Though a bit dusty, it sure was a lot warmer and the majority of people were pleased with the change.

The new royalty, now referred to as Lumberjack and Lumberjill, were well received in their first year and we look forward to expanded duties for them next year.

Due to late season lack of snow, the usually held snowshoe/cross country skiing weekend and the sleighride/hayride were both cancelled.

The club constitution was revised thanks to the many hours of work by exec members.

Some things will never change. Like the way we spent our Friday and Saturday nights dancing the hours away at the Bel-Rae, Medina, or Brooks. None of this year's events could have happened without the help and encouragement of many hardworking people. I thank you, and the club thanks you for all your support. We experienced a lot, we learned a lot, it was quite a year.



Typically a-typical type people found at F-Day.



Group of foresters dejected after finding out they have been left 2,000 miles from civilization.



New president is elected on good looks and charm alone.



"Hey, come on and eat the stuff, it is edible!"



Melody studies!



"I hope Brenda isn't watching us Carol!"



Mike Checky prepares budget report of Peavey debts.



Bull of the Woods editor, Pete Willis goes bald from worries of finding good jokes.

Meeting Our Needs Through Faculty Activities



Al Jackson learns proper use of chainsaw at Timber Harvesting Workshop.

Timber Harvesting Workshop

or

Return From "The Round Trip to Danger"

by Sally Palm

This fall, students at the Cloquet Forestry Session were offered the chance to participate in one of three Timber Harvesting Workshops organized by the Forestry Extension Office. The workshops, first offered last spring, are designed to give forestry students actual field experience on a harvesting operation by learning basic equipment operation, organization, and work safety. Impetus for starting the workshops was provided by the growing number of comments received from students and professionals. Many felt that foresters needed some grounding in harvesting to understand layout and supervision of timber sales and to realize the capabilities and hazards of equipment used in harvesting trees.

The workshop takes most of one weekend's time. It begins on a Friday night under the leadership of Don Van Ormer, extension/research

forester at Cloquet, and Arno Bergstrom, an extension graduate student. Students are introduced to the thrills of logging by seeing that famous feature film "Round Trip to Danger."

The film demonstrates many ways of killing oneself while merrily harvesting the forest. (Let's see, you can throw yourself off the blade of a bulldozer while you are hitching a ride to work with a cat-driver, whereupon you will look like one of Aunt Jemima's best efforts at waffle making. You can roll a skidder down the side of a hill, saw off your leg, or with the help of a friend, you can even arrange to have a tree felled on your head.) The student goes to bed Friday night wondering what the old body has gotten itself into this time.

Saturday dawns. Two crews head out into the forest. One crew is assigned to handle the logging operation for the day, the other handles chain saw maintenance. Assignments are switched on Sunday.

Don Van Ormer and associates Ron Severs, Dave Olsen (Cloquet technicians), and Tommy John (research associate) supervise the logging portion. A student spends one hour at each of eight stations.

Each station involves a different work operation such as felling (2 stations), skidding, choker setting, limbing, bucking, loading, and either chipping or piling slash. The instructor gives the student basic operating and safety instructions at the start of the hour; from then on it is purely work experience. Mistakes are made. Chain saws get stuck, trees don't fall exactly on target, and occasionally a skidder cable is broken. The instructor, however, is always on hand to reduce the chance of mistakes and to talk through problems to prevent similar future mistakes.

Arno Bergstrom teaches the maintenance crew basics for upkeep such as sharpening and adjusting the chain, filling oil and gas tanks, cleaning air filters, and even starting saws. This crew keeps the supply of chain saws fueled and sharp for the logging crew to prevent a slowdown due to a need for saw maintenance. By the end of the day one has a pretty good notion of where the gas and oil tanks, on/off switches, decompression switches and the choke are hidden on various makes of saws. One can also sharpen different chain types at the proper angles (Amazing!). When the sharpening business is slack there is a D-4 cat one can try to maneuver in the "Sandbox," a small area off to one side of a landing.

The logging is done in the Cloquet Forest. Proceeds from the sale of the timber help defray the cost of purchasing equipment and operating the machinery. Although one weekend is a very short period of time, students finally have the chance to "get their feet wet" and gain experience in operating chain saws and heavy equipment before they break into the real world of employment. They have a better idea of what logging involves and how it can be done safely.



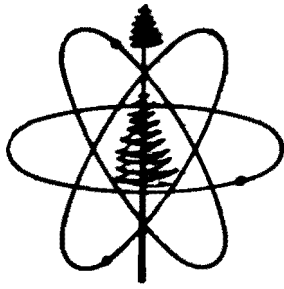
Bob Behrends falls a tree in the Cloquet Forest.



Carol Booth learns chain cleaning techniques.



Kathy Hagman tries her hand with a logging chain.



RESEARCH



College of Forestry Research Activities

STUDIES OF THE FOREST ECOSYSTEM

Impacts of mechanized harvesting
Ecology of northern conifers
Productivity of forest ecosystems
Genetics and tree improvement
Physiology of tree growth
Disposal sites for secondary effluents

FOREST RESOURCES ASSESSMENT

Remote sensing of:
Water quality
Environmental impacts
Range condition classes
Tree diseases
Simulation of stand dynamics
Forest site productivity

FORESTRY IN THE SOCIAL CONTEXT

Recreation design and user preference
Benefit-cost analysis
Forestry sector analysis
Forestry incentives
Alternative forest management systems

FOREST RESOURCES MANAGEMENT

Forest fertilization
Hydrology of forest ecosystems
Recreation-vegetation management
Techniques in the use of fire
Forest regeneration methods
Farm woodlands and shelterbelts
Forest management systems
Nonpoint pollution

FOREST PRODUCTS AND WOOD SCIENCE

Increasing wood residue utilization
Development of new and improved products and manufacturing process
Improving marketing of wood products
Development of engineering information for wood-base materials

The College conducts research oriented directly to Minnesota's 19 million acres of forest land. Studies in progress or recently completed are described below.

- A forest products faculty member is studying the feasibility of manufacturing paper from trees with small stem diameters. These trees, too small for other uses, could add to Minnesota's economy by extending its resource base.
- Aspen-birch occupies approximately one-third of Minnesota's forest land. Until recently, aspen was seldom used for structural lumber. Forest products faculty have evaluated the strength of aspen lumber and aspen composite panels, developed a way to

improve the drying of aspen lumber and promoted aspen as a useful wood.

- The faculty and staff of the Remote Sensing Laboratory are developing ways to use remote sensing techniques, such as low altitude aerial photography, and satellite imagery, to improve the efficiency and effectiveness of forest resources inventories for various purposes. These techniques provide improved evaluation of water quality and wildlife habitat, improved detection of tree diseases such as Dutch elm and oak wilt, and current aerial photo maps of forest fire areas useful in suppression and post-suppression activities.

- A new era of mechanized timber harvesting has occurred in Minnesota. Forest resources faculty members have been studying the effects of (1) equipment used to harvest, bunch, and haul trees to loading sites and (2) machinery that chips entire trees, including the branches, at the logging site. Researchers are evaluating such possible effects as soil compaction, reduced infiltration, destruction of existing regeneration, and damage to unharvested trees. They have found that these new systems may facilitate some timber-growing practices. For example, full tree clear-cut harvesting may reduce fire hazard and eliminate the need for additional site preparation before planting in some situations. It may also improve habitat for some wildlife species.

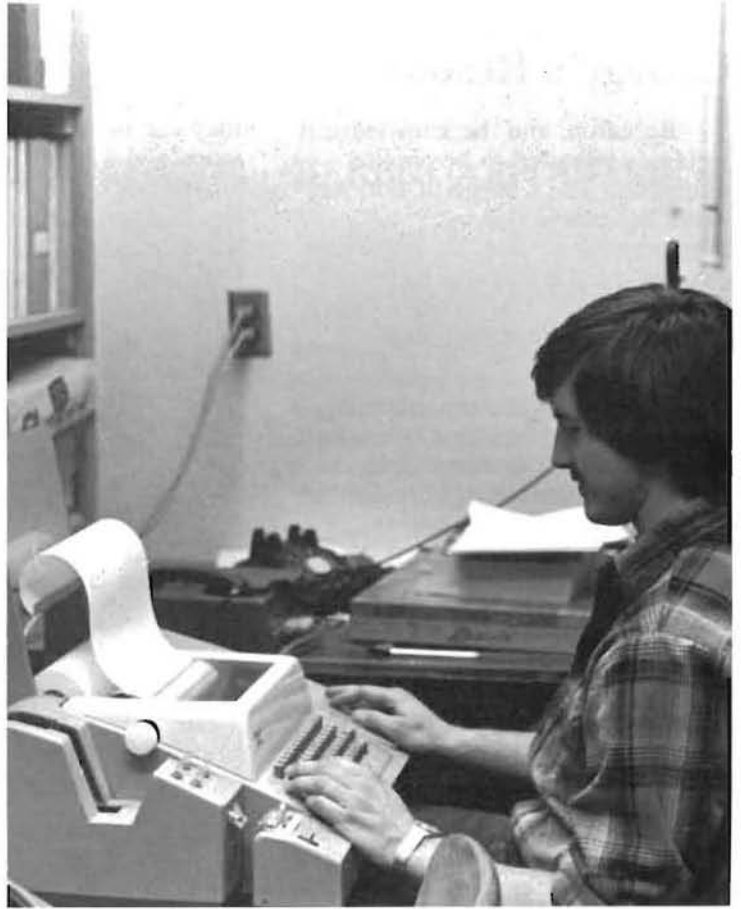
- Stabilization of taconite tailing and over-burden sites has been a concern in northern Minnesota. Faculty and graduate assistants are studying the use of secondary sewage effluent to provide needed moisture and nutrients for vegetation on these sites. This would assist communities with their disposal problems.

- Forest resources faculty members are studying visitor preferences for campground development and their perception of the camping experience in Minnesota state parks and forests. Campground preferences are being correlated with visitor characteristics such as occupation, residence, and style of camping. The results are helping park and recreation planners to make the best use of Minnesota's recreation resources in meeting citizen's needs.

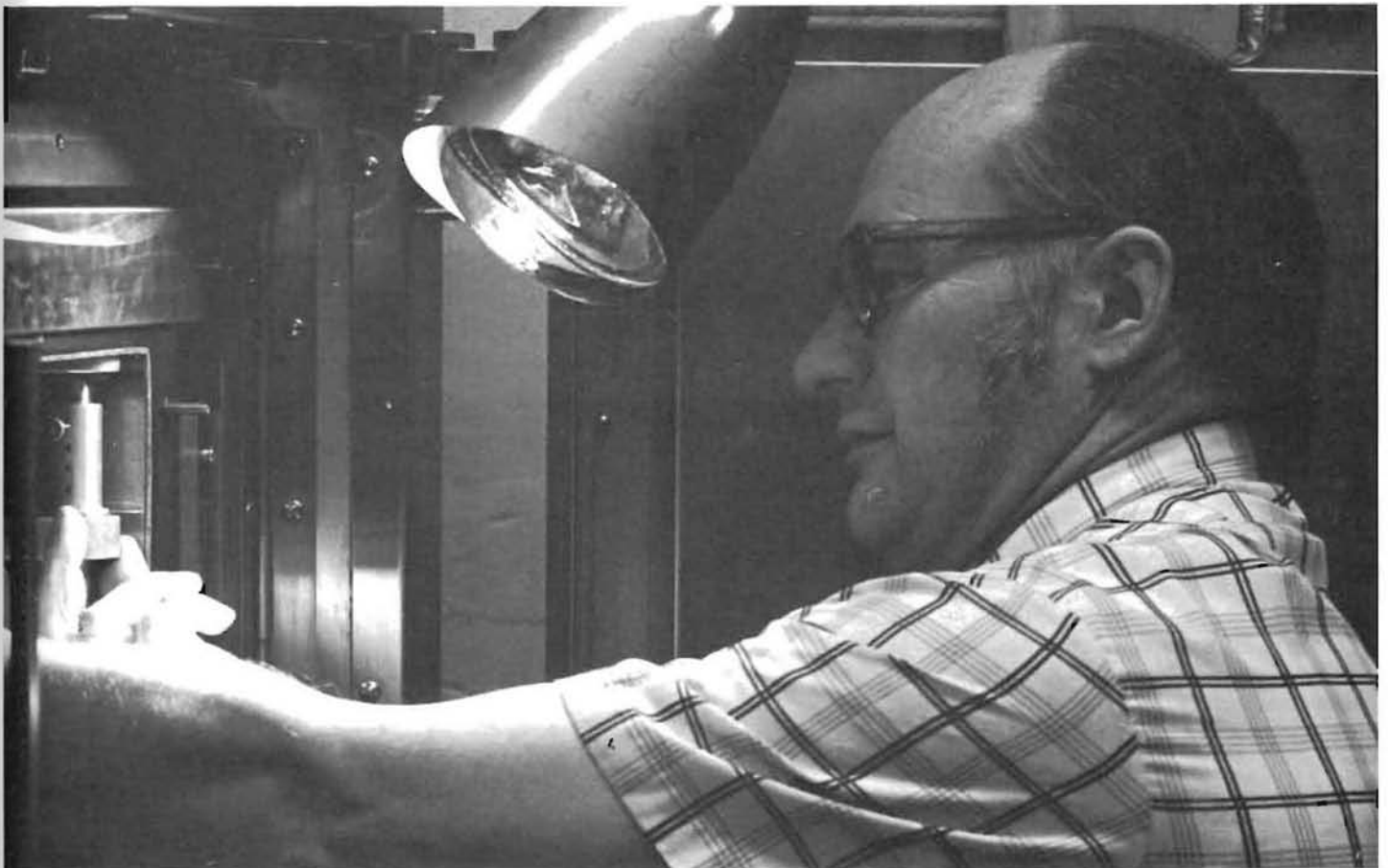
Applying research findings such as these will increase the productivity of Minnesota's forests, further the economic well-being of its citizens, and enhance the environment. College research also provides valuable experience for graduate students who are the forestry researchers of the future.



Type-mapping at the Northwest Experiment Station



Computer programming is now a required course for students.



Dr. Erickson does research in the Forest Products Laboratories.

Extending the College's Resources

Research, and the knowledge it yields, is intended to be applied ultimately. The College of Forestry seeks to achieve this by programming for specific audiences through the Agricultural Extension Service and the University's Office of Continuing Education and Extension.

Extension foresters transfer knowledge between the College and the public. They communicate forestry information to Minnesotans as it becomes available and is needed. Through their broad contacts, extension foresters often are able to identify emerging forestry problems and relay needs to the research personnel of the College.

Extension foresters conduct many special forestry education programs and provide assistance and information to local county extension agents. Other faculty members often assist in extension activities calling for their special knowledge or skills.

Environmental education has been a major effort of extension foresters in recent years. "Outdoor Conservation Days" conducted throughout the state help to acquaint more than 10,000 school children annually with forest resources and some of our resource managers. Extension foresters help organize and teach this activity.

Hundreds of Minnesota teachers each year take one of three classes in environmental education offered through Continuing Education and Extension. Teachers "get their feet wet and their fingers dirty" in two of these classes, one at the College's Cloquet Forestry Center and the other at the Wood Lake Nature Center in Richfield.

Forest products faculty members, through the Continuing Education and Extension program, offer two courses on wood and paper products to Minnesota elementary and secondary school teachers.

Forest resources management is a continuing major concern of extension foresters. They conduct workshops, short courses, and conferences to provide forest

management information to interested groups of the public. Areas covered include demonstrating to owners of small woodlands how they can manage their stands for woodland wildlife, presenting new techniques in maple syrup production to farm and woodland owners, and providing Christmas tree growers with current information on plantation management and marketing techniques. Their efforts have helped Minnesota become the largest Christmas tree producing state in the nation, marketing more than five million trees annually.

The College also conducts workshops and conferences directed toward the continuing education of professional resource managers. In a recent intensive management conference, the most current research findings on the regeneration, thinning, and harvesting of Minnesota forests were presented and discussed with more

than 60 professional foresters in the state. A follow-up conference dealt with the economic analysis of alternative practices.

The extension forest products specialist provides technology transfer information on the manufacturing, marketing, and utilization of forest products. For example, log and lumber grading workshops help owners of small sawmills to obtain better lumber grade yields from their logs. The Annual Lumbermen's Short Course has served more than 1,000 building materials distributors and their employees in 2-week sessions during the past 26 years. The forest products specialist visits small industrial wood users and helps them identify solutions to problems by providing current research information. Work with rural and community development groups assists them in realistically assessing wood-base industrial opportunities.



