



**GOPHER
PEAVEY**

*Alumni
News*

1974

We

Dedicate

This

Issue

To:



Frank H. Kaufert, Dean 1945-1974

- for the enrichment and distinction the College and the University has received from his long and distinguished career of leadership and service to professional forestry education and research
- for his sincere interest in the personal dedication to the students, staff, and alumni of the College of Forestry
- as the Builder of Forestry on the St. Paul Campus
- for above all being a very warm and human person who has given of himself enthusiastically for the welfare of others as a teacher, a scientist, a leader, and a friend.

Gopher Peavey

Alumni News

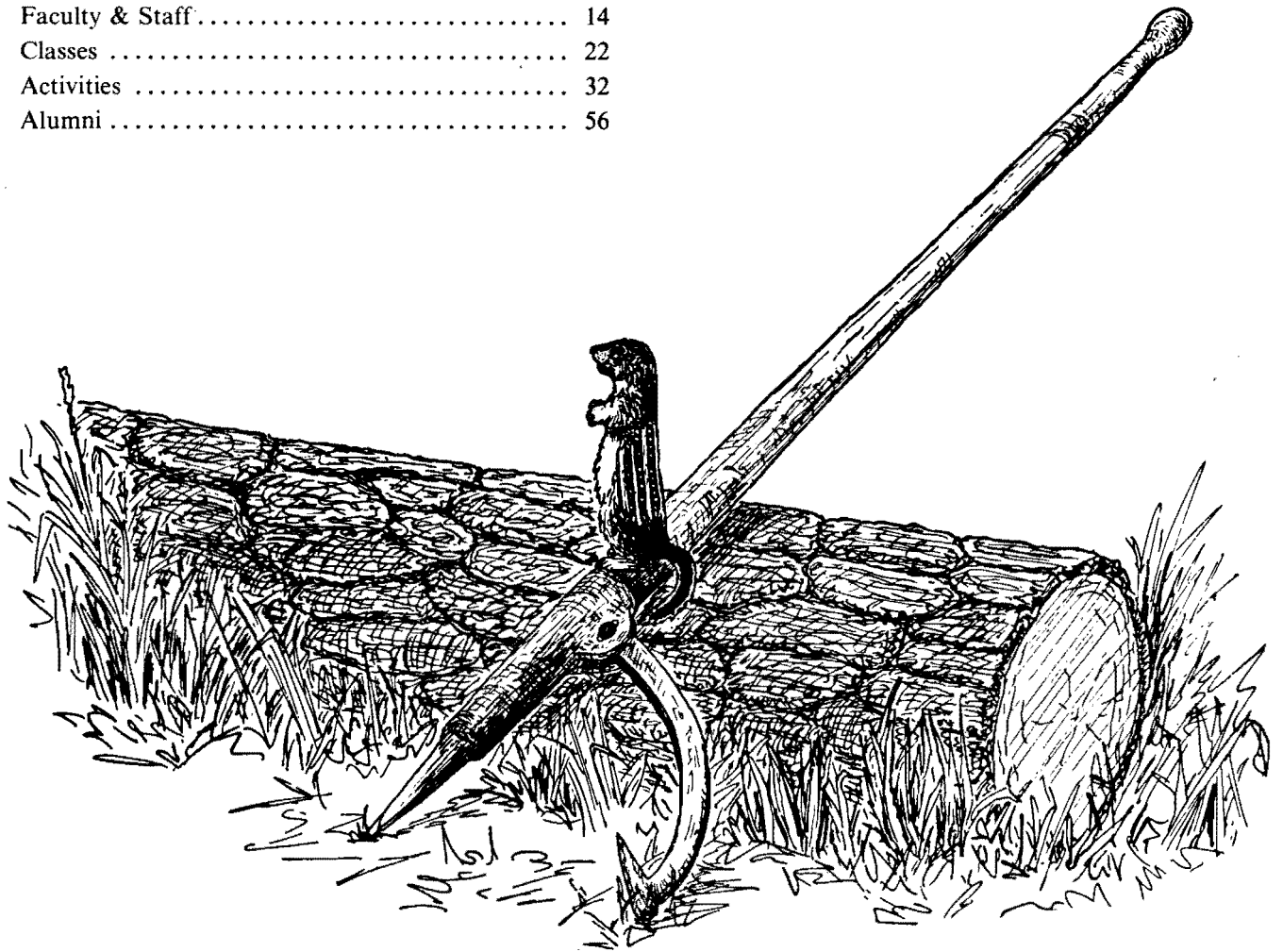
annual publication of the
FORESTRY STUDENTS

University of Minnesota
St. Paul

1974

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FOREWORD

Once again the University of Minnesota College of Forestry Alumni, students and staff members have joined together in publishing another issue of the Gopher Peavey-Alumni News. It has been this working bond between professional and future professional foresters that provides a sharing of ideas and makes forestry the most responsible of professions. It is also a very human sharing of life as we record another chapter of memories for the future. The 1974 Peavey will mark the 54th year of continuous publication for which we have much to be proud.



As the Dean Bows Out: Needs — and Opportunities

This is my twenty-sixth and last report on the College and its predecessors. I recently reviewed most of the Gopher Peavey-Alumni News containing these reports. It was kind of nostalgic but fun to see the changes in hairline, faculty, students and office staff. Although the Gopher Peavey - Alumni News has changed during this period, it still is the same lively and interesting annual production that it was in 1948 and in all earlier years. It has always been and still is primarily a student production with cooperation from the faculty and the support of alumni, without which it would soon perish.

In each of the twenty-six reports prepared since this series started there has been a certain amount of boasting relative to developments in faculty, facilities, etc. However, there truly have been many developments that justified at least some boasting. To review the total happenings during this quarter century one needs to review all of the Peaveys, because a fairly complete record is presented in the annual reports and in other parts of this annual. In this last report let's look at the future. While what has been accomplished has been considerable, the job ahead appears to have even greater and more interesting potential and challenges.

Faculty

Much has been made of the fact that in the last quarter century the faculty of the College of Forestry has grown from 6-7 to about 40. The number will be over 40 when the present open positions are filled. It would appear on the surface that such a sizeable faculty should be adequate in 1974 if a faculty of six could do the job in 1947. However, as all of you well recognize, the entire field of forestry has changed and many important areas of the total field have been developed into disciplines as broad and challenging as was the entire profession in 1947. The result is that the College of Forestry, even with its 40-man faculty, has only skeletal staffing in such important areas as Remote Sensing and Aerial Photogrammetry, Recreation and Resources Management, Forest Hydrology, Physiology and Genetics, Forest Measurements, Forest Fire and Forest Management, Timber Harvesting and in all areas of Forest Products. We were successful this year in adding a faculty member in Forest Products, thus giving us two faculty members in the area of Pulp and Paper, which we are developing and staffing with the help of a fine grant from the Blandin Foundation. This skeletal-staffing situation must be corrected if the College is to develop the type of

strength that we see in our sister Colleges of Agriculture and Home Economics on the St. Paul Campus and in leading forestry schools of the U.S.

Another faculty area in which the College is understaffed is in Extension. Although we are this year establishing a new one-half time Extension position at the Cloquet Forestry Center, this will bring our total to only 3½, with only one in the area of Forest Products. Extension staffing should be increased several-fold to accomplish what is needed in terms of continuing education, dissemination of research results and a better contact with the public.

Our College Office is an added area in which we are very thinly manned. With Ken Winsness and an assistant handling most of our freshmen and transfer student advising as well as operating the entire College Office set-up, we are not now adequately meeting student's needs. A part- or full-time job-placement officer is needed in the College Office.

Facilities

In the late 40's and early 50's we concentrated rather heavily on building and developing the Itasca Forestry and Biological Station facilities. The expansion there was considerable and the majority of the buildings still are those built by Dr. T. Schantz-Hansen, Walter Nelson and Eric Wallin. The College asked to be relieved of the management responsibilities for the Itasca Station in 1954. In recent years several new laboratories and cabins have been added with grant funds and legislative appropriations, but the basic nature of the campus and its structures are similar to what they were in the mid 1950's. The \$20,000 assembly hall, dining room and kitchen that Schantz, Walt and Eric built in 1950 recently was remodeled, or is being remodeled, at a cost of several hundred thousand dollars. This gives you some idea of how building costs have changed.