The college extends its resources by holding Timber Harvesting Workshop.



Kathy Barrett is shown proper chain saw maintenance.



The 1949 invasion by engineers.

HERBST APPOINTMENT

Robert L. Herbst, a 1957 graduate of the College of Forestry, has recently been appointed Assistant Secretary of the Interior. He will be leaving behind many distinguished positions. In 1968, the Gopher Peavey was dedicated to Mr. Herbst. At that time he was Deputy Commissioner of Conservation for the State of Minnesota.

The 1968 issue honored him for his outstanding contributions to the profession of forestry and the management of Minnesota's natural resources. At that time he had served as acting Commissioner in 1966 and as Deputy Commissioner Minnesota Department of Conservation since 1967. He has received many awards including Minnesota Conservationist of the Year, Governor's Award for Government Improvement, National Scout Leader Scholarship—Sears Foundation, American Legion Citation for Meritorious Service, and the Outstanding Field Forester in Minnesota—University of Minnesota Forestry Club. Since the 1968 dedication he has improved our profession even more through his efforts as Commissioner of Minnesota Natural Resources Development in St. Paul Minnesota. We wish Mr. Herbst the best in his new position and in his endeavors.

MFAA

MEMBERS

Willard West — '44
James Teskey — '60
Curtis Solly — '48
Herbert Finch — '48
Richard Fowler — '67

EXEC BOARD OFFICERS

William Morrissey — '71 President
Rodney Rowe — '50 Vice-President
Marvin Smith — '41 Secretary-Treasurer
Paul J. Arend — '60 Past President
Richard Skok — '50 Ex Officio

SAF Convention

The 1976 National Convention of the Society of American Foresters was held in New Orleans, Louisiana. Over 50 people were in attendance at the Alumni Breakfast at the Braniff Place Hotel held for graduated, former faculty of the College of Forestry, and their guests.

A program was given which consisted of an updating of the overall program and a personnel picture of the College as it related to the University at large. Dr. Arnett

Mace, Head, Department of Forest Resources, presented a brief summary of happenings in the Forest Resources Department.

Norman C. Anderson, class of 1954, who was in attendance with his wife, received the North American Forest Fire Fighters Medal for heroism later that day at the National Convention banquet. This was the 13th awarding of this medal since it was established in 1938.

A list of those in attendance at the Alumni Breakfast follows.

Mr. and Mrs. Norm Anderson '54	Harold L. Mitchell '30
William Aultfather '50	Harry Morton '61
Allen R. Bateson '38	Harry Mosebrook '37
Douglas R. Boardman '40	Joel H. Nitz '50
James A. Brown '61	Gary R. Nordstrom '64
Mr. and Mrs. Ray Carson '56	John Ohman '57
Gordon R. Condit '40	Stanley B. Olson '32
Maurice Day '31	Jim Peterson '49
Sig Dolgaard '36	Carl Reidel '58
Don Duncan '51	Larry Ritter '29
C. T. Eggen '40	Dave Rosdahl '53
Ken Engelbretson '54	Bruce A. Rottink '69
Ralph R. Greiling '73	Al Schact '59
Larry Henson '61	Mr. and Mrs. Richard Skok
Gene Jamrock '49	Paul C. Smith '37
Mr. and Mrs. Hugo H. John '59	Richard C. Smith '37
Darrell L. Kenops '63	Paul Stegmeir '66
Paul R. Kipp '50	Bob Stone '70
Larry Kirkwold '62	Stan Ursic '49
Richard Knox '40	Bob Webb '48
Charles C. Larson '40	William L. Webb '35
David K. Lewis '60	Yale Weinstein '37
Mr. and Mrs. David Lothner '65	Willard West '40
Len Lundberg '50	Zig Zasada (ex-faculty)
Arnett C. Mace (faculty)	

MEDAL FOR HEROISM

Norman C. Anderson was the recipient of the 'North American Forest Fire Medal.' Mr. Anderson received this medal at the National Society of American Foresters convention in New Orleans this year.

Established in 1938, the North American Forest Fire Medal honors firefighters who have distinguished themselves through act of valor or personal bravery while fighting fires in the field or forest. It recognizes that firefighting is the most arduous and hazardous task a forestry or rangeland employee can perform. Not only may an individual's life be endangered, but often he will be responsible for the lives of others as well as the protection of millions of dollars worth of property and resources. Forest firemen are called upon to display courage, judgment, quick-thinking, and coolness under extreme emergency conditions. These acts of heroism often go unnoticed. For this reason the North American Forest Fire Medal was created.

The purpose of the medal is to show public appreciation to such individuals as Norman C. Anderson who display outstanding acts of bravery during a fire fighting

operation. Another purpose of the award is to stimulate and maintain high morale among all persons engaged in the protection of forests and rangelands from fire. Mr. Anderson helps maintain this morale at the Boise Inter-agency Fire Center of the U.S. Forest Service in Boise, Idaho. A 1954 graduate, he continues to improve our profession through his activities.

William Miles Scholarship

A scholarship in honor of the late William R. Miles has been established through the William R. Miles Scholarship Fund. The purpose of this scholarship is to encourage the development of professional and personal integrity and to assist and guide a deserving forestry student in completing an undergraduate degree program in the College of Forestry.

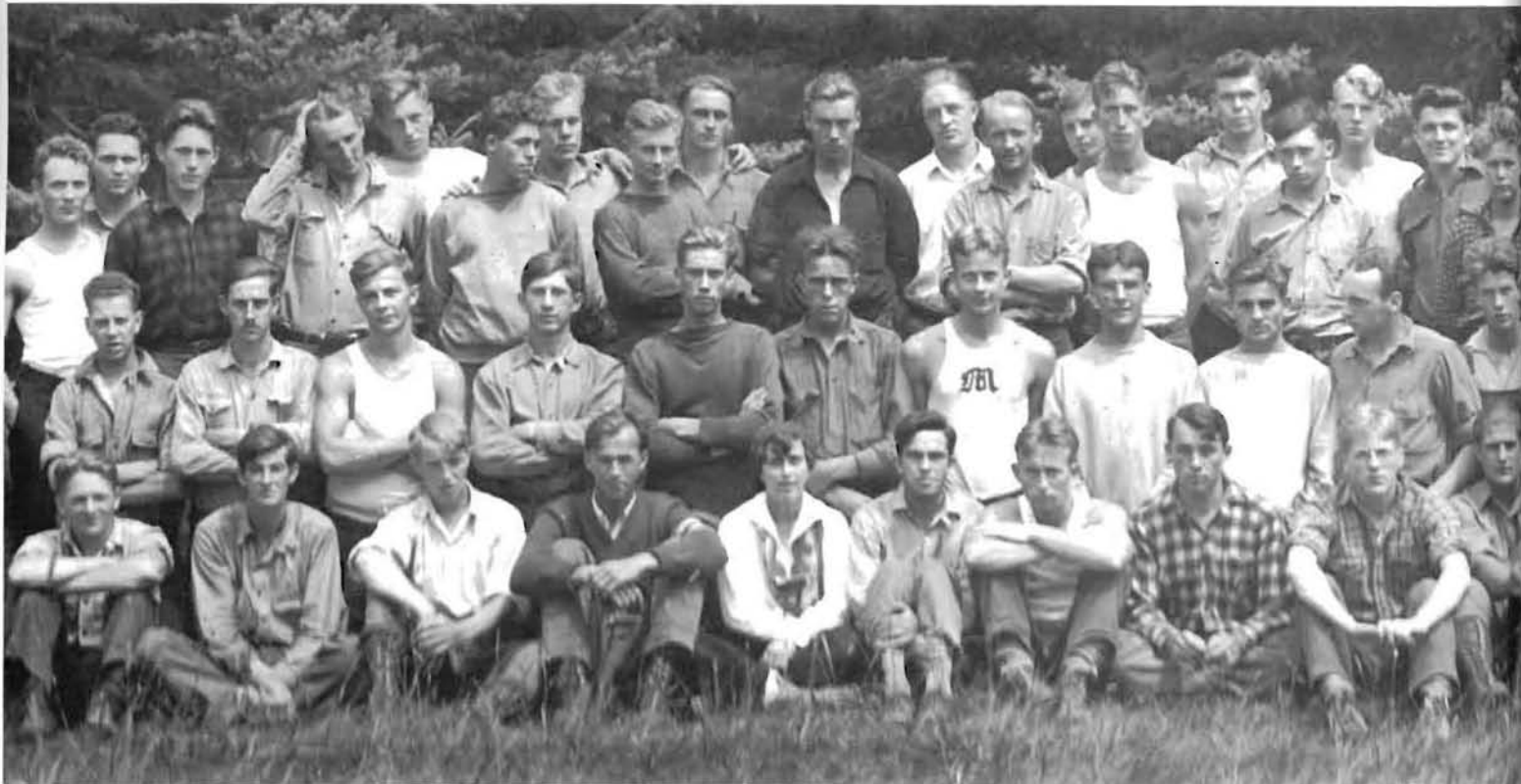
This scholarship is open to all seniors enrolled in the College of Forestry, University of Minnesota. The student must have a G.P.A. of 2.5 or greater at the beginning of Fall Quarter of his senior year. Criteria for determining the recipient are based upon professional promise, personal attributes, academic aptitude, and leadership qualities. The scholarship has been established at a sum of \$500 annually.

Outstanding Achievement Award

Dr. Fred Dickinson, professor of Forestry and director of the Forest Products Lab, University of California at Berkeley, was presented with the Outstanding Achievement Award by the University of Minnesota. Mr. Dickinson was presented with the award at the March 3, Colleges of Agriculture, Forestry and Home Economics Alumni Banquet. Mr. Dickinson, a graduate of the college in 1938, is the 19th graduate of the college so honored. This award represents the University's recognition of former students who have attained distinction and honor in their respective fields.

Ed Cliff Visits College

Retired Chief of the U.S. Forest Service, Ed Cliff, visited the College in January. During his stay he counseled with students and faculty on professional forestry matters and on developments in international forestry. Mr. Cliff has been very active in world forestry affairs for the United Nations and various regional development banks since his retirement. His activities continue to strengthen our profession.



Forestry Club Awards Eight Scholarships

This year the Forestry Club awarded Forestry Scholarships to eight students. The scholarships are awarded in recognition of their outstanding contributions to Forestry Club activities and their leadership roles. Seniors receiving scholarships were: Barbara Kellam, Michael Pateneude, Thomas Fasteland, John Thurmes, and Nancy Beckwith. Juniors Michael Lindgren, Rene Needham, and Tim Kennedy also received awards of \$200. These scholarship monies are made available through efforts of Forestry Club members' annual Christmas tree sale.



Scholarship winners. Front row: Nancy Beckwith, Tim Kennedy, Barb Kellam. Second row: Mike Lindgren, Rene Needham, Mike Pateneude, John Thurmes.

Field Forester Award Presented

Every year since 1960, the Forestry Club of the University of Minnesota, College of Forestry has presented the Field Forester of the Year Award to a field forester who deserves recognition for professional accomplishments in field forestry, for involvement in community endeavors, and for overall promotion of good forestry and related land use management practices.

This year the very deserving Dick DeVries received this award. Dick, a 1965 graduate of the college, is presently an employee of the St. Regis Co., Wheeler Bridge and Lumber Division, Cass Lake, Minnesota.

Mr. DeVries received this special recognition at the annual Foresters' Day Special Events Banquet held in January. As a professional forester, he demonstrated outstanding application of forestry principles which lead to substantial increases in the benefits forest users obtain from Minnesota's natural resources. His initiation of programs provided for needed community involvement which leads to an improved public understanding of forest practices and uses.

The Field Forester of the Year Award has been the Forestry Club's traditional way of recognizing those fellow foresters who have made a major contribution to the improvement of the profession. The Forestry Club was proud to present this award to an outstanding field forester, Mr. Dick DeVries.

Advisory Council

C. Robert Binger was elected to a three year term on the Advisory Council of the Institute of Agriculture, Forestry and Home Economics. Mr. Binger is a 1940 graduate of the College of Forestry and has since been president for the Burlington Northern's Natural Resources Division. He is responsible for managing the corporation's land holdings and timber, coal, and mineral resources. In 1975 he received the Outstanding Achievement Award from the University of Minnesota. He is also past president of the University's Colleges of Agriculture, Forestry and Home Economics Alumni Association.

Frank H. Kaufert

Frank H. Kaufert, Dean Emeritus, was one of four individuals recently elected to the position of fellow in the Forest History Society. Dean Kaufert has served as an officer and member of the Board for many years. He is also often a contributing author to the Forest History Society.

Our thanks to Dr. Ralph Dawson for his donation of alumni pictures.



Alumni News Notes



HARVEST OF 1910

Charles L. Lewis is living in Shell Lake, Wisconsin, where he is retired.

HARVEST OF 1912

John A. Stevenson reports from Falls Church, Virginia where he is retired.

HARVEST OF 1912

Charles D. Simpson. I retired in March of 1951 after about 40 years with the U.S. Forest Service. That's twenty-five years ago. Youth work and community service has taken up a lot of the time during these years and I still have a few dollar-a-year jobs. The class of 1913 is nearly a thing of the past...I believe only three of us left. Most of the names in the last 60 years' lists of alumni are of total strangers. But the following names bring back priceless memories: E.G. Cheyney, J. Wentling, D.P. Tierney, Sam Detiviler, and Wm. T. Cox.

HARVEST OF 1918

Parker Anderson retired in 1961 as associate professor and extension forester. He served in World War I and II; State Forest Service 1919-1926; 35 years as extension forester, 1926-1961; and produced several bulletins and materials that are still used today.

Earl S. Pendergast writes from Winter Haven, Florida where he is retired.

HARVEST OF 1921

Leyden Ericksen writes from Berkeley, California where he is enjoying his retirement.

A. E. Wackerman writes from Bluffton, South Carolina where he is professor emeritus, Duke University.

HARVEST OF 1922

Otis C. McCreery is still living in Pittsburgh after 12 years of retirement. "I have always been proud of the University of Minnesota and the School of Forestry."

Ralph Nelson sends word from Asheville, North Carolina.

HARVEST OF 1924

David A. Kribs, professor emeritus at Penn State University says, "Anyone interested in obtaining the 1968 3rd Edition of *Commercial Foreign Woods on the American Market*, contact Dover Publications, 180 Varick St., New York, NY 10014. This edition contains a 36 page descriptive dichotomous key with 526 main divisions.

Maxon Y. Pillow reports to us from Madison, Wisconsin where he is spending his retirement.

HARVEST OF 1925

Ernest F. Sheffields started a nursery and landscape business in Minneapolis immediately upon graduation. He branched into retail flower businesses at 36th & Hennepin and Oak & Washington SE in Minneapolis for 35 years. He found the business profitable and now lives in Florida, retired.

HARVEST OF 1926

Leslie G. Henry informs us that he is living in Costa Mesa, California.

Nobel Shadduck writes from Annandale, Minnesota where he is an attorney.

HARVEST OF 1927

Ernest L. Kolbe writes from Wilsonville, Oregon.

Carl G. Krueger is enjoying retirement. "I visited the Cradle of Forestry on the Pisgah National Forest last fall. I was Supervisor of the Pisgah when that was just a faint dream and now it's a reality, in need of much more support!"

Harry E. Patterson is still enjoying retirement. "We spend summers in Wisconsin and winters in Florida. My wife and I had a marvelous trip last summer thru the Canadian Rockies, Glacier and Yellowstone Parks, and the Black Hills and Badlands of South Dakota."

Arthur F. Verral sends us word that he is retired in Gulfport, Mississippi.
HARVEST OF 1928

Merrill E. Deters writes from the University of Idaho where he is a retired professor of forestry.

Ellery Foster sends word from Winona, Minnesota where he is 'liberated' (retired).

Frank H. Kaufert writes from the College of Forestry in St. Paul where he is dean emeritus.

D. P. Kirkham reports from Sun City, Arizona where he is retired.

Paul O. Rudolf sends word from Green Hall where he is a research associate.

J. Neil Van Alstine writes from Center Conway, New Hampshire where he is retired. Burce Larson, editor of the 1970 Gopher Peavey, is now working in Conway.

Benjamin M. Whitehill reports to us from Knox, Pennsylvania.

HARVEST OF 1929

Dale Chapman writes to us from San Jose, California.

William E. Hallin sends word that he is retired in Roseburg, Oregon.

Lawrence B. Ritter is still continuing as a contract employee of the Lad Bureau, Department of Natural Resources Space Center, 444 Lafayette Road, St. Paul. Once in a while he has a private job.

Ralph Lanford Thomas was delighted to visit the Torrey Pines State Reserve north of San Diego, California in December 1976. "I was aghast to learn of a forest fire east of Highway 121, but pleased to know the fire was contained. Contrary to interest inclined to "harvest" mature timber, my firm commitment leans toward preservation of species such as *Pinus torreyana* Parrr, as well as *Sequoia sempervirens* (Lambert) endlicher.

HARVEST OF 1930

Carl E. Benson, "Ike" and his wife Marion Poole (B.S. in Music Ed at U of M) commute between their home in Russellville & 20 miles north to their 600 acre tree farm on Three Knob Mountain in the Ozarks. "Mostly we have shortleaf pine, planted loblolly and improved loblolly for sawtimber plus Scotch pine, Colorado blue spruce and Norway spruce for Christmas trees. We have our usual horses to enjoy. Son Charles, E.E. from U of Ark., works for Litton Industries at L.A. Harvey is a forester with B.S. from Oklahoma State University. Daughter Marian has an M.A. from U of Ark. and U of Ariz., she now teaches business in



U of M FORESTRY CLUB

Gentlemen and Ladies:

Again this year the activities of the Forestry Club have been a story of continued success. This success does not just happen; it takes cooperation and planning.

So with this in mind, we wish to sincerely thank all who participated and cooperated in the following activities:

INTRAMURAL SPORTS	FORESTERS DAY
CHRISTMAS TREE PROJECT	CANOE TRIP
MIDWEST FORESTERS' CONCLAVE	FALL BONFIRE
MANAGEMENT TRIP	FIREWOOD CUT



The Forestry Club

high school at Tucson and rides jumping horses. Evelyn has an M.A. from U of Ark. in Home Ec, she is a house wife in St. Louis. Tally of grandchildren still holds at eight, four boys and four girls. If he is still living, I wish to send warmest greetings to Pop Allison—what's his secret for longevity?

Ralph W. Lorenz is on his fourth year of retirement from the Department of Forestry, University of Illinois. "We usually find a warm spot for part of the winter and spend part of the summer in northern Minnesota. There are many varied activities in the University towns of Urbana-Champaign—Stop By!"

T. Ewald Maki has spent the past five years in nominal retirement, but still does full-time teaching and research.

Harold L. Mitchell writes from Madison, Wisconsin where he is retired.

George T. Olson is retired in Sun City, Arizona.

Hugo J. Pawek is president of the Mower Lumber Co. in Durbin, West Virginia.

William L. Royer informed us that his retirement is being spent in Lakeside, Montana.

Arivid Tesaker is enjoying retirement. "I do some voluntary work with local school people and others in 'environmental education.' "

Richard Wittenkamp is semi-retired. "My daughter is taking over the business. I travel mostly in my spare time and went to Alaska last summer."

HARVEST OF 1931

Dr. Stanley J. Buckman writes from Memphis, Tennessee where he is chairman of the board of Buckman Laboratories, Inc.

Maurice W. Day was honored last year by receiving the Distinguished Service Award of the Wisconsin-Michigan Section of the Society of American Foresters.

Charles J. Knoblauch informs us that he is spending his retirement in International Falls, Minnesota.

Arthur E. Schneider writes us from Goodyear, Arizona.

Paul J. St. Amant is still enjoying retirement. "I keep in touch with current happenings by doing some part-time consulting work with George Banzhaf and Company of Milwaukee on natural resource matters, especially forests.

HARVEST OF 1932

Harold E. and Dorothea Cahill Engstrom. Harold has been quite ill the past two years but is much better at present. We have a successful business venture in our Santa's Acres—a Christmas tree choose and cut plantation. Many groups visit our plantation during the year and I teach conservation principles in action to them. We now have three little grandsons.

Alexander Karkula is retired and living in Minneapolis, Minnesota.

Laurits W. "Larry" Krefling. Our son, Wayne graduated from Luther Theological Seminary in May and since that time he has been working for an advanced degree and will graduate a second time next May. Things didn't look too well for me on September 15 when I had a heart attack, but I am pleased to report recovery was rapid. My wife Mal is in good health. We spend some time at our lakeshore home near Star Prairie, Wisconsin. I plan to keep on writing in my little office in Green Hall.

Neil McKenna reports from Duluth, Minnesota where he is retired.



Herman F. Olson writes, "My wife and I are starting our 10th year of retirement on a 240 acre forest and conservation farm 10 miles NE of Steven's Point, Wisconsin. We get much enjoyment and satisfaction from the response we are getting from our stewardship."

Stanley B. Olson is in the same location in Seattle, Washington. I enjoyed the alumni breakfast at the SAF Convention in New Orleans in October. Had a nice visit with some of the alumni (old timers) in Minnesota on our return trip.

Howard B. Smith has been retired for several years. "Time flies by faster than ever because there are so many ways to be useful or active. My wife and I were up to a 15-day trek in the Himalayas in Nepal last year and we continue to backpack here at home. Age isn't the factor it might have been a generation ago."

Walter M. Zillgitt sends us word from Asheville, North Carolina where he is retired.

HARVEST OF 1933

William E. Ackerknecht writes from Arlington, Virginia where he is a retired income tax manager.

Donald N. Burcalow. I reached the age of 'statutory senility' on August 31, 1976...after 32 years with Minnesota DNR, Division of Fish and Wildlife. I am living in my home in Cloquet and now get to see my son and daughters (plus 6 grandchildren) more often.

Ralph H. Christopherson is handling the non-recreation spread for Region 9, USFS. He is a forester in the lands division.

Harry P. Miley has started a new career in real estate since his retirement from the State Department (Foreign Service) last year.

Theodore B. Niehaus. My consulting business has grown from a parttime business to nearly full-time. Our son, Theodore F., Ph.D. in Botany, has just published a book for "The Peterson Field Guide Series." The book is Volume 22, "A Field Guide to Pacific States Wildflowers," Houghton Mifflin Co. It may be of interest to students coming West.

Donald E. Price writes, "I am concerned about the public trend towards preservation rather than conservation of natural resources. The profession of forestry is being diluted by advocacy of preservation at all costs, both in our schools and in our failure to speak out against the needs for true conservation thinking."

John A. Bundgren. With ten years of retirement under my belt, I avoid becoming rusty and pudgy by running 40 steers on improved pasture and strive for 140 acres of well-tended woodlot. With two married daughters in the Black Hills (my last duty station) an annual western foray is called for. Son Dave, a Colorado State University forester who took the Urban/Regional Planning Route after Vietnam, is director of the Central Shenandoah Planning District Commission.

HARVEST OF 1934

Floyd Colburn is retired and living under the pine trees on the banks of the Mississippi near Grand Rapids, Minnesota. His annual accomplishments include 20-30 cords of firewood logged and 20,000 Christmas trees cultured. Strayed to Sun City last year and found half a dozen Minnesota ex-foresters putting around on the golf greens.

George A. Herion retired July 1, 1976. Good luck to the Peavey. It still remains a good solid tie to the past and to the present.



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HARVEST OF 1935

Claude S. Asp. Nothing spectacular has taken place in the Asp family the past year. Our son is still teaching at the Air Academy Jr. High. Our daughter, Amy, will be entering the University of Northern Colorado this fall in a pre-nursing career. I am still tending the Warranty and Inventory Control Store at Phil Winslow Volkswagen Inc., but expect to retire by the time my copy of the Peavey arrives. Mom and dad will keep the home fires burning here and at the mountain cabin. Our latch string is still out. Sincere regards to all.

Howard L. Brown. We are enjoying our active life in Sun City and making it a point to get to all the national forests, state parks, national parks and monuments in Arizona. We enjoy the travel trailer and go with the shorttrip Caravans from S.C. The weather is really great here. In the summer it's nice to be able to be selective. It would be a son-of-a-gun if one had to be out here and were not in the high country. I saw and visited with George Omicdon once. Sig Dolgaard and Norm Nelson and old Chippewa National Forest fellows got together one day last winter. Best regards and stop in if you are down this way.

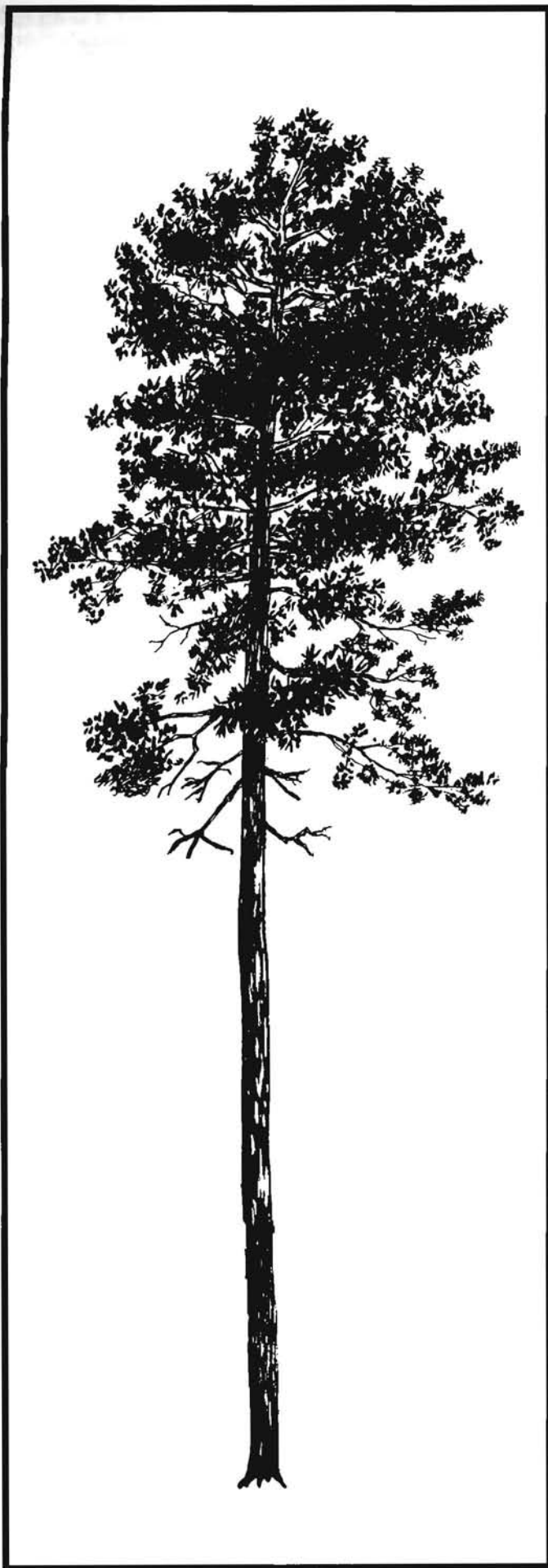
Roy M. Carter has two sons, two grandsons, and two years till retirement. He says it's a great feeling!

Robert H. Clark sends word from Fordyce, Arkansas where he is a forest manager for the Georgia Pacific Corp.

Robert A. Dellberg send best wishes for another great Peavey! "I am still working as a consulting forester in the Redwoods of California. I spent three months in 1976 in Central America, South America, Scandinavian countries, and Ireland.

Birger Ellertsen writes from Norris, Tennessee where he is retired.

Arthur E. Ferber writes from Lincoln, Nebraska where he is retired. "I am still enjoying retirement after close to 40 years with the USDA. Traveling, gardening, fishing, golfing, and enjoying the grandkids occupy my time. I was honored in Minneapolis last August by the National Soil Conservation Society of America who elected me to the Fellow grade."



Henry L. Hansen sends us word from St. Paul where he is a professor at the College of Forestry.

Arthur L. Hawkinson writes from Eden Prairie, Minnesota where he is retired.

Russell W. Johnson. My wife and I are enjoying our retirement on our five acre mini-farm where we raise chickens, have a large garden, a few fruit trees and bees. I am teaching part-time with Bethel College and am active in outdoor education. Our son Dan and his wife, both teachers, are building on our adjacent five acres so we can be partners in mini-farming. Our daughter and husband with two boys live on a 2½ acre mini-farm in East Bethel. Our oldest son is in the security and alarm business in California.

Donald B. Lynch. I retired January 1, 1977, and will fish, hunt, and travel as long as I am able.

Robert W. Merz writes, "Paul Rudolph and I are preparing histories of the Old Lake States and Central States Forest Experiment Stations. It's been fun trying to dig up historical items."

Lincoln A. Mueller. Mrs. Mueller and I are enjoying retirement to the utmost, but we are becoming increasingly curious as to how 'working people' manage. Spent last May and June visiting forests in England, Scotland, Netherlands, Germany and Switzerland.

Norman O. Nelson has been retired for three years but is still very busy. "My wife and I spent three weeks in Norway this past summer. We also spend three months of the winter each year in Sun City, Arizona."

Earl Adams reports to us from St. Paul where he is with the DNR, Division of Forestry.

Sigurd J. Dolgaard still makes his home in Brainerd, Minnesota. "I do keep in contact with state, federal, and university personnel and do some work in forestry. But, my golf comes first!"

Karl G. Lobes retired July 4th and celebrated by a one month travel trailer trip to Northern Minnesota, Wisconsin, and Canada. "I will be joining the snowbirds at Harlingen, Texas, picking tree-ripened grapefruit and oranges in January or February. Consulting and contracting business keeps me busy more than I had anticipated. Have edited a symposium for MIT Press and completed a special three-year fishery study that is to be an exhibit A for a federal court case. Just to keep busy there is intermittent work on an 18-month study for a consulting firm."

Raymond C. Nermoc writes, "After 30 years of government service I retired from the Soil Conservation Service in 1967. At present I spend some time on my farm management business, time at our lake home on Ottertail Lake, and a little time in Florida during the winter."

Waldemar A. Winkler. Son 'Wink' just graduated from U of Northern Colorado with his masters degree and is now working in his profession at Sante Fe, New Mexico. Wife Jane and I are still holding down the homestead on the Crystal. I find retirement so full of activity that I'm looking for a nice 8 to 5 job, so I can get some rest! Regards to all at the College of Forestry in Minnesota.

HARVEST OF 1937

Dr. Axel L. Andersen sends word from East Lansing, Michigan where he is a professor in the Department of Botany and Plant Pathology for Michigan State University.

Dwight W. Benseid is back on the job full-time after major abdominal surgery at Rochester in March 1976. "Next summer we will hold Forestry Camp near Missoula, Montana, and I will return for two quarters of teaching before retiring and starting to practice forestry on my own."

Vincent W. Bousquet writes from Longview, Washington where he is Assistant Regional Manager for Weyerhaeuser.

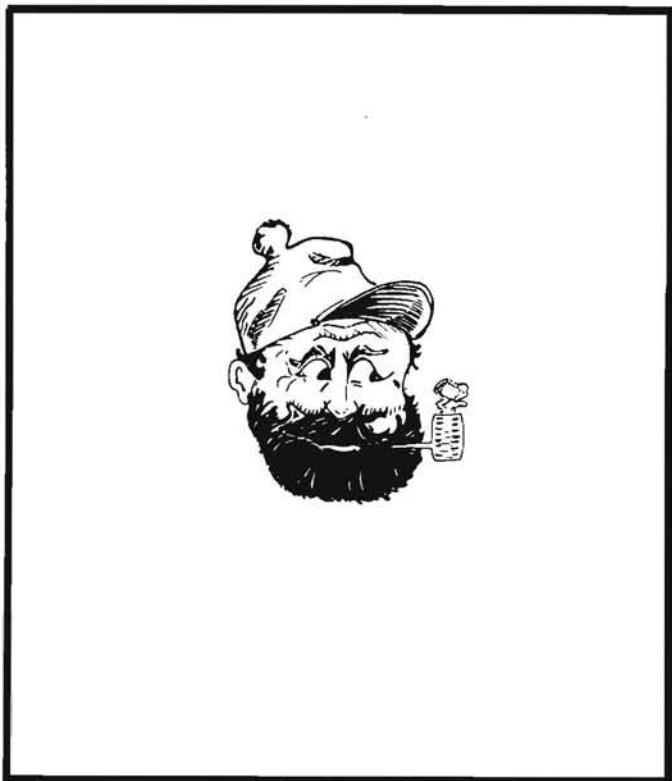
Roy W. Eggen sends word from Niagara, Wisconsin.