The offices, classrooms and student living quarters at the Cloquet Forestry Center are largely new, having been built since 1960. All student cabins have been modernized and the classroom and other facilities are now useable on a year-around basis. However, we lack the second unit of the classroom-laboratory facility and we will be asking the 1975-77 Legislature for this. The classroom-laboratory building was originally planned to have a major research component, but only the classroom-office portion was built as Phase I. The research phase of this building should be added in the next few years.

On the St. Paul Campus we are in the process of completing the third phase of the Forest Products Building, which ties all three phases together into a most attractive and useable structure. The Forest Products Building probably will be adequate to take care of Department of Forest Products needs for some years. However, new equipment and some modification of existing space are still critical items.

Probably the greatest single College facility need is for the Green Hall Addition, for which \$25,000 of



preliminary planning funds were provided in the \$1 million appropriated for Phase III of Forest Products. Funds for working drawings and construction of the Green Hall Addition were not provided by the 1973 Legislature. Green Hall is terribly cramped presently, with inadequate space for faculty and graduate student offices, remote sensing, aerial photogrammetry, forest hydrology, forest recreation, forest measurements and forest genetics, library, College Office and Student Commons. The College of Forestry will be seriously handicapped and will not rank with the best in the country until this serious deficiency is corrected.

Research

It is not surprising that there has been considerable emphasis from 1947-1974 on development of the College's research program. In 1947 we had \$500 of research funds. Through the gradual addition of Federal Hatch funds, State General Agriculture Research (GAR) funds, Grant funds, McIntire-Stennis Cooperative Forestry Research Act funds (Federal), and, more recently, State Agricultural Special funds for such projects as our Cloquet Forestry Center "Effects of Mechanized Logging" study, we have built the total research funds available in 1974-75 to approximately three-quarters of a million dollars.

A considerable part of our research is cooperative; with the North Central Forest Experiment Station, State Department of Natural Resources, the Minnesota forest industries, and such University Departments as: Entomology, Fisheries and Wildlife; Plant Pathology; Soil Science; Agricultural Economics and other groups.

While this research growth has been gratifying, it has been far too slow to take care of the needs in most of the disciplines in which it is concentrated. We should have three-quarters of a million dollars of research funds to adequately take care of our Forest Products research, if this program is to develop as hoped for and is to realize fully the potential of the available facilities and equipment. We need additional



funds to better finance the excellent projects at the Cloquet Forestry Center, such as that on "Effects of Mechanized Logging." A many-fold increase of research funds is needed for our remote sensing and aerial photogrammetry program, and similar increases are essential for economics, fire-use, recreation, biology, hydrology and measurements research.

Some of these funds will no doubt need to come from the same sources that provide most of them presently: State General Agriculture Research, State Specials, Hatch, grant and especially McIntire-Stennis Cooperative Forestry Research Funds. The latter source would appear at this time to offer possibly the greatest promise of new funds for research. All McIntire-Stennis funds coming to Minnesota are in the College of Forestry. We have not been very active or effective in

obtaining larger amounts of grant funds for forestry research. The faculty, particularly as it grows and is "fleshed out," needs to become far more active in soliciting and obtaining grants in order to achieve the increases in research funds that appear to be needed and could be effectively utilized in conducting research of value to Minnesota and the nation.

Teaching

The College of Forestry faculty has always considered undergraduate teaching its first and most important single function. After this commitment come research, graduate education and public service.

With growth in enrollment many of our classes have increased to almost impossible sizes, 125-160 students in many junior-senior or professional course classes. Such large classes have resulted in considerable student as well as faculty dissatisfaction. These classes need to be broken down into smaller groups, a possibility only if we are able to substantially increase our faculty numbers in the future. This should be one of the prime challenges of the College of Forestry and its leadership in the coming years.

The College of Forestry faculty has been very active in developing and adapting new teaching techniques. These have been helpful efforts and have had fine student response. However, there is so much more that can be done in this field of self-study aids and new teaching techniques.

Enrollment Limitations

For too many years the availability of 0100 or teaching funds was keyed to total enrollment. Total enrollment still is a factor in allocation of teaching funds. However, to an increasing extent fund allocations are being equated to teaching loads or student contact hours (SCH).

With this development there will be greater opportunity for the College of Forestry to go to Senior College status and admit only at the Junior level, at which most of our professional course work begins. Since Itasca now is the entrance point for Juniors in Forest Resources Development, who make up 95+% of our Itasca enrollment and 80+% of our students, the College could become a Senior College in the future with fewer complications than in the past.

Also, with regard to undergraduate enrollment, the capacity of the Itasca and Cloquet facilities should largely govern future enrollment in the Forest Resources Development curriculum, and the College should go slow in repeating the same mistake made in 1937-38, when special field sessions were held on the Chippewa National Forest in order to accommodate the large enrollment. The results were disastrous, with 92 students graduating in 1938 and job opportunities available for few of them. By counseling more students into Forest Products, where employment opportunities are excellent, by increasing entrance requirements, and by selecting as juniors in Forest Resources Development only the number of quality students that can be accommodated in the

Itasca and Cloquet facilities, the number of graduates produced in the next few years should be kept in reasonable balance with employment opportunities. Although some students wishing to enter Forest Resources Development may be excluded under such an arrangement, the number should not be large and the quality of students and graduates should be increased.

I appreciate that the above treatment of needs and future opportunities for the College of Forestry are far from complete and much more could be added. Also, I appreciate that in concentrating on future needs and challenges I have not given the normal coverage to honors, awards, recognitions and accomplishments by faculty and College alumni. For example, the New York Times and Change magazine last fall published the results of an evaluation of graduate schools, an evaluation made by the deans in 36 disciplines, including forestry. The University of Minnesota had three graduate programs listed as being among the first five in their respective fields: Dentistry, Journalism and Forestry.

Many faculty members and alumni have been recognized and honored. I apologize for not providing coverage for at least a number of these. With four of the six U.S.F.S. Forest Experiment Stations now headed by Minnesota alumni; with the Chief of the U.S. Forest Service and Commissioner and Deputy Commissioner of the Minnesota Department of Natural Resources being College alumni; and with 14 of the U.S. accredited forestry schools having Minnesota alums in top leadership positions, this would indeed have been the year for a bit of chest thumping. However, I'll leave such accounting of accomplishments by alumni and faculty for some future effort.

In closing this report, and series of reports starting in 1948, one year after I took over as Acting Chief of the then Division of Forestry, let me say that while I write this last report with some regret, I also do so with a deep sense of satisfaction and gratitude. As things have turned out, I do not regret having returned to the University of Minnesota College of Forestry from the DuPont Chemical Company in 1940, the Forest Products Laboratory at Madison, Wisconsin in 1945, and, ten years ago, from the Cooperative State Research Service in Washington, D.C. It has been a busy life. It has been full of challenges and opportunities. It has resulted in some accomplishment, and in the development of a base on which others can build stronger and more adequate programs than we presently have. What has been accomplished has been possible only because of the continuous and complete cooperation of a fine faculty and office staff, a cooperative University administration, hundreds of students and graduate students, and the continuous loyalty and support of alumni. I thank all of you for your cooperation, loyalty and contributions, without which few of the developments and accomplishments of the past 27 years would have been possible.

"Keep 'em rolling."



Pulp and Paper: New Program, New Facilities

by R. O. Gertjensen

The Pulp and Paper Program at the University of Minnesota is a teaching and research activity of the Department of Forest Products, College of Forestry. The inception of the program coincided with a recent one million dollar addition to the existing Forest Products Building completed in August 1973.

Statistics on the Forest Products Building:

| | Gross Ft. ² | Net Ft. ² |
|------------------------|------------------------|----------------------|
| Present building | 18,000 | 14,300 |
| New addition | 15,000 | 11,700 |
| Total for new facility | 33,000 | 26,000 |



Approximately one-half of the completed facility will be devoted to the Pulp and Paper Program and the other half to other aspects of Forest Products including wood science, product marketing, and manufactured housing.

The new facility is highlighted by 1000 additional square feet of controlled environment rooms, a 12" Fourdrinier designed by the Institute of Paper Chemistry, and the overall ability to accept and chip roundwood or residues, pulp chemically or mechanically, and prepare stock for paper making. This primary equipment is complemented by auxiliary equipment and laboratories for nearly all aspects of pulp and paper testing.