Alvin T. Hagen writes, "Two retirements later!! Now we are blest with opportunities to follow the sun December to April when it is uncomfort-

able in Washington. Betty and I are both more relaxed as we seem to get more done at Fourth Church, the Institute for International Development, Colson's Prison Fellowship, Senator Hughes' new foundation which is a spin-off from the International Christian Fellowship, and the Maryland Interclub Senior Golf Association. MISGA continues to grow from eleven to 24 country clubs in 1977 which means 560 to over 1800 men next year. It is my privilege to be the founder and president. With proper organization and guidance it could become part of the national golf picture. On our return from Alaska in July we visited with Bob Deering in San Francisco. At 89 he still plays golf three times a week.

E. Arnold Hanson sends us information that he is in Missoula, Montana and is retired from the USFS.

Raymond A. Jensen writes from Cloquet, Minnesota where he is an associate scientist at the Cloquet Forestry Center.



Theodore O. Myren. No change from previous years. I am still teaching Resource Management at the University of Wisconsin at River Falls, Wisconsin. I live in Baldwin, Wisconsin.

John S. Riss. After nearly one year of retirement we are thoroughly enjoying it. I can't understand how I maintained the place while I was working. However, the pace is much slower. Have had several consultant jobs of short duration mainly to keep an active mind. Visited with Henry Hanson one afternoon this past summer when we were in St. Paul. Very enjoyable!

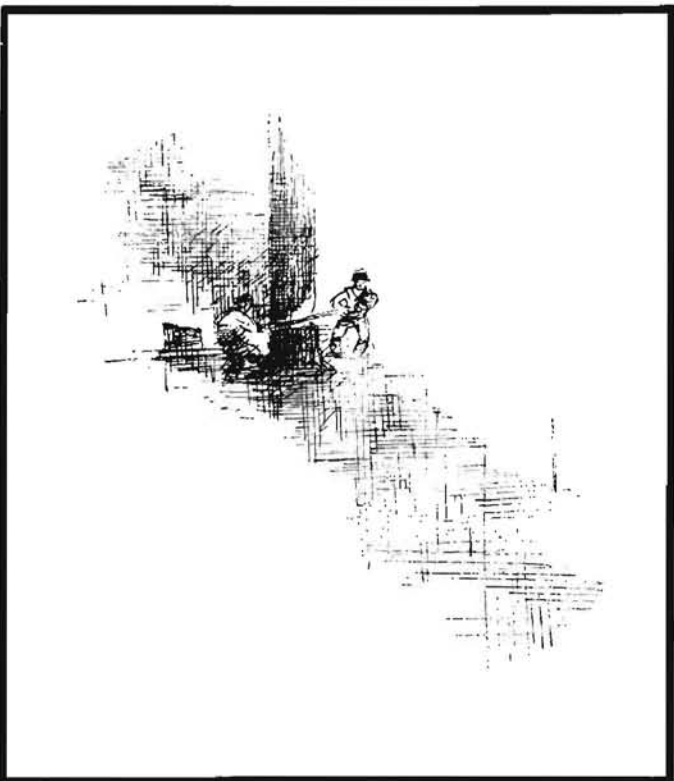
Thomas A. Schrader will have been retired in Brainerd for seven years by the time the Peavey is printed. "I spend most of the time with my wife running a hobby antique business but also do a lot of fishing, spearing northerns, hunting ducks, and playing golf with Sig Dolgaard. Handicap is a cause of some chagrin.

C. Frank Shearer. Hi gang! All is well out in the Emerald Empire—everybody is breathing a bit easier over the clear-cut hassle but not everybody is happy—when are they?? We're headed for Australia to visit family and see a bit more of 'down under.' Keep up the good work—we still enjoy getting the Peavey and seeing what you young chaps are doing as well as keeping track of the 'senior citizens.' Best regards.

Richard C. Smith. The Minnesota breakfast at the SAG Convention in New Orleans was great—a fine bunch of people. Hope to see many Minnesotans at Yale University's SAF meeting in '77.

F. M. Thomson writes, "Attended an Executive Course on Finance at Wharton School of Business, University of Pennsylvania last spring. Two of our four children have graduated from the U of Washington, and the fourth, Colin, has chosen business over forestry. He is a freshman at the U of Washington's School of Business. Gail graduated from Western Washington State College at Bellingham this past December. I must keep at this plywood game until Colin graduates!"

Yale Weinstein. Following our annual trek to Washington, D.C. in May to attend NFPA, Lorraine and I spent a delightful week in Amsterdam. I have been yearning to visit Holland for a long time and personally tell the 'Dutch' how much I admire and love them, because in the 'crazy world community' Holland is one of the few countries with a real conscience. We will be looking forward to seeing all good foresters October 2-6, 1977, at the annual meeting of the Society of American Foresters in Albuquerque, New Mexico. Regards to all.



HARVEST OF 1938

James A. Bussey reports from Ashland, Wisconsin where he is a soil conservationist.

Calvin L. Delaitre sends news from Minnetonka, Minnesota.

Fred E. Dickinson. Doris and I spent an enjoyable seven and a half weeks in Europe this past summer. We started our trip by attending the IUFRO Congress in Oslo where I chaired a session on "Information Retrieval in Forest Products." Following the Congress, we spent a week touring parts of Norway with friends and then went on to visit others in Stockholm and Copenhagen. Our next stop was in West Berlin where, in addition to touring the city and viewing the Wall, I presented a seminar at the Federal Institute for Materials Testing. We then journeyed on to Paris where we took possession of a new Peugeot, ordered before we left California, and drove nearly 3,000 miles exploring countryside in France, northern Italy, Switzerland and Germany. Among our stops was Göttingen, West Germany, where I presented a series of seminars to the forest faculty members and students at the University. A highlight of the year was our youngest son Roger completing law school at UCLA and then being admitted to the Bar shortly before Christmas as a result of passing the California Bar Examination. Tom, our next oldest son, is an associate professor at the State University at Chico, California. He and his wife are just putting the finishing touches on a solar-heated house. Our oldest son, Bob, and his wife live in Los Angeles where he is Director of the Computer Product Engineering Group of the TRW Corporation. As an added comment to the meeting in Oslo, Norm Borlaug was there and was

one of the featured speakers. It was the first time we had seen each other since 1938.

H. R. Emerson writes from Hayward, Wisconsin where he is treasurer of the Chippewa Lumber Industry Inc.

William J. Emerson sends news from Milwaukee, Wisconsin where he is retired.

Dr Philip Hamm writes from Glendale, Missouri where he is a Science Fellow for the Monsanto Company.

Alvin E. Nelson sends word from Madison, Wisconsin where he is director of lands for the Wisconsin DNR.

Raymond J. Wood. I have had an unusually busy year with our program switching and wood procurement for the Pulp and Paper Mill in Old Town from rough wood and chips to all chips. We have just completed the second of two new chip plants and have removed the debarking and chipping equipment from our Penobscat Mill. We are entirely out of the four foot wood production. In 1977 we have to supply 360,000 softwood and hardwood chips. All of our wood will be tree length to concentration yards, highgraded, chipped and delivered to Old Town. 1977 will be another year of challenge to us.

HARVEST OF 1939

D. M. Benjamin writes from Madison, Wisconsin where he is a professor for Entomology and Forestry, at the University of Wisconsin.

George Boyesen is still moving ahead on the Ochoco National Forest, wearing two hats: PIO and Environmental Coordinator. "I reach my year of "independence" in the fall. Hope to enjoy some of that good retired life."

Earl O. B. Dahl. Nothing really new. I'm enjoying retired life and lining up some hunting and fishing trips with my wife. Enjoying the outdoor life both summer and winter in the upper peninsula of Michigan. Other Minnesota forestry alumni I see often are Ken Stiero and Glenn Evans.

George E. M. Gustafson is still with the BLM. "The job keeps me busy hopping from one end of the state to the other. Glad to see the pipeline job nearing completion, and the carpet baggers heading for home."

L. B. Hoelscher writes from Tacoma, Washington where he is manager of Occ Safety and Health.

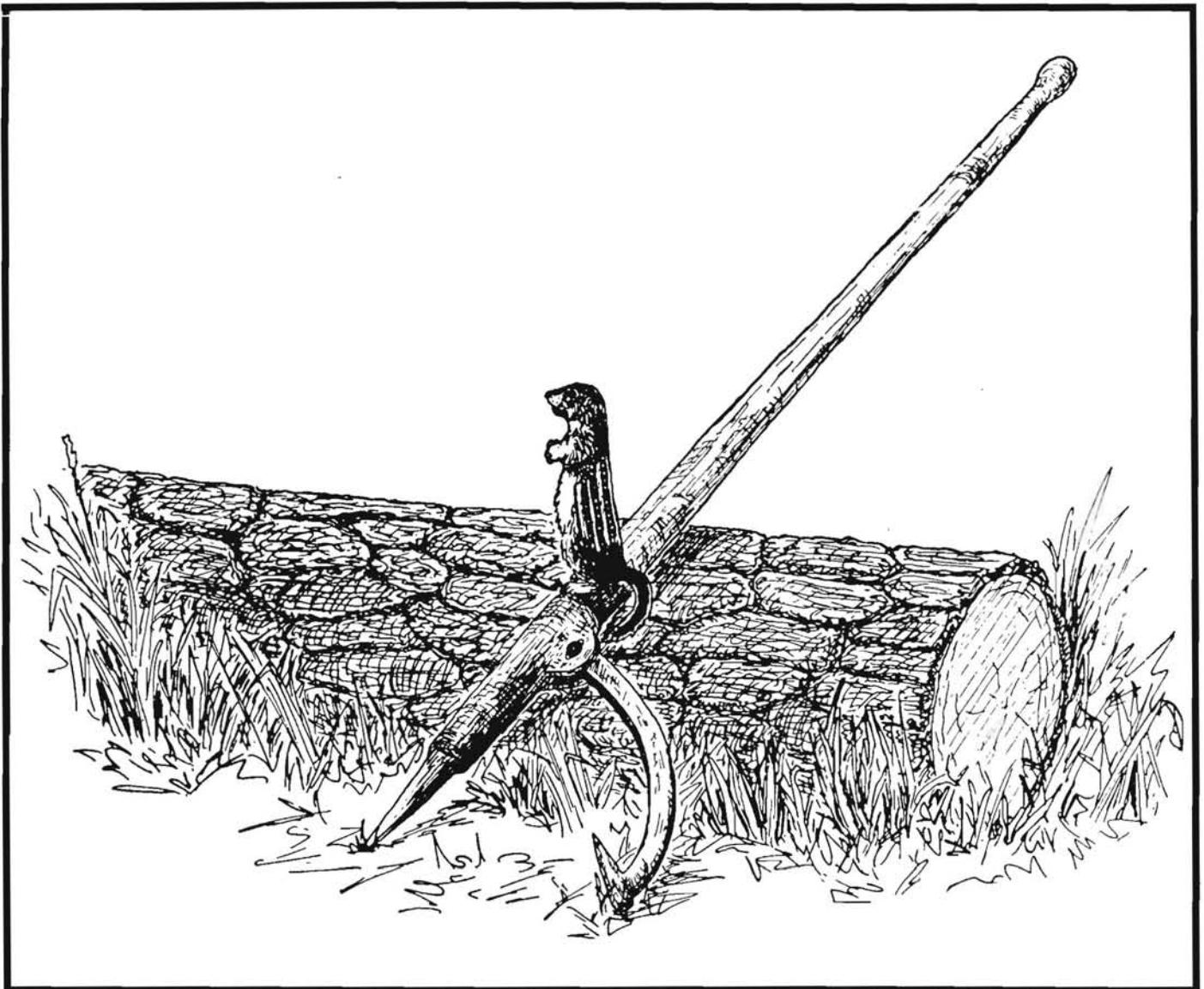
Philip L. Huntley sends word from Norway, Michigan where he is manager of administration for the Kimberly Clark Corporation.

Chas E. Hutchinson writes from Sacramento, California where he is an accountant with the Sacramento County Auditor-Controller.

Herbert G. Johnson writes from St. Paul where he is an extension plant pathologist at the University of Minnesota.

John L. Kernik writes from Duluth, Minnesota where he is retired.

Goodman K. Larson. Since retirement I have spent most of my summers on my farm in western Minnesota. In addition to producing crops and



livestock, I have been restoring some areas to native prairie vegetation, developed trout ponds, and habitat for deer and pheasants. Cross-country skiing and traveling are our winter activities. Last year's trip to Guatemala coincided with the earthquake—it was an "earth shaking experience!"

John McGuire lives in Falls Church, Virginia and is presently Chief of the U. S. Forest Service.

Thomas H. Ohl reports from Albuquerque, New Mexico.

Morris V. Olson writes from Alexandria, Virginia where he heads a Resource Management section for the county of Fairfax.

Vincent N. Olson says that he is getting his place in shape and doing a little fishing in Grants Pass, Oregon where he is retired.

Donald H. Overholt writes from Durango, Colorado where he is a motel owner.

Howard A. Post. All biographical and family/job data remain essentially the same. My son Philip lives in Anchorage, Alaska; Stephan is in Duke Med School; William is a Supply Corps Officer in the Navy, located in Norfolk, Virginia; and Peter is at the College of William and Mary and is a varsity gymnast.

Ken W. Sackett sends word from St. Paul where he is an agent with New England Mutual Life.

Carl B. Scholberg saw Don Aiesner in Yabinaa, Joe Gjertson in Wena-tekec and said they were both doing fine and looking good. "When in Anchorage, I visited George Gustafson. He also is doing fine. I had lunch with Howard Smith in Ogden. He was having a bout with a ruptured appendix but was home and looking great. Earl Osborne and I had a visit in Hudson, Wisconsin. We had a five-month tent camping trip from the Mexican border to Fairbanks, Alaska, with an airtrip to Borrow, Alaska. During the trip, I attempted to see old Minnesota grads—some I missed who were not at home."

Frank E. Tucker writes, "I have been able to get back to Minnesota each year since retirement. We built a cottage on West Battle Lake and are enjoying a good winter in California. Carl Scholberg visited us in January."

David B. Vesall sends word from St. Paul where he is with the Minnesota DNR as director for the Division of Fisheries and Wildlife.

HARVEST OF 1940

Eldon Behr writes, "I am now a grandfather. Both sons are still fliers with the Navy and Air Force. I still enjoy gardening but moles and raccoons are making progress difficult."

C. Robert Binger reports from White Bear Lake, Minnesota where he is President of the Resources Division of Burlington Northern.

C.B. Buckman writes from St. Paul where he is Deputy Commissioner of the DNR.

Norman H. Conrad. I retired from the Forest Service, Eastern Region, on January 1, 1974. Since that time Mary and I have been trailering to the west coast and British Columbia. Next winter we will spend in Florida. Last winter we traveled in the Southwest. This year we bought a 25 foot trailer and plan to get to Alabama and Florida. During our travels we have had the good fortune to visit with both Forest Service and U of M friends.

Gordon R. Cundit writes from DeRipper, Louisiana where he is Vicepresident and manager for Boise Southern Company.

Clarence T. Eggen sends us information from Spring Park, Minnesota where he is an area forester for the U.S. Bureau of Indian Affairs.

Rossalius C. Hanson writes, "I am still at the same job and another year older. No change in the family status, except the grandchildren are now in grade school and the oldest daughter is thirty years old. Makes me wonder where the time has gone. Youngest daughter has one more year to go at MIT. After she finishes, I may think about retirement. Had a waterfowl survey trip to Mexico this January and it was one of the better

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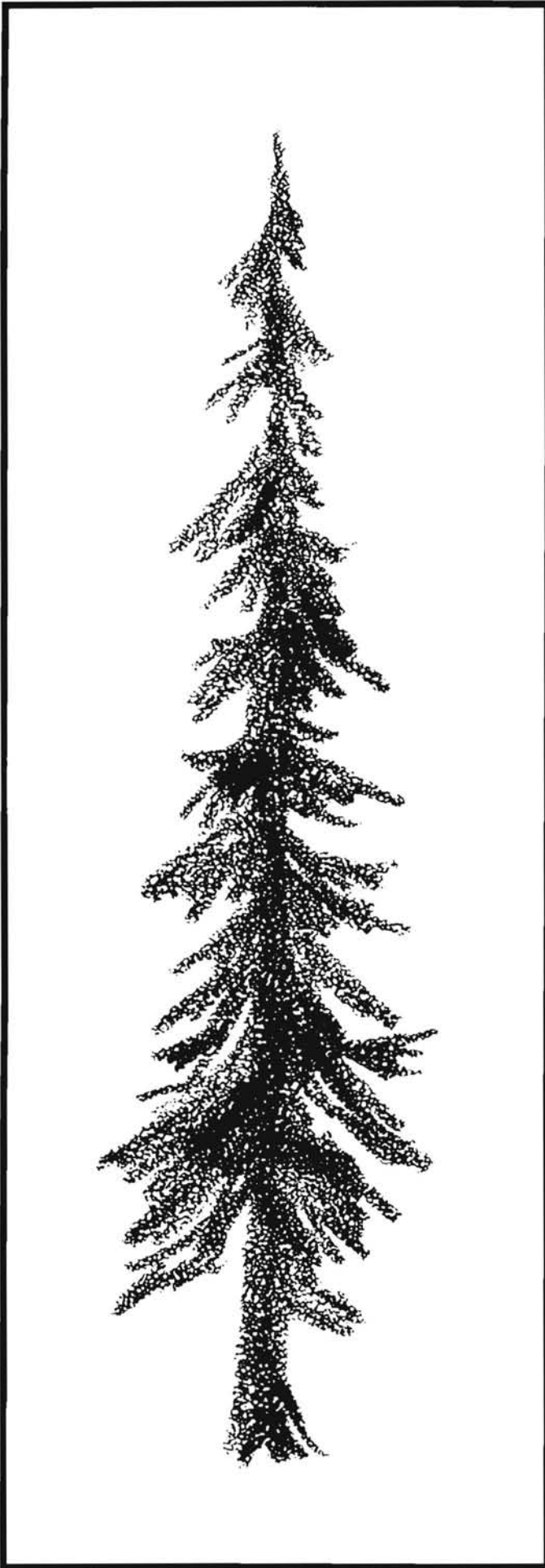
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Al Ost '75
Craig Krueger '76



ones. The weather wasn't too bad and nobody caught any 'bugs' (Mexican Quick Step!) Makes it a little better when riding in a small plane, especially when the airports are few and far between. I'll try to get over to North Campus more often and stop by. My very best to all."

Robert G. Helgeson sends word from Tacoma, Washington where he is a forester with the St. Regis Paper Company.

Richard L. Knox writes, "I built a swimming pool in my backyard last spring. Now we have a summer-long resort right here at home and the five grandchildren really enjoy it along with we grown-ups."

Jim Michels reports from Susanville, California where he is retired.

John G. Miles writes from Eureka, California where he is president of the Natural Resources Management Corp.

Ralph K. Nelson sends word from Grand Rapids, Minnesota where he is manager of Customer Services with the Blandin Wood Products company.

George E. Olson informs us that he is manager of Marketing Services for the FP&S Department of Dow Chemical Co. in Midland, Michigan.

W. W. Talbert writes, "I see Gordon Condit and John Wishart occasionally. Ran into Rad Oliver this summer. The older I get the more I appreciate having been exposed to a good school. Bob Webb and family are still one of my good neighbors. We talk of Green Hall frequently."

Frank Usenik sends word from St. Paul where he is staff forester with the DNR.

Willard E. West sends information from St. Paul that he is with the DNR as a State Forest Management and Harvest forester.

HARVEST OF 1941

Robert T. Bilstein writes from Florence, Alabama where he is a maintenance engineer with the Union Carbide Corporation.

August E. Block writes, "I retired from the USFS on April 23, 1976 after 34 years of service. We have been doing a bit of traveling ever since. and we plan to travel a lot more."

Warren E. Gilbertson writes from St. Louis, Missouri where he is a cartographer for the DMA Aerospace Center.

W. A. Graupmann says, "I am always interested in the Peavey, even though not employed in Forestry. I took an early retirement from Sears Retail Credit to become credit manager for Fisher Mill, Inc.— a wholesale manufacturer for flour, grocery products, and export. It has been an interesting change, but not a 'retirement' job. A son-in-law chose an assistant professorship in math at the U of M above other offers. Another daughter lives at Fort Ripley, Minnesota. Both are graduates of the University of Washington. My wife is an Oregonian and could not be converted to Minnesota's climate."

Robert W. Johnson. One of my hi-lites in 1976 was that I managed a tour of the Minnesota campus. Fantastic changes since '41!! This should be another challenging year for foresters following one of the driest fall-winter periods on record, drought, and energy shortage.

Mike Latimer writes from Grand Rapids, Minnesota where he is Director of Public Affairs for the Blandin Paper Co.

Howard B. Osmundson says, "Everything about the same here. Still appraising real estate for the Indians and trying to put shoes on the kids in college. I enjoy the rare meetings with alumni and hope that those passing this way will give a call."

Doug Parsons writes from Bellevue, Washington where he is a manufacturers' representative.

Tom Partridge. I'm still in the lumber business which seems like a second cousin to forestry, but I've been at it so many years that I can stand a change. My son has stepped way out of the traces and is a senior in electrical engineering with no hope or intention of following the family tradition of being a lumberman.

Sedgwick C. Rogers sends word from Appleton, Wisconsin where he is a senior research scientist for the Kimberly Clark Corp.

John Wishart writes from Crossett, Arkansas where he is a manager of the Crossett Division-Forestry.

Norbert A. Zamor writes from Chamblee, Georgia where he is a senior engineer with the Western Electric Co.

HARVEST OF 1942

Joseph M. App. Since my last report to you, my wife Mary died of leukemia at the Masonic Cancer Research Center, University of Minnesota Hospitals. My best wishes to the Gopher Peavey staff for your worthy efforts in publishing the Gopher Peavey.

Arthur L. Janura writes from the Forest Preserve in Cook County Illinois. "1976 was a record year with over 25 million visitors availing themselves of the Forest Preserve District's facilities within the 64,744 acres it maintains."

HARVEST OF 1943

Robert Waldemar Anderson passed away on January 15, 1976 of brain cancer. He is deeply, deeply missed.

Harvey E. Djerf has had no change in his work. "I am still teaching science at Golden Valley for nine months and then Park Naturalist during the summer at Gooseberry Falls State Park. Ted Sheppard is my regional boss out of Grand Rapids and we both work under Jerry Jensen who is headquartered at the DNR offices in St. Paul. Saw Gordy and Dorothy Maxson last April in San Francisco where they treated us at a very plush restaurant. My wife and I enjoyed seeing them and reminiscing over fun days in Green Hall. Enjoy seeing Dick Marden summers in Duluth. He and Anita make this a favorite place to visit."

David W. French writes from the College of Forestry, University of Minnesota, where he still teaches.

Robert F. Nelson writes, "We buried an old friend and a great forester on a mountainside in the Willamette Valley, Portland, Oregon, overlooking the valley and mountains that he loved. Bob Anderson died of a brain tumor and was buried on January 20, 1976."

HARVEST OF 1947

Glenn H. Deitschman is enjoying the sensation of retirement for an as yet undetermined period. People, places, and events can become refreshingly different, take on a new or changed significance, when viewed from the status of a carefree retiree. Moved from Idaho to northwest Arkansas this fall.

Howard E. Olson writes from St. Paul where he is with the Sonford Products Corp.

Robert H. Wood sends word from St Paul where he works with the 3M company in the Cemolite Plant.

John A. Zivnuska writes from Orinda, California where he is a professor of Forestry at Berkeley.

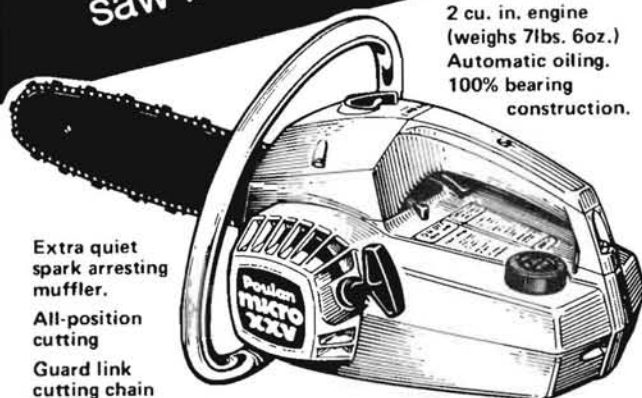
HARVEST OF 1948

Clifford E. Ahlgren gave a paper at the IUFRO meeting in Oslo, Norway last June and visited research people in Finland. Our research center has moved to Fall Lake.

John R. Bergeron writes from Detroit Lakes, Minnesota where he works for U.S. Plywood in sales.

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Paul E. Collins sends word from Brookings, South Dakota where he is a professor in the Department of Horticulture and Forestry.

Arnold R. Johnson writes from International Falls, Minnesota where he works for the Boise Cascade Corp. in Land and Timber Acquisition.

Robert S. Jorgenson writes from Edina, Minnesota where he works with land appraisal.

Earl M. Osborne sends word from Hudson, Wisconsin

Edward J. Plante writes from St. Paul where he is an outside salesman for Champion Building Products.

R. B. Schumacher sends word from St. Paul where he is involved in sales.

Robert N. Webb writes from Lufkin, Texas where he is an area manager for the Champion International Corp.

W. P. Wheeler. We are enjoying our new home after 19 years in the previous location. Still plenty to do on the bottom level which was just roughed in. All of our children have flown the nest except our youngest who is a senior in Pharmacy (our third taking this major.) Increased student enrollment is keeping me busy and it doesn't look like it's likely to change in the near future. We get back to Minnesota on occasion and will be in St. Paul in mid-June of this year. We hope to see some of our old friends and acquaintances at that time.

William H. Ziemer writes from Excelsior, Minnesota where he is an estimator for Lyman Laboratories.

HARBEST OF 1949

Stanton H. Anderson writes from Bemidji, Minnesota where he works as the FHA County Supervisor.



Robert E. Burke sends word from Oakridge, Oregon where he is resident manager of Oakridge Operations for Pope and Talbot Inc.

Frank J. Culotta is working at the Brannum Lumber Company in Racine, Wisconsin.

Olaf C. Grette writes from Issaquah, Washington where he is woods manager for the Weyerhaeuser Company.

Donald W. Grimm reports to us from Rochester, Minnesota where he is Assistant Fire Chief.

John Holl writes from St. Paul where he is a Shakele Sales Manager.

Frank Irving is a professor in the College of Forestry, University of Minnesota, St. Paul.

Dayton Larsen writes from Duluth, Minnesota where he is an area extension forester.

Merle P. Meyer writes from St. Paul where he is professor of Forestry at the University of Minnesota. His oldest daughter is now in Pre-Med at the University of Minnesota at Duluth.

Richard C. Newman writes, "My new job as vice-president for the International Division of Georgia Pacific makes me wish I had stayed with general forestry longer than two years (I transferred to Building Products.) The fact I graduated from forestry after a career in products did have a lot to do with my being considered for the job, which is interesting and challenging. We hold concessions to 1.75 million acres and own over one million so it is a lot to look after."

Richard A. Reinarz sends words from St. Paul where he is Director of Community Programs.

Darrell F. Russ is working in the Great Mountain Forest in Norfolk, Connecticut.

Richard E. Schaefer. I was fortunate enough to spend the summer in Maine on an environmental study. It was very educational, learning about New England forestry. I also had an excellent visit with Darrel Russ on the Great Mountain Forest at Norfolk.

Richard E. Schroeder writes from Portland, Oregon where he is a staff forester with the BLM.

Eugene C. Steinbrenner is a forest soils research scientist with the Weyerhaeuser Co. in Centralia, Washington.

Les Swanson writes, "I am responsible for the SCS Field Offices in Willmar and Olivia. A Minnesota Forestry grad, Bert Beaulieu, is now working as a soil conservationist in the Willmar office. It may be a coincidence, however, both the Kandiyohi and Renville Soil and Water Conservation Districts are involved in very active windbreak and wildlife programs. The Swansons have an empty nest now as our youngest, Pam, is a freshman at Gustavus."

Ken E. Winsness is Director of Student Services in the College of Forestry, University of Minnesota, St. Paul.

HARVEST OF 1950

Robert E. Berquist has completed his tenth year for the Citation Homes Division. "Citation Homes is a custom component home manufacturer selling to builders and real estate developers in Iowa, Minnesota, South Dakota and Nebraska. As I write this we are about to celebrate our oldest son's 20th birthday—time does fly."

John Besse is president of Northern Michigan Spliced Veneers, Inc. and lives in Escanaba, Michigan.

Ledell Bowen sends his regards to Dr. and Mrs. Frank Kaufert and wishes them well.

Jack R. Eggan is president of Industrial Wood Products Inc. in Minneapolis, Minnesota.

Tony Gruba writes, "I plan on building a new home this year on the dry side of Oregon although up until a week or so ago our address could have read Portland, Saudi Arabia! If any grads happen to come near the Cove Palisades near Culver, Oregon, I'd be pleased to show them one of the most beautiful areas of the world."

John W. Hamilton. Time marches on. Family at home begins to dwindle. Mark, the oldest, is at Cal State majoring in Physics. Scott is at Lassen in pre-Architectural Engineering. Dave and Dan, the twins, are juniors in High School. Florence does an excellent job of putting up with the masculine household—it sure isn't easy. Hello to all, especially Ken Winsness. Everyone is still invited to stop over whenever in northern California.

Jack R. Helm works with the U.S. Geological Survey Topographics Division in Lakewood, Colorado.

Vernon V. Lindholm is assistant director of Lands for the USFS and lives in McLean, Virginia.

Russell W. Lukkarila writes from Chisholm, Minnesota and is a division engineer for the St. Louis County Highway Dept.

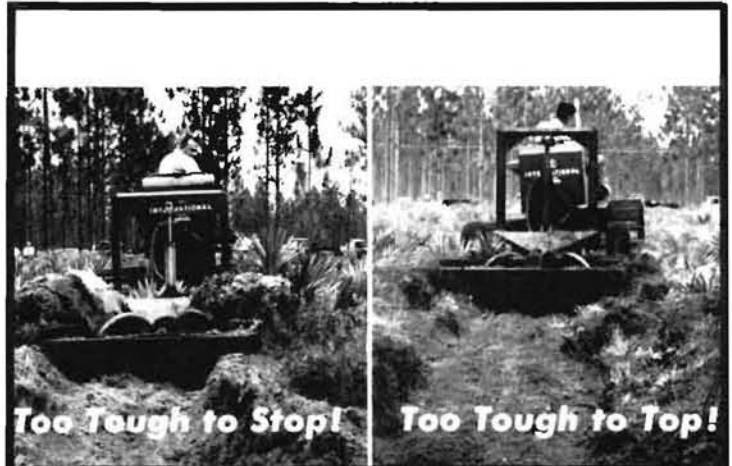
Lennart E. Lundberg lives in Springfield, Virginia and is director of administrative management for the USFS.

Jerald A. Mortensen writes from Minneapolis where he is a salesman.

Richard A. Skok is Dean, College of Forestry, University of Minnesota, St. Paul.



Robert B. Wallin. The big news for this year with U.S. Plywood is the name change to Champion Building Products, which more clearly reflects our present distribution system of building products, rather than just plywood. Our company continues to move ahead with more involvement at our sales and distribution levels in lumber, particularly from our now excellent mills. By the time this publication comes out, the acquisition of Hoerner Waldorf in St. Paul will be complete, adding several



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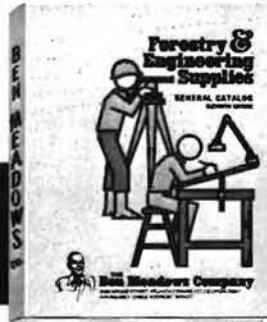
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additional lumber mills to our manufacturing base, assisting us in wider distribution of a wide variety of lumber products. On the home-front, the addition of the first grandchild in January, 1977 has given much joy to Mary Catherine and myself. Emily Kate is a fine addition to the Wallin clan and it is an enjoyable experience. Only one child left at home, Joseph, 17, a junior in high school at nearly 6' tall and an avid competitive USSA skier. Was extremely pleased to hear of the promotion of Dick Newman, class of '49, a long time associate as vice-president for Georgia Pacific.