Although the building is basically of brick and mortar construction, the exterior is covered with vertical western red cedar 2 x 6's with one inch spacings on red cedar plywood backing. In addition, forest products have been incorporated into the building wherever possible.



The Pulp and Paper Program receives guidance from Minnesota's pulp and paper industry through a seven member Pulp and Paper Industry Advisory Committee. The group advises the Department of Forest Products relative to curriculum content, research and teaching equipment, research activities, staffing, and physical facility needs.

A scholarship program has been established for undergraduate students in the Pulp and Paper Program. Scholarship support comes from the pulp and paper industry allied trades, and private individuals and foundations. In addition, the Minnesota Section of TAPPI has established a separate scholarship for students transferring from a junior college in northern Minnesota to the University of Minnesota.

With completion of the new facility it is possible to adequately handle graduating classes of up to 25 students. However the goal for the next ten years, or until a strong industry upturn creates a greater demand for graduates, is a graduating class of 10 students per year.



In addition to the original Forest Products Building completed in 1960 and laboratory (Phase II) completed in 1964, the new Phase III has added a third floor to the building containing a large classroom and graduate student offices.

A conference room and two offices were added to the north end of the second floor and the deterioration lab was remodeled into a secretarial office. Remodeling also subdivided the old chemistry lab into a computer lab, market lab and another office.

A new chemistry lab and a classroom were added to the first floor and the old conference room made into a wood deterioration lab.

The Phase II laboratory was doubled in size to house the new equipment in the expanded pulp and paper program including a wet lab and new controlled environment rooms.

Wood: What Price the Future?



WOOD PRODUCTS An Uncertain Future? . . .

JOHN G. HAYGREEN
*professor and head
Department of Forest Products*

In the next two or three decades wood-based materials will be faced with real and imaginary threats posed by manmade substitute products. Plastics, for example, might replace fine hardwoods in furniture. Steel or aluminum might be widely used in place of softwood dimension lumber for framing. And carpeting might be a commonly accepted substitute for hardwood flooring in new homes.

Three major factors could bring about a major switch from wood products to other materials. The first is the possibility of a shortage in the real supply of raw materials such as pulpwood, sawlogs, and veneer logs. Shortages cause prices to rise, which in turn may reduce consumption. Walnut lumber is a prime example of this. If it were readily available, the price would be lower, consumption higher, and the switch to competitive materials less pronounced.

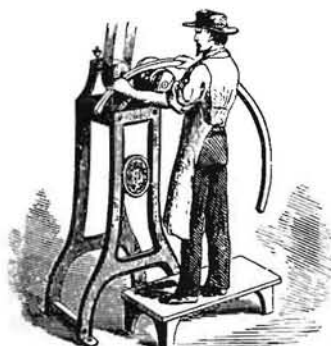
A number of hard- and softwood species in certain log sizes and qualities are already becoming difficult to obtain at competitive prices. Yet in the U.S. presently, more wood is being grown than is cut or lost to

natural causes. This situation is likely to prevail for another decade or two, but assuming continued population growth, affluence, and use of wood as a major building material, we will eventually reach a point where production and consumption of raw wood is either balanced or demand is greater than supply. If our nation hopes to prolong the day when requirements for wood exceed supply, it is imperative that the productivity of U.S. forest lands be increased. This will require public demand for land-use policies that recognize the importance of timber production. Failure to make timber production a legitimate national goal will improve the competitive position of non-wood materials.

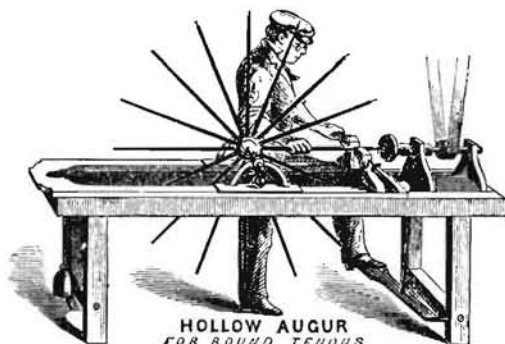
WOOD VERSUS SUBSTITUTES

Technical developments in the properties of other materials might give them an advantage over wood in cost and serviceability. Plastics such as polystyrene, polyester, polyurethane, and ABS are being widely used in the furniture industry to simulate wood parts. By 1975, it is predicted that nearly 1 billion pounds of plastics will be used annually by the furniture industry.

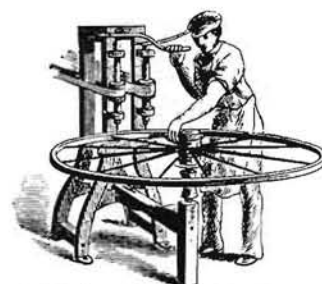
As the table below shows, some strength properties of plastics are not greatly different from those of



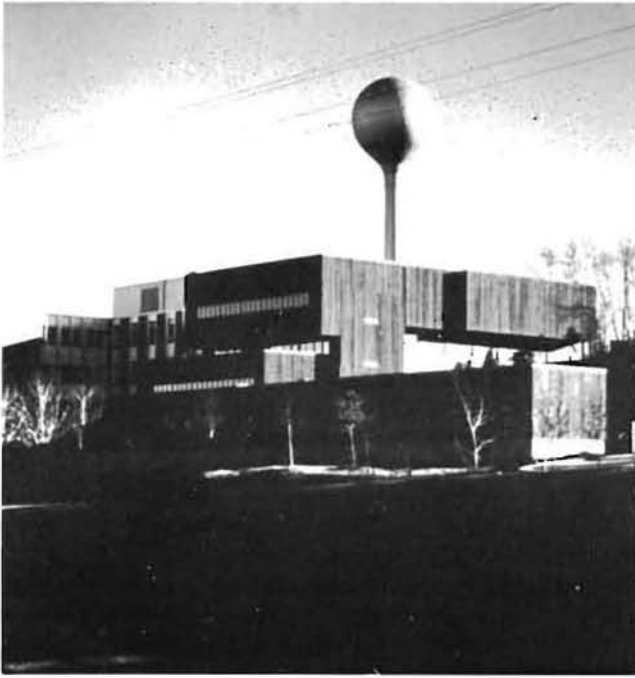
FELLOE ROUNDING MACHINE



HOLLOW AUGUR
FOR ROUND TENONS



FOR RIVETING AND SCREWING FELLOES



wood. The most important single physical property for many materials, being stiffness, is quite similar. But plastics are generally 3 to 4 times as dense as wood, a factor that favors wood. Wood has a price advantage over plastics on a weight basis and an even greater advantage on a volume basis. But the reason for using plastics is not because of physical properties nor cost of materials: Molded and extruded plastics have a lower manufacturing cost than machined wood parts.

The steel, aluminum, and plastics industries are all spending vast sums of money to develop wood substitutes. In the case of plastic materials, these efforts seem to have paid off. But efforts to date to develop steel residential building systems have been met with frustration. Wood has a great advantage because of its low cost and high strength-to-density ratio (see data table). But new products that can successfully compete with wood might be developed in future years. A large home builder in Denver is presently using steel floor and wall systems. These homes are selling for less than other homes in the area constructed with conventional wood framing.

PRESERVATIONIST POLICIES

The third factor that could give non-wood products a competitive edge is the possible adoption of state and federal policies that downgrade the timber production objective of forest management. Several preservationist groups are applying such pressure now. Long rotation ages may be required even though shorter rotations would be adequate to grow sawlog-size material. Restrictions might also be placed on clear-cutting practices. The outcome could be a shortage of raw wood materials. If wood isn't used for the frame of a home, then steel, aluminum, or plastic will be. If wood is not used for furniture, then parts will

probably be fabricated from plastics. The question that preservationists and conservationists must ask themselves is: "Would the nation's environment be better served if metals, coal, and petroleum are used as raw materials for homes rather than a renewable crop such as wood?"

STRENGTH-TO-WEIGHT RATIO

This brings us to the point where we can look at several factors that give wood an advantage over other materials. Let's consider the use of other materials for framing homes — one of the largest single uses of wood. Steel and aluminum are the two likely competitors. But as the table shows, despite aluminum's superior bending strength (twice that of wood) and stiffness (four times as great), it costs over 35 times as much as wood on a volume basis. Nevertheless, a large U.S. aluminum company is making a major effort to market an aluminum framing system for residential construction.

The situation is somewhat different with steel. It has a very high bending strength and is 15 times as stiff as wood. Much less steel on a volume basis can be used to carry the same loads supported by wood. Steel joists sometimes weigh only one-third as much as wood joists. To compete with wood from a cost standpoint, a steel structure must be made of steel studs, steel floors, and a steel roof truss system of very light weight. Because of the light weight, sound insulation presents serious technical problems. At present, the only place where steel may be as inexpensive to use is in non-load-bearing walls.

On the other hand, wood's high strength-to-weight ratio makes it possible to produce sheet materials such as plywood, fiberboard, and particleboard to cover the frame of a structure at relatively low cost. No other product on the horizon can match wood products for this application. Some competitive sheet materials do possess good sound and heat insulation properties, it should be noted, but they do not simultaneously offer the high bending and shear strength of wood products.

RENEWABLE RESOURCE

As the issue of renewable versus nonrenewable resources gains wider public awareness, forest products should assume an increasingly advantageous position. Concern for overpopulation and related environmental problems is in its infancy. It seems possible that we can solve the air and water pollution problems confronting our nation, but the more basic problem of overpopulation will be with us for some time to come. A continually increasing world population will mean an ever-increasing demand for shelter and written communication. Materials for both are largely forest products. Shelter could be made from metal and plastic. Would we accept adobe or concrete homes? Paper could be made from plastic. But these potential substitute materials are largely from nonrenewable sources. Aluminum ore is in limited supply. Various ores from which iron can be produced are plentiful,



but not inexhaustible. Despite present predictions that there is enough iron ore to last hundreds of years, we may eventually run out.

Consider our supply of petroleum and coal — the source of raw material for plastics. No one knows for certain, but it has been estimated that over half of the oil reserves in North America have been located. Some authorities estimate that the U.S. has enough oil in developed fields to last only 8 more years and enough natural gas to last just 12 more years. Some Congressmen have advocated that we should import as much oil as possible to save our reserves. Viewed from this perspective, the use of nonrenewable resources for purposes that could be fulfilled by renewable resources seems a very questionable policy.

ENERGY EXPENDITURES

Energy consumption is a major concern of many environmental groups today who are worried about the diminished supply of fossil fuels, and air and water pollution resulting from electrical power generation. Estimates have been made that it takes about 940 kilowatt hours to produce a ton of lumber, 3600 kilowatt hours for a ton of steel, and 64,000 kilowatt hours for a ton of aluminum. Not enough information is available on energy requirements to draw firm conclusions regarding the environmental impact of a major shift from wood to other materials. However, it is obvious that more power is required to produce metals than wood products. Moreover, the amount of energy used in the production of materials eventually may become a much stronger determinant of the competitive edge a product holds. The day of "cheap" power in this country may be coming to an end. A recent article in *Forbes* magazine stated that in the last 3 years, coal has nearly doubled in price. Crude oil has gone up 30 percent in the last year. Natural gas prices are expected to double in the next decade. Electric rates went up for the first time in 40 years and are expected to increase 30 percent in the next 10 years. These burgeoning costs should put large power-

consuming industries in a tough cost squeeze compared to those with lower energy requirements. It is of interest in this connection to note that only 2 percent of the cost for producing lumber represents the cost of energy required, while this energy cost is 23 percent for aluminum and 15 percent for concrete.

FUTURE OF FOREST PRODUCTS

Perhaps the most serious question facing the forest products industry is that of an adequate raw material base. The potential exists for a shortage of wood to develop in the coming decades. It could result from continued growth in world population — a simple case of consumption outstripping productive capacity. What would be more unfortunate — because it is avoidable — is a shortage resulting from public policy that dictates that forest lands should not be managed with timber production as one of the primary goals.

More likely than not, the environmental issue will eventually solidify public support for the use of wood materials over metal and plastic competitors. The fact that wood is a renewable resource, that relatively small amounts of energy are required to convert it to usable products, and that these products are recyclable or easily disposed of, rank high in the eyes of environmentalists. If these advantages gain widespread public awareness, then policy measures designed to safeguard the environment and simultaneously conserve our dwindling natural resources should insure a plentiful supply of wood materials for decades to come.

*Article as appeared in *Minnesota Science* Vol. 28, No. 2, 1972, University of Minnesota Agricultural Experiment Station, and later revised by Dr. Haygreen in March 1974.

Cost, density, and strength comparison of materials

| Material | Cost/lb.* | Cost/cu. ft.* | Typical density lb./cu. ft. | Relative bending strength (MOR)** | Relative bending stiffness (MOE)** |
|---------------------------------------|-----------|---------------|-----------------------------|-----------------------------------|------------------------------------|
| Lumber | \$.07 | \$ 2.10 | 30 | 1 | 1 |
| Wood fiber products | .10 | 6.00 | 60 | 0.4 | 0.25 |
| Steel | .13 | 62.40 | 480 | 10 | 15 |
| Aluminum | .45 | 74.20 | 165 | 2 | 4 |
| Polystyrene | .16 | 11.40 | 70 | 2 | 1 |
| Polyester | .20 | 21.00 | 105 | 6 | 1 |
| ABS (Acrylonitrile-Butadiene-Styrene) | .35 | 33.20 | 95 | 1.5 | 0.5 |

*Typical costs, fall 1971.

**Relative strength. MOR is a measure of the load-carrying capacity of a beam. Here the MOR of each material is compared to wood. MOE is a measure of the resistance of a beam to bending (stiffness). Since beam stiffness is actually a function of both MOE and beam geometry, the comparison here would be valid only between solid beams of the same size.



Forestry / Energy

Alumni Opinion



As the energy crisis shadows upon our profession as foresters it is necessary to assess the role of present forest policy. The use and conservation of energy in forest utilization practices has become an important externality in the economics of forest policy. In recreation the user has been consuming energy at increasing rates; forest industry must balance energy priorities with those of convenience and time; and changes in the utilization make-up or environmental aspects of our forests will have to be made.

Forest products may play an important role in replacing other market products which demand a greater amount of energy and depletion of resources in their production.

Has present forest management policy been consistent with the responsibility of energy conservation?

Present forest management policy which does demonstrate energy conservation does so by chance. Because it seemed that energy was in abundant supply, up until recent years, there is little energy conservation in policy or practice. This is changing rapidly now and will continue to do so.

Larry Kirkwold, 1962

At the present time most national firms, including the one at which I am employed, are fully complying with standards that more than fulfill responsibilities that pertain to energy conservation and the over-stated ecology problems.

Rod Schumacher, 1948

No. Recent pictures and literature gives one the impression that big operators are slaughtering off western forests, and the (U.S.) Forest Service and forestry schools are letting them do it. I think there is a renewed need for good forest management. I also do not think we should be exporting a slow growing crop like timber, in the form of

logs to Japan. A threat to our timber resource certainly will not help our long run energy problem.

Herbert Norman, 1944

No! Too much bureaucratic red tape.

Gerald Rustad, 1970

How will the management of our forests have to be adapted as our nation moves to resolve the growing demand for energy?

Wood production will be more important than ever. Some other uses may have to rate a lower priority. We can no longer afford the negligence of understocked, poorly managed stands nor the luxury of woodland ownership for purely recreational or aesthetic purposes.

Arthur Ferber, 1935

An important factor to consider now is the measure of product (whether it be wood, water or pleasure) which can be generated per unit of energy. Energy has not been this key a variable in the past. It is entirely possible that forest managers will now face shortages of fertilizers and will have to allocate it to those forest areas which will generate the highest return. The energy crisis will very likely encourage a high level of utilization from each acre for two reasons: The low value residuals left to rot or burned will now have a higher fiber value and it will require less energy to site prepare a clean logged area for regeneration.

Larry Kirkwold, 1962

A shortage in oil products may curtail production or increase cost of plastics and therefore put more pressure on our timber resources. There is a great need to educate the public so they understand we can have "wilderness" and timber production too. We dare not lock up our renewable resources.

Dennis Wood, 1954

We are going to have to find uses for the slash that we are now burning — this fuel could be used for something.

C. F. Shearer, 1937

I see forestry as being only peripherally involved in the short term crisis. If there is an involvement in the crisis it is in the long term. The major threat will be by those with technology able to make us self-sufficient in energy.

George E. Olson, 1940

Energy input needs for cultural and product-extracting operation should become more important criteria for evaluating the where, what and how of management alternatives.