Donald A. Warman. We are ok. Hope the foresters to be are working hard to understand the wide range of benefits possible from a managed forest as well as the need to consider some reserved areas, including wilderness.

HARVEST OF 1951

Harold W. Benson writes from Doraville, Georgia where he is assistant regional director for the U.S. Fish and Wildlife Service.

Donald P. Duncan lives in Columbia, Missouri where he is director for the School of Forestry, Fisheries and Wildlife, University of Missouri.

Robert D. Garner writes from Denver, Colorado where he is employed with the Western Electric Company.

Allen L. Lundgren writes, "I am still project leader for a research work unit on economics of forest land management and use in St. Paul, and adjunct professor at the College of Forestry in Minnesota. Last summer I was fortunate to be chosen to attend the IUFROWC in Oslo, Norway. Norway has to be one of the most beautiful countries in the world, particularly the western fjord country. We toured this area for a week, visiting a wide range of forestry sites, from nurseries to growth and yield plots to barrel factories."

Stan Mrosak is director of industrial development for the Soo Line RR Company and lives in Golden Valley, Minnesota.



Roland E. Schoentke writes from Clemson, South Carolina where he is associate professor for the Department of Forestry at Clemson University.

Jack C. Tucker writes from Iron River, Michigan where he is a staff forester with the U.S. Steel Corp., Northern Lands and Timber Division.

Evert B. Wickstrom writes, "No change in my family status since last year except my oldest boy Paul graduated from the U of M with a B.S. in mechanical engineering and is now working. I received a promotion from Natural Resource Specialist to Agency Forester so I plan to be residing and working in the Bemidji area for a few more years.

HARVEST OF 1952

Gerald W. Anderson writes from Washington, D.C. where he is a research forest pathologist for the USFS.

Dayton N. Barker writes from Detroit Lakes, Minnesota where he is a salesman.

John H. Benson sends us word from Minneapolis where he is employed by the Youngblood Lumber Company.

Bruce A. Brown writes from Cloquet, Minnesota where he is a professor of forestry at the Cloquet Forestry Center, University of Minnesota.

Robert N. Campbell. We are still in Davis and enjoying it. Our oldest, Jina, has started college. The middle child, Greta, is a high school junior and the youngest, Carls, is in 6th grade. I am still working on diseases of vegetable crops and teaching an undergraduate introductory plant pathology course and enjoying both aspects of my job. I have taken up running for fun and fitness—I am doing a regular two miles or more nearly every day.

William W. Hamlin writes from Tomahawk, Wisconsin where he is assistant logging superintendent for Owen Illinois Inc.

Philip A. Heyn sends us word from Portland, Oregon where he is employed with the USFS Regional Office.

Kenneth J. Johnson writes that his business and family are doing great in St. Paul.

Michael D. Lysne reports from Redmond, Oregon where he is the Air Center manager for the USFS.

John F. Perry. I am very pleased to be able to serve on the Board of Directors for the Alumni Association for the Colleges of Agriculture, Forestry and Home Ec. I'm looking forward to meeting many alumni in this capacity.

Don Schmiede writes from Juneau, Alaska where he is a program leader working with the Juneau Forestry Science Laboratory.

Darold D. Westerberg sends word from Durango, Colorado where he is a forest supervisor for the USFS.

HARVEST OF 1953

Robert J. Arkins is assistant regional director for the Bureau of Outdoor Recreation of the Department of the Interior and is residing in Lakewood, Colorado.

Donald G. Butler writes from Lake Elmo, Minnesota where he is vice-president of the Gibbs Lumber Co.

Lansin R. Hamilton. Made a Big switch in leaving Burns Mfg. Co. last fall and took the job of Crow Wing County land commissioner. Spent five years in public employment, then 18 years in private and now back to public. I am enjoying being a forester again and getting out in the woods rather than a desk job 95% of the time.

Lewis A. Nicholson writes from Portland, Oregon where he is a forester with the USFS Nurseries and Reforestation Division.

Howard W. Venners writes, "This year has been a busy one building a new home. We will move in soon after Christmas. The family is adjusting to each other. Hope to be in Minnesota next summer and will plan to visit the College of Forestry.

Warren T. Wier reports from Tacoma, Washington where he is business manager of laminated products for the Weyerhaeuser Company.

HARVEST OF 1954

Jerry Angier reports that he opened his own real estate agency in Lake City last year. The name of the agency is "Buyers' Realty" and he specializes in farms and recreation property.

Harlan G. Freeman writes from Tacoma, Washington.

Otis F. Hazz. Best Minnesota news this year was the opportunity to visit with Merle Meyer last summer when he was on the Virginia Tech Campus taking photos for a wildlife habitat study. It's amazing how he hasn't changed a bit in the last years!

Ralph G. Johnson reports from Broomfield, Colorado where he works for the USFS.

Michael A. Kerrick. Moved to Flagstaff in March of 1976—a fine place to live and a great forest. After spending 23 years on the west coast, we are enjoying the sunny southwest. Had a gathering of Minnesotans during February to get reacquainted with dean emeritus and Mrs. Kaufert. About ten of us gathered to swap tall tales of the 'old days.' The group represented a span from '28 to '73. We still have six children at home. They are at the age of flying the coop however. Hope to see many of you at the National Convention in Albuquerque.

David A. King writes from Tucson, Arizona where he is a professor at the School of Renewable Natural Resources, University of Arizona.

Dennis Wood reports from Bangor, Wisconsin where he is president of Coulee Region Enterprises.

HARVEST OF 1955

James E. Sheppard writes from Hot Springs, Arkansas where he is woods manager for the Weyerhaeuser Company

HARVEST OF 1956

Roger Coffman reports from Burnsville, Minnesota.

Donald R. Paulson writes from Minneapolis, Minnesota where he is a physics teacher for West High.

T. S. Venkatanarayana. After working for over 29 years for Karnataka state government, I have retired from the state forest service as deputy conservator of forests. It is my earnest desire to be there with you all and work for a couple of years at the Kaufert Laboratory. My wife, Nag, is also highly ambitious to be there in St. Paul once again with sons Bob and Mnj. There is no day passed by us without thinking of you all, Kauferts, Green Hall and finally Uncle Sam.

HARVEST OF 1957

Everette Ellison writes, "Lousy winter! No snow, no skiing, prospects of lots of fires. My family is fine. Carol is a high school junior and Mark is a freshman. Audrey and I are fine although one year slower."

John H. Ohman reports from St. Paul where he is director of the North Central Forest Experiment Station.

Philip Mason Opsal. Barb, kids and I are doing very well. Health and happiness abound. Great Colorado weather makes living enjoyable. Business is good. Both Jason Associates, Inc., wood consultants, and



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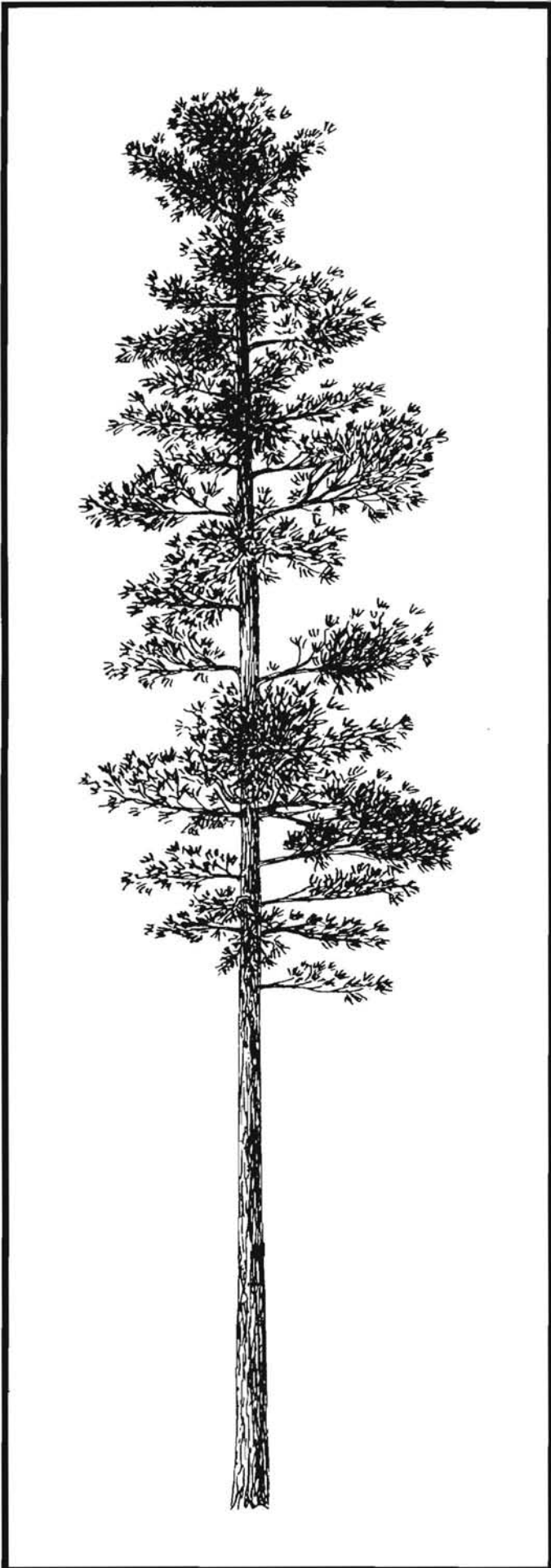


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Floyd D. Rudy. Still practicing law in Cloquet and also in Duluth with the new branch office in west Duluth. Now have six attorneys in the firm and all is well. The family is growing too. Adopted a great little girl named Kaija Elizabeth and she's made a big change in my life and for my Finjander wife Majjaliisa. Still enjoy seeing all the old foresters and I look forward to seeing more in the future.

Robert W. Williams reports from Dillon, Montana where he is supervisor of the Beaverhead National Forest.

HARVEST OF 1958

Denis O. Bakke writes, "We are busy and having fun. We miss too many of the 1958 vintage foresters at the alumni dinners. Hi to all."

William A. Berndt reports from White Bear Lake where he is with the Minnesota DNR in forestry.

Robert Erickson writes from St. Paul where he is a professor in the Forest Products Department of the College of Forestry, University of Minnesota.

Peter Ffolliott writes from the School of Renewable Natural Resources of the University of Arizona at Tucson.

Axel Hansen. Still retired and keeping busy. On May 25, 1976 I had open heart surgery—triple bypass. On June 26th I was back flying my Mooney aircraft. In July I had a fishing trip to Canada and again in August. In October I went deer and elk hunting in the Big Horn Mountains and filled all licenses by getting two elk and five deer.

Carl H. Reidel writes, "Jean and I especially enjoyed attending this year's Foresters' Day banquet, breakfast, and events, and seeing old friends on campus again!"

Richard W. Schneider reports from Grand Rapids, Minnesota where he is woodlands manager for the Blandin Paper Company, Woodlands Division.

HARVEST OF 1959

E. V. Bakusis reports from the College of Forestry in St. Paul where he is a professor.

B. Alan Bendtsen writes from Madison, Wisconsin where he is doing research for the US Forest Products Laboratory.

Cdr. Tom Christensen. We plan on being in the Bay area throughout 1977. After that I'm due for a transfer but am also eligible for retirement. The entire family is still healthy and happy, so we are counting our blessings!

Lee R. Gjovik writes from Madison, Wisconsin where he is a research specialist for the US Forest Products Lab. He is dealing with wood preservatives.

Karl H. Haaser writes from Ogen, Utah where he is a forester.

Richard M. Huff. Still in Denver, since 1969. I am still the director of Training and Employee Development. We still have all the family at home (two girls, 10 and 11; one boy, 14.) Y'all stop by if you pass through beautiful Colorado, even though skiing so far this year is lousy.

Bunnett R. Olson writes from Anchorage, Alaska. I'm living in Seward Park. Now living at 8400 ft. above sea level. Colorado is beautiful country and has good weather. We had 27" of snow about March 11. It's either all or none, I guess. Everything else is the same.

Al Schacht reports from Glen Mills, Pennsylvania where he is assistant area director for national, state and private forestry.

Clyde A. Shumway writes from Albany, California where he is working for the USFS.

Richard Trochlit reports from Park Falls, Wisconsin where he is working for the USFS.

HARVEST OF 1960

Kenneth W. Anderson writes from Clarendon, Vermont where he is a lands assistant for the USFS.

Paul Arend reports from St. Paul.

Walter E. Glowacki writes from Palos Heights, Illinois where he is superintendent for the Evergreen Screw Machine Products Company.

Fritz Koepp reports from Shaver Lake, California where he is a forester.

Paul J. Larsen sends word that he just moved back to Minnesota after ten years at Corpus Christi. His wife and kids are doing great.

George F. Mennel. Made the big move from the east coast to the west right after the Christmas holidays. Aside from the initial shock due to the increase in living costs, the family and I enjoy the new assignment. So far I've renewed acquaintances with Clyde Shumway and his wife, Bruce Roettgiring, and I am presently trying to locate Doug Seastrom. It's amazing to me that these folks haven't changed a bit in 17 years.

Vernon E. Oberg sends word from Central Point, Oregon where he is a forester with the USFS.

Louis C. Sudheimer. Since getting back from spending approximately a year in Germany on a European market study, things have been quite busy. We're now about 50% moved into our new/old house, and remodeling (what a mess.) This year has marked another milestone, as the Sudheimers become self-employed. Hopefully gainfully in real estate marketing. Please stop by when you're in the St. Paul area.

Ned Therrien informs us that he is "enjoying work and recreation here in the Northeast. Cooperative relationship between Forest Service and public here makes work challenging but very worthwhile."

HARVEST OF 1961

Alvin Alm reports from Cloquet, Minnesota where he is an associate professor at the Cloquet Forestry Center of the University of Minnesota.

James A. Brown writes from Bismarck, North Dakota and says, "On November 1, 1976 I accepted a new position as manager of reclamation for the Western Division of North American Coal Corp. Karen and the three kids are busy packing for the move. Appreciated the chance to talk to you Ken at the SAF meeting in New Orleans."

Gilbert Churchill sends information that he is a forest planner with the USFS in Elkins, West Virginia. "In January, 1977, I received a promotion and transfer from district ranger on the Green Mountain National Forest in Vermont to forest planner on the Monangahela National Forest. On the home front a new little boy named Ralph joined us in February, 1976. He will be in his terrible two's by the time the Peavey goes to press.

Richard D. Harms reports from Grangeville, Idaho where he is an area manager for the Bureau of Land Management.

Richard A. Madden, Jr. writes from Thorne Bay, Alaska where he is a resident forest engineer for the Ketchikan Pulp Company.

Walt Schloer sends word from Ojai, California where he is a district forester for the USFS.

Ken Wald informs us that he is with the Minnesota DNR Planning Division in St. Paul.

HARVEST OF 1962

Wendell Beardsley reports from Ames, Iowa where he is associate professor for the department of Forestry at the University of Iowa.

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David D. Benson. No significant developments to report this year. The family's doing fine and enjoying life in the White Mountains.

Mel Chase writes from Coos Bay, Oregon where he is area manager for the BLM.

Adrian Hagen writes, "My family and I are still enjoying the many pleasant features of the Coulee Country!"

James A. Hastings reports from Cheyenne, Wyoming where he is a chief appraiser.

Wayne L. Gibson. Where does the time go? We now have three boys in high school—all playing different sports or on different teams to keep us running!

W. C. Kelso, Jr. sends word from Starkville, Mississippi where he is a professor at the University of Mississippi.

James W. Klein reports from Mequon, Wisconsin where he is general manager of the Wisconsin Paper Board Corp.

James A. Mohler. I am happy to report the Mohlers are back in Minnesota. We're living in Bemidji and I work at Cass Lake. Our eldest daughter Ann is in her first year of nurses training in St. Cloud. The other four are still in the nest. My responsibilities on the Chippewa include timber, wildlife, and fire. I'm looking forward to some visits to the "U" when the opportunity comes along.

Lawrence R. Revier. We were in the drought area this past summer and our crops were just fair and some such as hay were very poor. Our soil moisture is all gone and will be tough again next year unless we get plenty of snow and some good soakers in the spring.

Robert H. Strand sends word from Roswell, New Mexico where he is an attorney.