G. H. Deitschman, 1947

Regrettably political pressure influenced by so-called "Do-gooder groups" curb good and reasonable use of forest resources. Possibly the energy crisis will relieve some of this.

Virgil O. Hogdal, 1940

I see dark days ahead for the entire wood using industry. Our trees are renewable and lumber production requires little energy to process, but the market for much lumber was a direct result of low-cost fuel which allowed our people to move to the suburbs — where single family dwellings, built mostly of wood, predominate. During the energy crisis the move to the suburbs and country will be reversed, and our people will move into central city, masonry, multi-dwelling housing.

The wasteful use of paper — because it was inexpensive — may be at an end. As the cost of fuel increases, the cost of paper products will also increase and per person consumption will decrease drastically.



Shortages of phenolic resins, caused by oil shortages, will limit the production of exterior plywood and particle-board panel products. These products will fare better than other forest products because inferior grades may be used in masonry construction.

The long drives necessary for our people to play in the forests will reduce the demand for forest recreation facilities.

So I predict there will be an era where pressure on our forests to cut quality timber will be reduced, but where thinnings and residues that can be used for supplemental energy sources may be increased. At the same time, unemployment will result from the energy scarcity.

Tying this all together: this may be an excellent opportunity for our nation to renovate our forests so they can be ready if and when new sources of energy are discovered or invented. At that time, the trend may be reversed and pressure on our forest resources will be more intensive than ever. As foresters we must prepare for that day.

Joe Chern, 1948

Use less energy consuming vehicles like horses, trail bikes, snowmobiles, feet.

Gerald Rustad, 1970

We need better utilization and more intensive forest management.

Herman Olson, 1932

Learn to ride a horse.

Ralph M. Nelson, 1922

What conflicting demands can be foreseen between various forest uses in meeting the challenge of our energy crisis?



RECREATIONISTS: We will have to convince "environmentalists" that a well-managed forest can be aesthetic and that we can't tie up an excessive amount in no cut areas, nor limit such practices as clearcutting.

WILDLIFE: Some real conflicts here and forest management must concede more acres and possible loss of maximum wood production to wildlife habitat needs.

Herman Olson, 1932

There will, in periods of shortage, be a conflict between recreational users of the forest and forest managers in terms of demand for fuel. There will be an increased need for hydro-electric power and the dams which provide this. Dams remove forest lands from timber production and recreation.

Larry Kirkwold, 1962

I can't see any conflicts yet. Trees are as basic as soil.

Gerald Rustad, 1970

More demands are going to be made for aesthetic and recreational uses.

C. F. Shearer, 1937

Whatever demands recreation makes, our forestry must take a stand consistent with proven results.

D. A. Bollinger, 1945

The "crisis" is no doubt a reflection of dwindling non-renewable resources, but to a greater extent we may currently be experiencing a world-wide shift in production/distribution policy which will completely revise the life style of entire nations — including ours.

Richard M. Huff, 1959

We will have to decide what is really necessary in our land management. Timber production, of course, is needed. One thing that must be considered, however, is our recreation resource. This is especially important in a state like Minnesota where so much of our economy is centered around recreation.

I'm sure that many have wondered if outdoor recreation is really necessary, but we are only beginning to make people understand their natural environment. If we cut off contact with this environment, we may lose all we have gained. When future policy decisions are made, recreation may very well be low on the list of priorities, but it shouldn't be.

Our biggest challenge in recreational management will be to attract people to nature without consuming excess amounts of fuel. The price of the fuel itself may help quite a bit, but alternatives to mechanized types of recreation must be presented. Maybe the trend of recreational use can be directed by adapting areas to more primitive types of recreation.

Paul W. Peterson, 1973

What potential do forest products have in reducing energy consumption in market production?

An objective of forest product research should be to improve methods for using wood in home construction with the view of minimizing energy needs for heating and heat losses. Progress in this area would also reduce needs for air conditioning in hot weather. The use of industrial and woods waste for fuel, perhaps by converting it to charcoal, could be a substitute for less plentiful fuels.

Robert W. Merz, 1935

One of the great contributions forest industries could make would be the utilization of the vast amounts of waste products both in the woods and in the mill. There always has been a potential for converting wastes into fuel.

How about clearing the huge areas of brushlands in the western forests which are now non-productive; converting the resulting product to something useful and then planting the areas to wood producing species.

Lester Henry

Wood and wood products, in my opinion, have the greatest potential for energy consumption decrease.

D. A. Bollinger, 1945

We may have to go back to steam power and/or steam-electric power at the mills based on the use of more waste, e.g. when we get a surplus of chips out here they are often used as land fill — this is not an economic use of the wood but rather a cheap way to get rid of it.

C. F. Shearer, 1937

Possibly the greatest impact forest policy may be an increase in the use for fuel, at the expense of other uses, but then this will be an economic decision formulated at a point far removed from the industry.

Richard M. Huff, 1959

What additional challenges has the energy crisis brought about for forest management?

We are going to have to develop a national land-use policy and a national forest policy for both private and publicly owned lands. We are not utilizing 50 percent of the forest land in this country for high level forest production. We need to produce all the wood and fiber that we can because the whole world is going to be our market and we need foreign exchange. Our mills are still thinking in terms of keeping a deficit in production to hold the market up while we must increasingly think in terms of producing surplus production which can be marketed abroad as well as supplying our own expanding economy.

C. F. Shearer, 1937

I firmly believe the greatest challenge to forestry and management is for knowledgeable foresters to stand on their own two feet and push for what management requires, not what forces demand.

There is a place for all of us in multi-purpose management. However pleasure groups are taking over the forester's prerogative and he is becoming a tool in the hands of minority groups bent on uni-purpose management.

D. A. Bollinger, 1945

Probably a greater realization of the responsibility a manager must be aware of when managing one of our renewable resources. For the first time representatives are realizing the importance of the resources which can be renewed. Greater pressures will be placed on managers' shoulders to perform. This should be a real stimulus to the forest management and forest industry professional managers.

Larry L. Kirkwold, 1962

Much more research and development specifically directed toward increased efficiency of wood product removal and utilization and of cultural practices for stand establishment and improved growth are major areas of challenge to innovation.

G. H. Deitschman, 1947

Harvesting systems must be made efficient so that energy needs can be minimized. Forest recreation opportunities must be increased near population centers to take care of people's needs and desires. Energy conservation measures will reduce the distances people can travel to enjoy forest recreation.

Robert W. Merz, 1935





Faculty and Staff



Richard Skok
Associate Dean



F. H. Kaufert
Dean

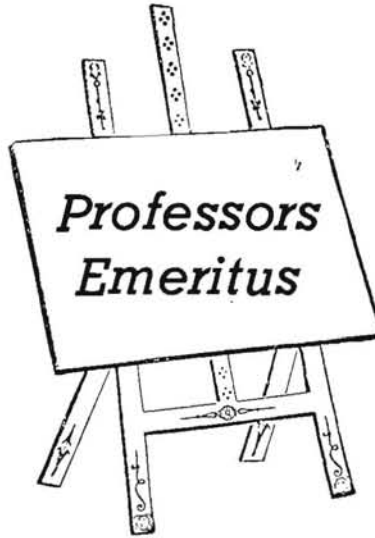


Ken Winsness
Director of
Undergraduate Programs





J. H. Allison



Randolph M. Brown

A decorative banner with the words "Forest" and "Products" in a bold, serif font. The banner is ornate, featuring floral and scrollwork patterns. A small bird is perched on the top center of the banner.