HARVEST OF 1963

Darrel L. Kenops. We are in the process of moving to the Selway Ranger District after three years on a land use planning team. I enjoyed visiting with Minnesota grads at the SAF meeting in New Orleans. I also visited with Terry Carlstrom of '63 in Denver this fall. The family is growing—I-daho has been good for us. Also enjoyed last year's Peavey. I think questioning of alumni on forestry topics is great.

Philip N. Knorr writes, "We have been privileged to have Dr. and Mrs. Kaufert in Tucson for some 2½ months. He has given a series of special seminars which have been very well received. His last seminar this spring will be to a select group of faculty and students on forestry education. Dr. David B. Thorud, who has given strong leadership to our School of Renewable Natural Resources, is leaving for the Southeast Forest Experiment Station. He will be difficult to replace."

Vilis Kurmis sends word from the College of Forestry, University of Minnesota, where he is a professor.

James L. Whitney reports from West Colgate, Wisconsin.

HARVEST OF 1964

Larry Leigh Christian. Everything is fine in southern Minnesota. There wasn't much water for trapping this fall, but the price of fur was the highest I've ever seen it in the 25 years I've trapped. House building business is also pretty good this year so far. I've got five going up this winter so far. Hope all is well on the St. Paul campus.

Timothy E. Donovan reports from Park Rapids, Minnesota where he is a district forester for the DNR.

Robert Hance, Jr. reports from Forest Lake, Minnesota where he is an environmental studies forester with the DNR Division of Forestry.

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Glenn Lillmars. Hello! Dixie, the four girls and I are doing fine out at Stacy, Minnesota. Best wishes to the Peavey staff—I look forward to seeing the '77 edition.

Gary R. Nordstrom sends word from Columbia, Missouri where he is a forester for the Soil Conservation Service.

David S. Schreiner writes, "Greetings from sunny California...truly a different world. Life in the city is all right, but I am anxious to move to mountains closer to forestry action. God bless all!"

Jim Sparke writes from Wausau, Wisconsin where he is director of forestry for the Nokomis Lumber Company.

Richard R. Werling reports from Sylacauga, Alabama where he is manager of lumber manufacturing and sales for the Kimberly Clark Corp.

HARVEST OF 1965

Erv Berglund sends word from Corvallis, Oregon.

Gary Bergstrom. My wife Lorene, Cari, Cally, and Thor are all fine. I am still working with logging systems for Uncle Sugar. Stop in when you're in this neck of the woods.

Robert R. Gilbertson. Pam and I are still mushing dogs and enjoying this peace and tranquility of the Alaska Range. The latch-string's out and the coffee's always on. *Somebody* from Minnesota must get up this way occasionally!

Rollin R. Geppert reports from Lacey, Washington where he is a natural resource scientist for the department of Ecology, Olympia, Washington.

Eugene F. Karel sends word from Stillwater, Minnesota.

Mike Mortensson. I am continuing to enjoy California since heading west from the Monongahela National Forest in 1974. I am now the public information officer on the Sequoia National Forest. Since the forest is the southern most in the Sierra Nevada Range, we get tremendous recreation visitor use from L.A. Dealing with so many people makes the information and education job here a big challenge. I'm really enjoying it. Family is fine. Jean is active with Beta Sigma Phi Sorority and gardening—both flowers and vegetables. Things grow year round here in the San Joaquin Valley. Leslie-9, and Eric-7, keep on growing and keep us hopping.

Stephen L. Morton. Currently, I'm still stationed on the Mt. Baker-Snoqualmie National Forest. Concrete, Washington. My wife, Arlene, and I have two lovely daughters, ages six and eight. My work involves recreation, trails, law enforcement, erosion control, special uses, information and education, minerals, and several other areas. I am getting ready to attend the Forest Services' Intensive Semester month-long training session in April. I'd like to hear what's happened to my old roommates Rich Geary, Tom Emerson, and Paul Hansen.

R. H. Roberts. Finally pretty well settled back in Tomuhawk. I must admit we miss Ironwood, but we sure don't miss having snow up to our*** by the 15th of December. Tomuhawk is a nice place—just north of the "Tension Line." Karen is now in second grade, Eric is in first. Suzanne is still doing her best to make a gentleman out of me, but the going's kind of rough. Be glad to see some of you people—be sure and stop when you're in the area.

HARVEST OF 1966

Walter Gyllander reports from Florence, Wisconsin where he is a forester for the state of Wisconsin.

Theodore A. Johnson. I am still refuge forester on the Kenai National Moose Range. My family is the same with three girls, seven, five, and four years. The whole family is enjoying our stay in Alaska. If anybody is visiting Alaska stop in for Coffee or ???!!!

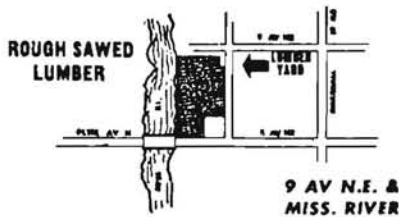
Jake N. Licke reports from Nevis, Minnesota where he is a retired USFS forest consultant.





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Thomas R. Ryan writes from Littleton, Colorado where he is a research engineer for R&D Johns-Manville.

HARVEST OF 1967

Paul E. Collins reports from Brookings, South Dakota where he is a professor in the Horticulture, Forestry Department of the University of South Dakota.

Terrance and Carolyn Costello send word from Deitrich, Idaho where Terrance is a recreation planner with the BLM Shoshone District Office.

Bjorn M. Dahl reports from Quinault, Washington where he is a timber management assistant.

Jon Fogelberg writes from Two Harbors, Minnesota where he is a District forester with the DNR.

Richard Fowler reports from St. Paul.

Muhammad Ahsan Khan Khalil reports from Newfoundland, Canada where he is a research scientist at the Newfoundland Forest Research Center.

John Loter writes from Duluth, Minnesota where he is an assistant professor in the Botany department, University of Minnesota.

James R. Lennartson sends word from Detroit Lakes, Minnesota where he is an assistant refuge manager for the Tamarac National Wildlife Refuge.

Richard B. Moore. We have really fallen in love with the Oregon country and coast. Don't see too many alumni out here though. I manage to get around quite a bit buying refuge land for the critters, so may run into you someday. Our three girls are now 3, 7, and 11. We spend as much time as we can camping and boating. Hi to all and stop by if in Portland Town, always have a bit of brew close by.

Martin K. Nelson sends word from Lansing, Michigan where he is a staff forester with the Michigan Department of Natural Resources, Forestry Division.

Lowell Petersen reports from Ely, Minnesota where he is a forester with the USFS in the Kawishiwi Ranger District.

Harold Scholten writes from the College of Forestry, University of Minnesota where he is a professor.

Fred Schomaker has been self-employed building room additions, kitchen remodeling, recreation rooms, etc., since January 1976.

Gerald Thiede sends word from East Lansing, Michigan where he is a resource planning analyst with the Department of Natural Resources.

HARVEST OF 1968

Paul T. Fuchs reports from St. Paul where he is deputy director for housing management with the Minneapolis Housing and Redevelopment Authority.

Calvin L. Kerr writes from Ketchikan, Alaska where he is a forester on the Tongass National Forest.

Roger Skistad. It has been a busy year here at Quinault; Marie, Russell, Jennifer and I have enjoyed a very mild and sunny winter. Minnesota alumni have infiltrated the Olympic National Forest. There were seven of us at last count. Hello to everyone back at Green Hall and if you come out this way be sure to stop in and see us.

Robert W. Wentz writes, "I am currently a job/task analyst at the US Army Transportation School. I conduct detailed analysis of different transportation jobs to determine training requirements. After being trained in this area of educational technology, I have become highly critical of the "why" and "what" of courses taught in elementary, secondary and college level institutions."



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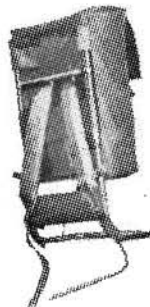
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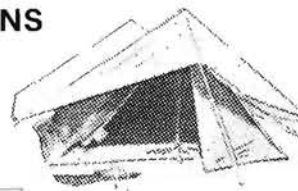
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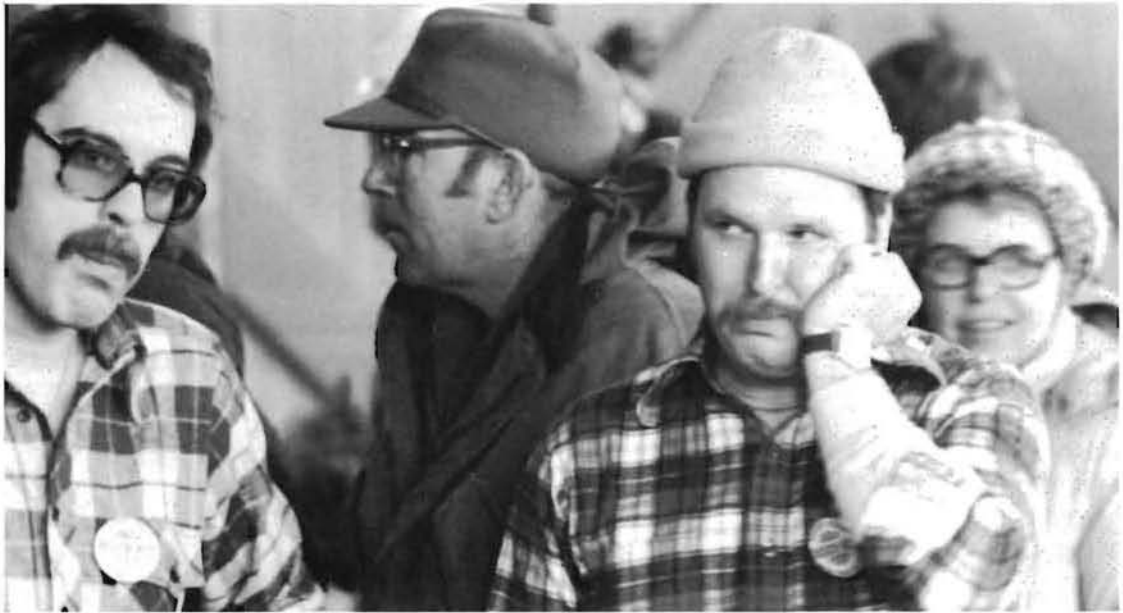
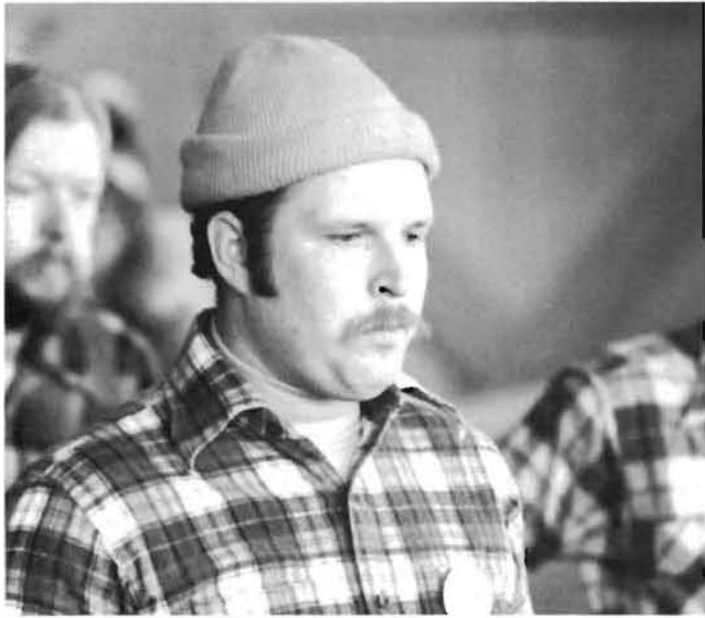
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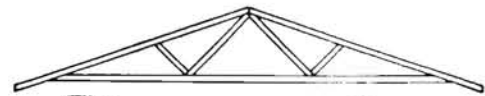
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HARVEST OF 1969

Tom Baruth reports from Minnetonka, Minnesota.

Dennis Brogger. I just transferred from Sitka, Alaska to Winatchee, Washington. Nice to be back to where we can see the sun shine. Had a baby boy, Henry, added to the family last March (1976.)

Michael W. Carey. Now we're four! Christa Kathleen was born on February 10, 1976. I'm still with the Corps of Engineers trying to accommodate 15 million recreation days of use per year at eleven lake projects in the Kansas City District. We'll have four new lakes completed by 1980 so business is booming.

Steve Corneillier. 1977 brings us joyous news with our first child. Our daughter, Nichole Michelle, was born on January 13th in Fairplay, Colorado. Seven lbs and five ½ ounces of good looking woman. Kathy and I are extremely jubilant as proud parents. Her physical prowess looks like a definite candidate for the 1996 Olympic Alpine Medalist. My work at Keystone continues to be very rewarding. Last summer I was trails supervisor. I was responsible for all Natural resources on our mountain. This included trail layout and design, logging, shaping, revegetation, and watershed management. I work directly with the Dillow District, of the Arapaho National Forest on all facets of managing our skiing mountain. Winter operations have me as operations supervisor for all uphill transportation. Year round I have 55 people that work directly for me. To all our forestry friends—stop in and see us at Keystone, Colorado.

Terry Helbig. The district forester position at Lake City is still providing me with plenty of challenges. This year saw the completion of the most rewarding project of my career thus far—a nature trail accessible for physically handicapped (wheelchairs and others) and elderly persons who can not negotiate a normal trail. This project was a first for the state of Minnesota. The DNR is working on developing more such facilities in other state forest recreation areas and state parks. Handicapped persons have long been discriminated against by barriers able bodied persons do not even notice. I hope other states' DNR or equivalent agencies are also



working on opening lands under their administration so they are accessible to all persons.

Charles A. Nelson reports from Sioux Falls, South Dakota where he is a data analyst for EROS Data Center.

Ernesj E. Nelson. Like most forests in region six, we're nervously awaiting summer and the potentially dangerous fire season. Normal snow depths are 4-5 feet but right now (March 2) our lawns are bare. Anticipate meeting fellow graduates on fire lines this summer. Job essentially the same, but have been able to reorganize my own department to streamline intensive design. Would advise all student foresters to receive much training in logging systems, silviculture, and soils. These are areas most problems have been occurring in. I wish the class of '77 GOOD LUCK in your endeavors.

Lynn Christian Peterson writes, "Just had a new addition to the family. Another female forester, Gretchen Lynn, born February 2, 1977. Britta is now 2½ years and is into everything. Oh yes, the old mare, Biz, is still plugging along."

Bruce A. Rottink is still a research forester with Crown Zellerbach Corp. in Camus, Washington. "This past summer my responsibilities have changed to conducting research in flower induction, vegetative propagation and early evaluation of superior genotypes. It's enough to make a hard-core physiologist pale with ecstasy. My wife, Karen, is in real estate full-time and enjoys it tremendously. We enjoy the area a lot here, what with fresh salmon and skiing being so close together along with gobs of hiking and camping opportunities. We bought ten acres of land this past year which is covered with 80% brush. Conversion to a Douglas-fir stand will provide my weekend challenges for a long time. Good luck to you all.

Bruce F. Schmidt sends word from Shawano, Wisconsin where he is a managing partner for Schmidt Lumber.

Ken Sloan writes, "I transferred from Brule, Wisconsin last summer to the Northern Highland State Forest. The two kids, Bill and Christine, are both growing like weeds."

Charles K. Smith. Recently took a job at the Metropolitan Council here in the Twin Cities. Major duties involve developing an overall recreation supply-demand model for the Twin Cities area. Personal events include looking for a house. Hope to move in May or June.

Charles G. Tauer sends word from Stillwater, Oklahoma where he is an assistant professor at Oklahoma State University.

Steven Weeks reports from Loretto, Minnesota where he manages the Gabler-Sage Lumber Company.

HARVEST OF 1970

Jack Blackwell. Pat and Jackie still enjoy Alaska very much. We've recently transferred to Sitka which has a population of about 7000. There's a big job to be done up here with a small number of people to do it—a fair amount of them are from Minnesota!

Bruce Fuller. Marsha and I now have a new addition to the family, Kelly. I was hoping for a German shorthair pup but had to settle for a girl. Urban forestry agrees with me. Would welcome a visit from anyone traveling in our neck of the woods. Stop and hang your hat for a spell. (Spell can be for one hour to a week!)

Bill Johnson reports from Lakeview, Oregon where he is a forester.