Forest Products



John G. Haygreen
Department Head



Ralph Hossfeld
Wood Chemistry



Robert D. Thompson
Marketing



Roland Gertjejansen
Pulp and Paper

Forest Resources Development



Frank D. Irving
Department Head



Alvin R. Hallgren
Itasca Director



Merle P. Meyer
Range, Remote Sensing



Douglas J. Gerrard
Statistics, Mensuration



Hans M. Gregersen
Economics



Lawrence Merriam
Recreation



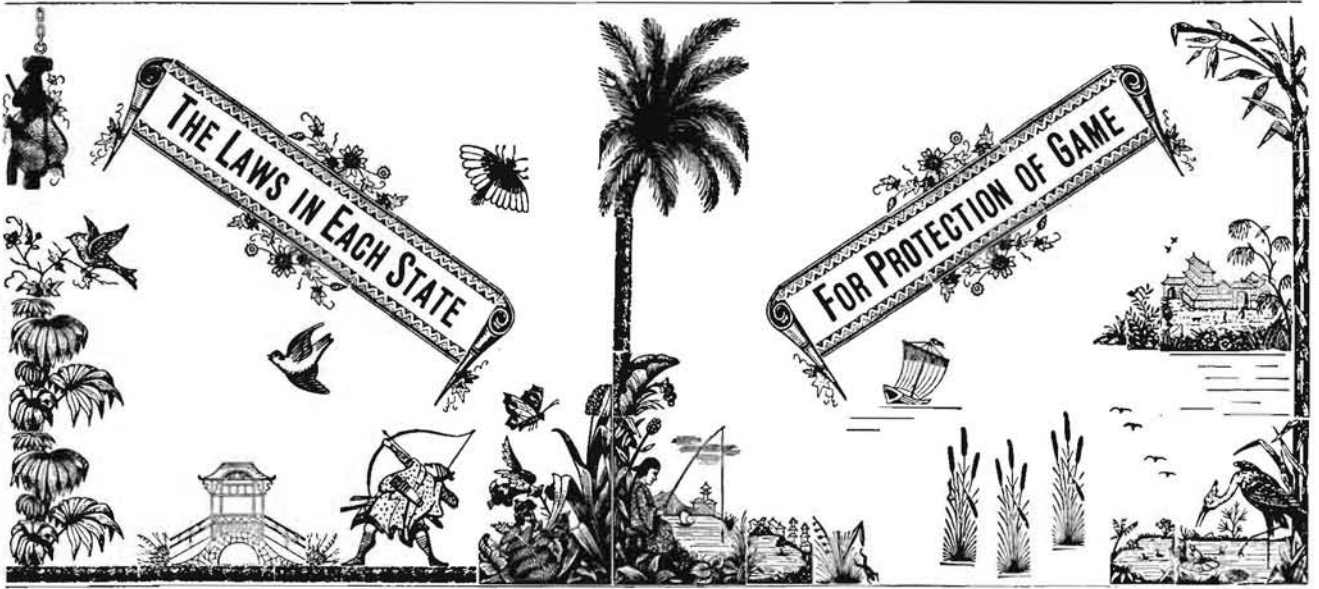
R. W. Sando
Forest Fire



Tim Knopp
Recreation



Joseph J. Ulliman
Aerial Photography



Forest Biology



E. V. Bakuzis
Ecology



Arnett Mace
Department Head



Edward I. Sucoff
Tree Physiology



Harold Scholten
Silviculture



Henry L. Hansen
Ecology, Silviculture



Carl A. Mohn
Dendrology



Art O'Hayre
Hydrology



Vilis Kurmis
Ecology Research

Related Studies



David W. French
Forest Pathology



L. W. Krefling
Wildlife Research



Herb Kulman
Forest Entomology

Extension



Bill Miles



Marvin Smith



| | |
|--|--|
| | <p><i>Last-minute photo:</i></p> <p>Jim Bowyer</p> <p>Forest Products</p> |
|--|--|

**S
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College Office



Iva Manley
Senior Executive Secretary



Seated: **Sherry Ellefson**, senior clerk-typist. Standing, from left: **Bene Brockman**, senior clerk-typist; **Valerie Habicht**, account clerk; **Dorothy Fedie**, senior clerk-typist; **Marilyn Workman**, principal secretary.

Ken's Office



Marian Schoper

Arno Bergstrom
Doreen Gerwing

Forest Prods.



From left: Karen Romson, clerk-typist; Emily Sundeen, senior secretary; Amy Conway, senior clerk-typist.

Library



Jean Albrecht
Diane Smith

Extension



Mary Ann Hellman

Gone But



Not Forgotten
Doreen Pederson



Bruce A. Brown
Cloquet Director



Classes

CLASS OF 1974



NORMAN ANSEGG "Sandbaggin' Norm" — Forest Science



JOHN BACHAR — FRD



BRUCE EUGENE BERGGREN — FRD — F-Club Christmas Tree Project '73; Foresters Day '73, '74; Student Forester — Minn. DNR, Division of Lands & Forestry — Side Lake, Minn. '73.



CHRIS DAVID BOCHE "Bookie" — I-M Sports '70-'74; Forestry Club '70-'72; Forestry Club Secretary '71, '72; I-M Sports Chairman '71-'73; North Star Game Coordinator '70-'74.



PERRY CLEMENS BOLLUM — FRD — Freshmen Board '71; Forestry Club '70-'74; Society of American Foresters '73, '74; U of M Rodeo Association '72; Minnesota Student Service Corporation '73, '74; St. Paul Board of Colleges Vice President '72, President '73, '74; "Little Red Oil Can" Award '74.



ROBERT WILLIAM BOUTAIN — FRD

KEN BRACKEE "Big Falls" — FRD



JAMES ALLEN BRASS — FRD — I-M Sports '72, '73; Forestry Club; Xi Sigma Pi '74.



LEONARD MARTIN BRAUN "Doc" — FRD.



TOM ALLEN CARLSON — FRD.



JOHN RICHARD DAVIS "John R." — FRD — Forestry Club '70-'74; Student-Faculty Board '72, '74; Co-chairman Student-Faculty Board '74; Council of College Boards '74; Institute of Agriculture Instructional Resources Center Committee '72-'74; College of Forestry Education Development Committee '74, Long Range Building and Planning Committee '74, Employment Committee '74; I-M Sports '71; Society of American Foresters '74; Forestry Club Vice-president '74; Xi Sigma Pi Speakers Bureau '72-'74; Christmas Tree Lot Salesman '72, Co-chairman '73; Forester's Day Open Coffee Hour Chairman '73, General Co-chairman '74; Forestry Club Fire Crew '73; Management Trips Planner '73; St. Paul Board of Colleges '73; Son of Paul '74; Forestry Club Scholarship '74; TA Aerial Photo Interpretation Winter '74; Smoke Chaser, Minn. DNR Carlos Avery '73, Forestry Intern, Arrowhead Regional Development Commission '73.



ELDON ARTHUR FARB "EI" — FRD — Conclave Team Captain '73; Bull of the Woods Editor '74; Sargent at Arms — Forestry Club '72-'74; Forestry Club '71-'74; Conclave Team '72; Christmas Tree Salesman '72, '73; Gopher Peavey Chief Photographer '73, '74; Foresters' Day Scholarship '74; Foresters' Day Publicity Chairman '73, Queens Chairman '74.

RONALD OMAR GOETZINGER "Ron" — FRD — Forestry Club '73; Conclave Team '72; Society of American Foresters '73.



PHILLIP DEAN GRUMSTRUP — FRD — I-M Sports '73, '74.

PHILLIP N. GUSTAFSON — FRD.



RONALD L. HACKETT "Thumper" — FRD — I-M Sports '73, '74; Forestry Club '72-'74.

JAMES ERLING HALVORSON "Helvy" — FRD — I-M Sports '73; Society of American Foresters.



LAWRENCE E. HANSON "Old Man" — FRD.

RONALD ORVILLE HAUGEN "Ron" — FRD.



DAVID F. HEINZEN — FRD — Forestry Club.

ALAN DEHN HENDRICKS — FRD — Evans Scholarship 5 Years.



RICHARD GEORGE HEROLD "Dirty Dick" — FRD — Forestry Club '70-'74, President '74; Conclave Team '71, '73; Forestry Club Scholarship '73; Bonfire Chairman '72; Foresters' Day Throne Chairman '73, General Co-chairman '74; Gopher Peavey Photographer '74; University Fire Crew '73; Student-Faculty Board '74; Search and Screening Committee for Dean, College of Forestry.



DENNIS WILLIAM HORNSETH "Horny" — FRD — I-M
Sports '72-'74; Forestry Club '72-'74.



JOHN D. JERESECK — FRD



THOMAS J. JOHN — FRD



JOHNSON, GARY M. "GARY GROUSE ..." — Program Chairman, Historian, Management Trips — Forestry Club '73; St. Paul Student Center Board of Governors '74; Treasurer — St. Paul Board of MPIRG '74; College of Forestry Curriculum Committee '74; Peavey Advertising Manager '74; 13th Horticultural Society Scholarship '74; Xi Sigma Pi '74; Student Forester Minn. DNR, Willow River Summer '73.



THOMAS J. KLABUNDE — FRD — I-M Sports; Gamma Sigma Delta.



THOMAS GEORGE KRAEMER — FRD — Forestry Club '71-'73.



ROBERT LAMBERT



PAMELA KAYE LARSON — FRD.



DAVID GARY MARLOW "Dave" — FRD — I-M Sports.



JAMES RICHARD MARSHALL "Jim" — Forest Science — I-M Sports '71-'74; Navigators '72; Intersivity Christian Fellowship '74; Carolind Scholarship — Forest Pathology '73; Xi Sigma Pi '74; Gamma Sigma Delta '74.



LOWELL JAMES MARSOLEK — FRD — Forestry Club '73; Forester Trainee Minn. DNR, Effie, Minn. Summer '73.



JEFFRY GORDON MARTIN — FRD — Graduation Ceremonies Committee; Agriculture Honor Society — Gamma Sigma Delta; Society of American Foresters.



DAVID PAUL MATHWEG — FRD — "Lost person" team, Cloquet.



STEVEN THOMAS MATTISON "Gunner", "Ozark" — FRD
— Xi Sigma Pi; I-M Sports; Forestry Club; Varsity Broadjumping; "Most Typical Forester" by National Brewers Association.



RODERICK L. McCULLOUGH — FRD



WAYNE ANTHONY MILLER — FRD — Xi Sigma Pi; Forestry Club; I-M Sports Manager; Society of American Foresters.

LAWRENCE DEAN NELSON "Larry" — FRD.



COLE A. OKUSANYA — FRD — Forestry Club '72-'74; Caleb Dorr Scholarship '73, '74; E.A. Everett Memorial Scholarship '72; National Society of Colonial James Scholarship; University Bookstore Scholarship; Foreign Student Opportunity Scholarship.



STEVE OLLILA "Ollie" — FRD



PAULA JEAN PATERSON — FRD.



CLINTON EDWARD PEARSON "EDDIE" — FRD — Xi
Sigma Pi; Society of American Foresters.



DENNIS WILLIAM REGER — FRD — Honorary Scholarship.



THOMAS EDWARD ROMAINE "TOM" — FRD.



ROBERT ALLEN SAWINSKI "POLOCK" — FRD — Forestry Club; Society of American Foresters; I-M Sports.





ROBERT WILLIAM SCHEIERL "BOB" — FRD — Caleb Dorr Scholarship; E.M. Freeman Scholarship; Xi Sigma Pi; Gamma Sigma Delta.



LEE D. SCHMUNK — FRD



ROBERT BRUCE SCHOENBERG "SCHOENY" — FRD - Forestry Club '73, '74; Foresters' Day Treasurer '73; Conclave Team '74.



THOMAS EUGENE SCHOTT — FRD — Gamma Sigma Delta '74; Community Resources Volunteer '73; Society of American Foresters '73, '74.



STEPHEN JOHN SIMMER — FRD — Society of American Foresters '74.



DOUGLAS RICHARD SKINNER — FRD - Forestry Club '71-'73; I-M Sports '72, '73; Fort Valley State College Exchange Program '72; Summer Helper, Minn. DNR, Big Falls '72; Timber Cruiser for Blandin Paper Co., Grand Rapids, Minn.



JOHN CARL STEGMEIR — FRD — Carolind Scholarship; Xi Sigma Pi '74; Gamma Sigma Delta; Forestry Club.



DAVID J. SUNDMARK — FRD

MARK RICHARD SUNDSTROM — FRD.



VICTOR CHARLES SWARTZ "Vic" — FRD.



TERRY JO THOMPSON "SCHWEETIE" — Forest Science — Forestry Club '71-'74; Caleb Dorr Scholarship '71; Gopher Peavey Typist '71, '72, Assistant Editor '73; Forestry Club Historian '72, Secretary '73, '74; St. Paul Board of Colleges '72; Student-Faculty Board '72, '73; Foresters' Day Breakfast Chairman '72, Breakfast Co-chairman '73; Foresters' Day Scholarship '73; Xi Sigma Pi '73, Xi Sigma Pi Associate Forester '74; Conclave Team '73, '74; St. Paul Chapter, Faculty Women's Club Scholarship '74; Institute of Agriculture Honors Committee '74; Forestry Aid, Chippewa Lake YCC Camp, Chequamegon National Forest, Wis., Summer '71; Forestry Aid, Umpqua National Forest, Oregon, Summer '73; Undergrad. Research Assistant, Electron Microscopy Lab, Dept. of Plant Pathology, U of M, '72-'74.



JAMES JEROME VARRO — FRD — Forestry Club '70-'74; Student-Faculty Board '73, '74; Curriculum Committee '72-'74; Cloquet Committee '73, '74; Conclave Team '73, '74; Foresters' Day Committee Chairman '74; Forestry Club Sargeant at Arms '73, Treasurer '73, '74; St. Paul Board of Colleges '73, '74; Gopher Peavey Staff '73; Chapman Memorial Scholarship '71; Xi Sigma Pi '74; Caleb Dorr Award '71; Forestry Club Scholarship '74; Weyerhaeuser Intern, Summer '73.





JOHN WALDO — FRD



LEONARD WASSER "Sam" — FRD



RALPH PHILIP WINKLER — FRD — Forestry Club '70-'74; Xi Sigma Pi; Xi Sigma Pi Speaker's Bureau; Alumni Scholarship; Minnesota State Scholarship; A. Dale Chapman Forestry Scholarship.



WILLIAM CHARLES WOODRUFF "WILD BILL" — Photographer — Gopher Peavey '74; '74; Xi Sigma Pi '73, Officer Xi Sigma Pi '74; Gamma Sigma Delta '74; Forestry Club '73 Intramural Sports '73; '74; Federated Garden Clubs of Minnesota Scholarship '73.



DAVID ALLEN YARGER — FRD.



LES ZILMER — FRD

Lost in the Brush

DAVID WALTER ASLESEN — Forest Science — University YMCA '73, '74; Waksurs '72, '73; Forestry Club '72-'74; Caleb Dorr Scholarship '73.

RONALD ROBERT CHRISTENSEN — Forest Science — Forestry Curriculum Comm. '73, '74; Forestry Student Scholastic Standing Comm. '73, '74; Xi Sigma Pi '73; Gama Sigma Delta '74; Minnesota Memorial Scholarship '73; Minnesota Gift Scholarship '74; Forestry Club '73; Sec. - Fiscal Agen — Xi Sigma Pi '74.

JOSEPH RAY GANS "Joe" — Forest Products — Forest Products Club; Xi Sigma Pi.

CLARANCE W. GILDART "Pete" — RRM.

JOHN HOWARD GROVE — FRD — U of M Marching Band; Senator to MSA from College of Forestry; Sigma Chi.

LARRY CURTIS HOVLAND — FRD.

LYNDA ANN LAWSON "Sue" — FRD.

DAN JOSEPH McCORMICK — FRD — Forestry Club '73, '74; Foresters' Day Open Coffee Hour Chairman '74, Pole Climb Event Chairman '74.

MICHAEL STEVEN MEHLE — Forest Science — Robert L. Goudy Memorial Scholarship.

PATRICIA MAE KROMHOUT ORUD — FRD.

MICHAEL L. SLINDE — FRD — Forestry Club '71, '72; Society of American Foresters.

PAUL DOUGLAS THOMSEN — Forest Products — Pulp and Paper Scholarship; I-M Sports 5 Years.

RAY DONALD VOGTMAN — FRD — Society of American Foresters; Forestry Club.