Robert W. Morrow. Andrew Robert was born May 5, 1976. He has hands and feet like snowshoes. If current rate of growth and energy continues he will be a moose wrestler by his third birthday. Stop and see him anytime.

John P. Potyondy. I am still with the Forest Service in Mountain View, Wyoming, working as a hydrologist. I am constantly amazed at the large number of people working in the Intermountain Region who got their education at the University of Minnesota. Keep up the good work!

Michael J. Rath sends word from Medford, Oregon where he is a forester for the BLM.

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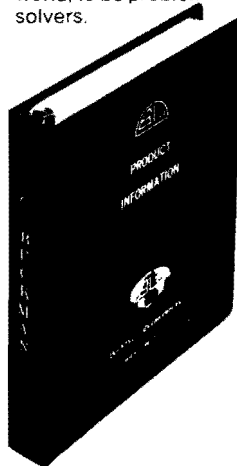
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James M. Russell. I am still working for the USFS. We recently transferred from Petersburg, Alaska, spending six years there. We have a red-haired daughter, Sara, 4½ years old, and a new arrival, Max, now six months old. A special hello to all our friends and please drop in anytime. Our street address is: 128-2nd Street NE, Cass Lake, MN.

Gerald R. Rustad. My wife Sandy, son Bracken and I managed to pull through the first year with the twins. Taking care of two babies is a *real* experience. We had a couple of good men from Minnesota work for us last summer. I am looking forward to having more summer employees from Minnesota. From my experience as a supervisor, Minnesota is putting out the best foresters in the country.

Keith Simar and wife Candace have a one-year old daughter, Faith Ann. Keith writes, "I am a district forester with the state of Minnesota, I've been here since 1971. I enjoy the work and had a very challenging fire season—52 fires in my district—no big ones. We had a visit from my uncle Leslie Orr, 1927 grad and entomology professor. He is retired and living at Ogden, Utah."

Jack Thompson. I have been working up in Casselton, North Dakota for almost a year now as a science teacher in the local high school. "Sometimes" the three best reasons for teaching is June, July and August. It sure isn't the pay. I'll be getting married this June; and then I hope to travel this summer to Norway, Sweden and Germany to visit relatives and friends.

HARVEST OF 1971

Douglas C. Aasen reports from Greenfield, Wisconsin where he is a Mr. Steak Restaurant manager.

Leland R. Gauron sends words from Summerville, South Carolina where he is a staff assistant technical forester for Westvaco.



Beth Gail Montgomery. I am learning more each year at Northrup King about seed research and technology. My work is interesting to me. One thing I now realize is the necessity of repeated trials at every step in a research project. My husband, Mike, will complete a bachelor's degree in computer science this year which will be great—for both of us! It's been a long haul in night school, etc. We are both very active and involved with youth work at our church and related activities there. We flew to Calgary, Alberta, for Christmas 1976 with my family. My dad is Bob Bauch, also a forestry alumni.

David C. Peterson sends word from West Concord, Minnesota where he is a regional board representative for the Minnesota Soil and Water Conservation Board of the DNR.

Gordon Straka reports from Afton, Minnesota.

HARVEST OF 1972

Lee Christensen writes, "Hello from the 'Banana Belt.' My regards to the staff. Maybe they ought to offer a course in Desert Survival!"

Larry Donovan informs us that he is a forester with the USFS in Greenville, California.

Richard Halstead lives in Roseville, Minnesota where he works for the department of Agronomy and Plant Genetics as an agricultural research technician at the University of Minnesota.

Jeff Herrett sends word from Hayfork, California where he is a hydrologist.

Daniel W. Hurley writes from Mobile, Alabama where he is a research wood technologist for International Paper Company.

Dennis Kanten. At this writing we are in the process of transferring from Two Harbors, Minnesota to Bethel, Maine, with the Forest Service and will be settled there by January. We are expecting our second child February 1, so things will be fairly hectic for a while. The switch from Superior National Forest to the White Mountain National Forest will mean quite a change in geography, topography, timber types and values, etc., and will be very interesting. We are both looking forward to the change.

Timothy P. Probst. I got married on August 29, 1976. My wife's name is Jeanne. I am really enjoying this change of lifestyle, but it certainly required some adjustments.

Patrick J. Weicherding reports from St. Paul.

HARVEST OF 1973

Gene Ahrendt. Greetings! I spent some time in Minnesota with the North Central Forest Experiment Station in Grand Rapids. While there I was glad to be able to tip a few with many of the "U's" finest foresters. For those who are in the Laramie area, just give a holler so we can do the same.

Arno W. Bergstrom writes from St. Paul where he is an assistant extension forester for the Cloquet Forestry Center.

Jim L. Bowyer sends word from the Kaufert Laboratories at the University of Minnesota, College of Forestry.

Henry Hall writes from St. Paul where he is an assistant scientist for the Forest Products Department of the College of Forestry.

Donald K. Golnick sends word from the Mad River Ranger Station of Bridgeville, California where he is a forester.

Ralph R. Greiling. Greetings from old New Orleans! I am enjoying my last months in this town. I am looking forward to a trip home at Christmas, a last Mardi Gras in February and THEN...discharge from Uncle Sam's Silly Green Machine! Enuf army for this kid, let's get back to work

What America's forests mean to you.

Many people thoroughly enjoy forests. They enjoy fishing and hunting and all the other recreation forests can offer. Other people simply like to view a huge tract of trees and marvel at one of nature's most beautiful creations. Still others take a strictly utilitarian viewpoint—forests are watersheds, trees produce oxygen, wood is a raw material. But whatever their point of view, all Americans have this in common: they rely on forests in many ways.

Jobs and a Payroll

Many people rely on America's forests directly for a livelihood. In 1975, the forest products industry—including wood, pulp, paper and furniture—employed an estimated 1.15 million people whose paychecks for the year totaled nearly \$11 billion. But that's just the initial value of the paychecks. The sawyer in the lumber mill spent some of his paycheck for groceries. The grocer used part of the same money to buy clothes. The clothier used a portion of the money which he received from the grocer to pay the plumber. And so it goes. A single paycheck spreading out to purchase a wide variety of goods and services. And all of it ultimately derived from forests. In addition, several million other people in thousands of companies earn their livelihood selling products and services to the forest products industry.

Taxes and Services

Privately owned forests also provide tax revenue. Last year, taxes paid by companies in the forest products industry amounted to many millions of dollars. Part of these dollars went to the federal government. The rest helped to support local schools, fire and police departments, sewage disposal systems, and other services provided by state and local governments.

So the government relies on forests for tax revenue, and people, in turn, depend on the services which are provided by the taxes.

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The Endless Bounty

Today, more than 5,000 products are made from wood. Many products which we have come to consider as necessities are derived from forests. And it seems that new products are continually being developed from

wood and wood by-products. So, even if you are not directly affected by the forest products industry, you still rely on America's forests.

Fortunately, forests are a renewable resource. And that may be their greatest value. They will continue to provide man with the luxuries and necessities of life.

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in forestry. Hoping to start grad school in the fall of '77 if anybody will have me. Still have my senses about me and have remained single. I figure a bulldog is companionship enuf and a helluva lot cheaper. Best wishes to all fellow foresters, especially the old gang of '73.

John C. Hanson sends word from Grand Rapids, Minnesota where he is an area forester for Blandin Paper Co., Woodlands Division.

Gary C. Insley writes from Sawyers Bar, California where he is a sale administrator for the Salmon River Ranger Station.

Lee Johnson reports from Grand Marais, Minnesota where he is a forester for the USFS.

Mark A. Jukich sends word from Canton, Ohio where he is an assistant to the land manager and forester in the Muskingum Watershed Conservancy District

Stephen Nielsen. Howdeeeee! My family and I are back in Minnesota after two easy years in California. It's rather difficult getting acclimated to the weather here again. We had a new addition to our family, a girl born in Weaverville, California. We now have a girl and a boy. (That's all folks.) We bought a house just outside of Cook. It's old but it's big. Glad to be back in the old home state. P.S. We have two puppies now. They are eight months old, 75 and 77 pounds.

Bob Scarborough reports from Minneapolis where he is a buyer in forest products for Reserve Supply Company.

Robert Dienko writes from Inchelium, Washington where he is a forester for BIA.

Richard F. Wiskey sends word from St. Paul.

HARVEST OF 1974

Leonard Braun writes from Le Center,, Minnesota where he is a park manager for the DNR at Monson Lake State Park.

John R. Davis. Greetings from rural America. I am still working with Boise Cascade at McCall, Idaho where I now alternate between forestry and scaling. Been spending my work days checking log cutters for log quality, cruising timber, marking some, and running line. Free time has been spent working on the ski patrol at Brundage Mountain across the lake. I had the opportunity to visit with Randy Langseth, Mary Earl, Tom Walz and Mike Williams, all from the class of '76, last fall. Also visited with Wayne Miller (J.J.), Bill Befort, Joe Ulliman, and Terry Thompson (now with our competitor Potlatch at Lewiston). When I was on a business trip to Moscow. Best wishes to Ken, Scotty, and the rest of the Green Hall crew, and especially cronies from the great class of '74. If you get out here stop in.

Ronald Goetzinger writes, "Hello to everyone at the "U." Well the DNR made it through a long hot fire season and it looks like a long cold winter also. I ran across Rod Sando and Frank Irving on a fire by Little Falls this summer. It was good to see them again.

Tom Kraemer writes from Faribault, Minnesota where he is a district forester.

James R. Marshall writes from St. Paul where he is a jr. scientist for the College of Forestry.

David P. Mathweg sends word from Roseburg, Oregon where he is a forester and contract administrator for the BLM.

R. Bruce Schoenberg writes from Cromwell, Minnesota where he is district forester for the DNR.

Ralph Winkler. Hi to everyone. I transferred to Deer River District last July. My wife Theresa and I bought a house and are expecting our first born in March.

Les Zilmer. My wife and I and our Chesapeake are enjoying life in the Black Hills area. No mosquitoes, no swamps, and no brush make life a lot easier. Plenty of deer, turkey and antelope make it very enjoyable.

HARVEST OF 1975

Scott Barger. I have been with the DNR for over a year now. Saw the state last year fighting fire in 11 districts. I got a new office job now though, so might be able to tiptoe through this fire year. Trouble is I might at least have a chance to see home occasionally.

Jerome Deden is a consulting forester in Loganville, Wisconsin.

Robert P. Latham is a principal with HJW and Associates of Oakland, California.

Mark Rovelstad. I'm going into the Peace Corps program in Guatemala in June barring any unusual unforeseen events. Hello Mary Himanga and Mary Earl.

Tom Schnadt writes from St. Paul where he is a teaching specialist for the college of Forestry.

HARVEST OF 1976

Igor V. Fejda sends word from Inver Grove Heights, Minnesota.

Mark Hansen. I'm keeping very busy while working on my graduate studies here at the University of Wisconsin. Assuming everything goes as planned, I'll be getting married to Brenda Krugler in June. In the mean time, I'm going to school and enjoying the student's life down here in Madison.

Mary A. Himanga writes from Coon Rapids, Minnesota.

Mark Jacques sends word from Eden Prairie, Minnesota.

Peggy Kain is working for the Forest Service in the Silviculture Department of the Hoodspout Ranger District. The job is still a temporary appointment.

Jim Lewandoski. I am currently working for the Kenai National Moose Range in Kenai, Alaska, on timber inventory and computerizing the cover types of the Moose Range. I am working with Al Johnson, '66, and other Minnesotans.

F. Thomas Milton writes, "Right now (Wednesday, January 19, 1977, 3:15 p.m.) I'm a grad student majoring in Forest Products and Extension Forestry. Who knows what I'll be doing tomorrow."

Marvin Matt Olson. After graduation, I worked as a forestry technician for the BLM at Tok, Alaska, as a seasonal job. Since my termination on September 24, 1976, I have been unemployed and actively looking for employment in the forestry field, but with no success so far. My wife, Darlene; son, Roger, age nine in the third grade; and I are living in St. Paul, but we want to leave this area (the cities) as soon as possible after I find forestry related employment. After four years of education it is disappointing to find oneself unemployed.

Stefan Pederson writes from Minneapolis where he is with the Star and Tribune.

Mark Toenies sends word from New Milford, Connecticut where he is an operations manager.

Thomas Walz. I spent a great summer working for the Forest Service in Idaho. A variety of jobs including dispatching, helicopter managing, and some timber cruising made work enjoyable and interesting. I was amazed at the number of Minnesota grads now working out West. Many were interested in the College and the Gopher Peavey. I hope to take a short vacation and be able to do a little traveling. Hope to see all soon and Good Luck with the Peavey and F-Club.

Michael R. Williams writes from New Richland, Minnesota.

Syd Williamson sends word from Springfield, Oregon where he is a forester with the BLM.



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The Peavey is a lot of work to a great many people. Without the help of a hard working staff there simply would not be such a thing as the Gopher Peavey-Alumni News. Best of wishes to those who were concerned and involved in this issue, I hope that it was a rewarding learning experience for all. Thank you all! (A special thanks to Les Gonyer for moral support!)



Roy Mead
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Gail McClure
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Don Breneman
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Advisors

A special thanks to our advisors who did a lot of worrying for us and about us! Their concern helped to make this year's issue enjoyable in the making and I believe enjoyable in the reading and browsing. We thank Roy for his worry-wart-ability, Gail for her knowledge on everything you could think of, and Don for his knowledge and advice on our photos. A thank you is also due Ken Winsness who was available when we had problems. I'll bet they just can't wait until the next issue gets started!

Conclusion

We are proud to have participated in the tradition of the Gopher Peavey-Alumni News. We now express our gratitude to our advertisers and Blandin Paper Company who provided us with the paper you are reading from now. We encourage you to support them as they have supported the Peavey. We also express our appreciation to the alumni. Your subscriptions make publication to the Peavey possible. Your opinions form a vital link in the chain of communications that joins professional foresters, forestry students, and the College of Forestry.

We wish you all the best in your endeavors.

The 1977 Peavey Staff

Journey of All Men



Man has a faith made up of many articles, but which at bottom is a faith in himself.

Man begins his journey while yet small. Holding childhood dreams he becomes an adult ready to dream of new opportunities and new lands. His mind grows, and he travels where maps have never directed.

He becomes a writer of books, a painter of pictures, and a maker of philosophies. He becomes obsessed with ideas, scorns the work of others, and finding his own way, calls all others false. Man makes history of the universe and directs the destiny of nations, yet he does not know his own history, and he often cannot direct his own destiny with wisdom.

There is one belief, one faith that is man's beauty—that is his belief in life. He lives below the stars, writing his meanings in them. He toils and sweats under the sun wanting not to see the day he cannot so toil or sweat. He wants life.

Mankind has progressed because of faith. Man had a faith made up of many articles, but which was at bottom a faith in himself. He knew the universe was large and he small, but he held that if he could only capture a fragment of truth about the universe or life and make it known and felt by others, that would be a more precious

accomplishment than anything else he could imagine.

The progress of mankind can be seen in the journeys of men. When I travel down a path or road, it almost invariably leads me to a source of water. When I look at the waves wrinkling toward me, I know that we take from nature what we cannot see. So it has always been and will always be, in this is the progress of our lives.

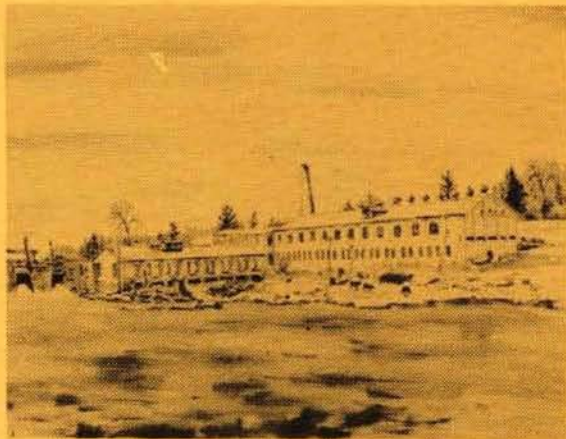
Working with this year's Gopher Peavey has taught me a great deal about people, institutions, and myself. It is unfortunate that I cannot tell you here the many lessons I learned or share with you the feelings those lessons produced. I end with a simple hope that as journeymen you will have the ability to travel alone in thought, but the wisdom of love and hope to share those thoughts with your fellowman.

With Respect,

Cindy Lemming



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