Robert A. Anderson
 Philip J. Bogen
 Richard M. Bangert
 Thomas G. Baumann
 William A. Befort
 Ardon L. Belcher
 Scott T. Berglund
 Daryl C. Bostrom
 Kristine L. Burton
 Birginia P. Busch
 Jack M. Carlson
 Scott J. Carstrom
 Robert A. Corneillier
 George L. Cornell
 Thomas J. Cowell
 Allan R. Dreher
 Wayne L. Eckberg
 Peter R. Engh
 Judith A. Erickson
 Ronald O. Erickson
 James J. Fahnhorst
 Gregory H. Fall
 James F. Fischer
 James S. Focht
 Douglas H. Gilbertson
 Gary R. Goltz
 Dennis L. Hanson
 James G. Hermann
 Clark R. Holden
 Larry C. Hovaldn
 Philip C. Hudler
 Stephen P. Hurley
 Thomas L. Jahnke
 Neal J. Jenewein
 Gary M. Johnson
 Brian R. Jones

Daniel F. Jopp
 Susan K. Kleinhenz
 Charles E. Koenig
 Carroll M. Korb
 Alan A. Korpi
 John W. Kraske
 Thomas E. Kuftrin
 David L. Larson
 Joseph A. LeFebvre
 Kenneth E. Lestrud
 Carl F. Lindholm
 Lee E. Lindholm
 Robert E. Lindholm
 Craig R. Lindquist
 Joseph M. Linn
 Steven R. Litka
 Norton W. Lunk, Jr.
 Howard E. Matlack
 Stephen J. Matson
 Elmar H. Mazurs
 Robert Meisch
 Daniel G. Meyer
 Richard A. Mickelson
 Craig R. Mitchell
 Robert H. Nelson
 Kenneth V. Oehlke
 Leslie J. Ollila
 Jeffrey T. Olson
 Patricia Mae Kromhout Orud
 Jeff P. Osmundson
 Wayne A. Perreault
 Mark R. Peterson
 Mark S. Peterson
 Joseph A. Polunc
 Charles A. Ricker
 Frank R. Riggle

Harry R. Roberts
 Lew T. Ruona
 Robin P. Ruona
 Neil D. Saltzman
 Margaret K. Sandgren
 Richard W. Scanlon
 Robert Y. Scarborough
 Gail S. Schaeffer
 Steven A. Schwartz
 John T. Shannon
 Sheldon K. Smith
 Thomas M. Smith
 Kenneth J. Stager
 Franklin E. Star
 Derrick W. Stolen
 Steven D. Strand
 Don R. Streiff
 Charles R. Strike
 Frank J. Sutherland
 Ronald C. Svatos
 Gary H. Swanson
 James E. Toepel
 Barry J. Turner
 Gregogy J. Ustruck
 Charles S. Veiman
 John E. Vierow
 John V. Waverek
 Darryl J. Weakley
 Ralph A. Wells
 Stanely P. Wendland
 Jay R. West
 Stewart R. Wilson
 J. Harry Wirz
 William C. Woodruff
 Gregory W. Zebro

Graduate Students

| Name | Degree Objective | Area of Specialization | Adviser |
|----------------------------------|------------------|------------------------|----------|
| FOREST BIOLOGY DEPARTMENT | | | |
| Axelrod, Fred | M.S.-B | Ecology | Hansen |
| Borovsky, John | M.S.- | Ecology | Brown |
| Clausen, John | M.S.-B | Hydrology | Mace |
| Dhir, N.K. | Ph.D. | Genetics | Mohn |
| Drew, Larry | Ph.D. | Ecology | Bakuzis |
| Eychaner, James H. | M.S.-B | Hydrology | Mace |
| Fedkenheuer, Alvin | Ph.D. | Ecology | Hansen |
| Hargrave, Bryan C. | M.S. | Silviculture | Sucoff |
| Hong, Sung Gak | Ph.D. | Physiology | Sucoff |
| Heath, Daniel | M.S. | Biology | Hansen |
| Hyun, Jung Oh | M.S. | Genetics | Mohn |
| Johnson, Robert D. | M.S. | Silvics | Kurmis |
| Kork, George | M.S. | Biology | Scholten |
| Lerch, Eugene | M.S.-B | Ecology | Brown |
| Majeski, Michael S. | M.S.-B | Hydrology | Mace |

| | | | |
|--------------------|--------|-----------|--------|
| Minor, John M. | M.S. | Genetics | Mohn |
| O'Hayre, Arthur | Ph.D. | Hydrology | Mace |
| Patterson, Wm. | Ph.D. | Ecology | Hansen |
| Potyondy, John P. | M.S.-B | Hydrology | Mace |
| Rholl, Vernon | M.S.-B | Res. Dev. | Irving |
| Reick, Daniel E. | M.S. | Ecology | Hansen |
| Stellrecht, Jon W. | M.S. | Genetics | Mohn |
| Tauer, Charles | Ph.D. | Genetics | Mohn |
| Wangsness, David | M.S. | Hydrology | Mace |
| Wendland, Stanley | M.F. | Hydrology | Sucoff |
| Williams, Tom | Ph.D. | Hydrology | Sucoff |

PH.D. CANDIDATES REGISTERED BUT NOT IN RESIDENCE

| | | | |
|-----------------|--|--|--------|
| Packee, Edw. C. | | | Hansen |
|-----------------|--|--|--------|

FOREST PRODUCTS DEPARTMENT

| | | | |
|---------------------|--------|--------------------|--------------|
| Boehner, Wm. | Ph.D. | For. Products | Gertjejansen |
| Coto, Zahriel | M.S. | Science & Tech. | Haygreen |
| Carlson, Fred | M.S. | For. Products | Gertjejansen |
| Dong, Chung-Ching | M.S.-B | Wood Utiliz. | Hossfeld |
| Hoffman, Michael | M.S.-A | Pulp & Paper Spec. | Hossfeld |
| Ilter, Ergun | M.S.-B | For. Products | Thompson |
| Johnson, Arvid | M.S.-A | For. Products | Haygreen |
| Jusoh, Mohd Z. | M.S. | For. Products | Hossfeld |
| Guyer, Vernon | Ph.D. | For. Products | Hossfeld |
| Lindquist, Craig R. | M.S. | For. Products | Hossfeld |
| Niazi, Abdul L.K. | M.S. | Wood Utiliz. | Gertjejansen |
| Neisse, Bruce | M.S. | For. Prod. | Gertjejansen |
| Sawicki, Robert | M.S.-B | For. Products | Haygreen |
| Widarmana, Sadan | Ph.D. | For. Products | Haygreen |
| Yang, Kuo-Ning | M.F. | For. Products | Haygreen |

PH.D. CANDIDATES REGISTERED BUT NOT IN RESIDENCE

| | | | |
|----------------------|--|--|--------------|
| Piiparinen, Lauri L. | | | Gertjejansen |
| Stumbo, Donald A. | | | Skok |
| Turkia, Kaleva | | | Haygreen |

FOREST RESOURCES DEV.

| | | | |
|------------------------|--------|----------------|-----------------|
| Chen, Chung-Muh | Ph.Dm | Mgt.-Econ. | Gerrard |
| Christensen, Ronald | M.S. | Mgt. | Irving |
| Contreras, Arnaldo | Ph.D. | For. Econ. | Gregersen |
| Dennee, Robert L. | M.F. | Mgt.-Adm. | Skok |
| Edwards, James C. | M.S. | Measurements | Gerrard |
| Fuhs, Jeffrey | M.S.-B | For. Econ. | Skok |
| Gerbig, Bruce H. | M.S.-B | Remote Sensing | Meyer |
| Guell, Guillermo | Ph.D. | For. Econ. | Gregersen |
| Hoffman, Joseph | Ph.D. | Outdoor Rec. | Merriam |
| Houghtaling, Thomas W. | M.S. | Econ. & Rec. | Gregersen |
| Huang, Ching-Tiao | M.S.-B | For. Rec. | Merriam-Knopp |
| Kirk, George C. | M.F. | For. Mgt. | Irving-Hallgren |
| Loesch, Michael | M.S.-B | For. Rec. | Knopp |
| Massey, Joseph | | | |
| Mills, Allan | Ph.D. | For. Rec. | Merriam |
| Moreno, Manuel | Ph.D. | For. Econ. | Gregersen |
| Rath, Michael | M.F. | For. Mgt. | Hallgren |
| Rubinstein, Alberto | Ph.D. | For. Econ. | Gregersen |
| Sando, Rodney | Ph.D. | For. Mgt. | Irving |
| Sheppard, Theordore R. | M.F. | Recreation | Merriam |
| Smith, Charles | M.S.-B | Recreation | Merriam |
| Snyder, David | M.S.-B | For. Mgt. | Irving |
| Stiernan, Robert | M.S.-B | For. Mgt. | Skok |
| Sumitro, Achmad | Ph.D. | For. Econ. | Skok |

PH.D. CANDIDATES REGISTERED BUT NOT IN RESIDENCE

| | | | |
|----------------|--|--|-----------|
| Books, Dave | | | Gregersen |
| Brakel, Wm. | | | Skok |
| Lothner, David | | | Skok |
| Latham, Robert | | | Gregersen |

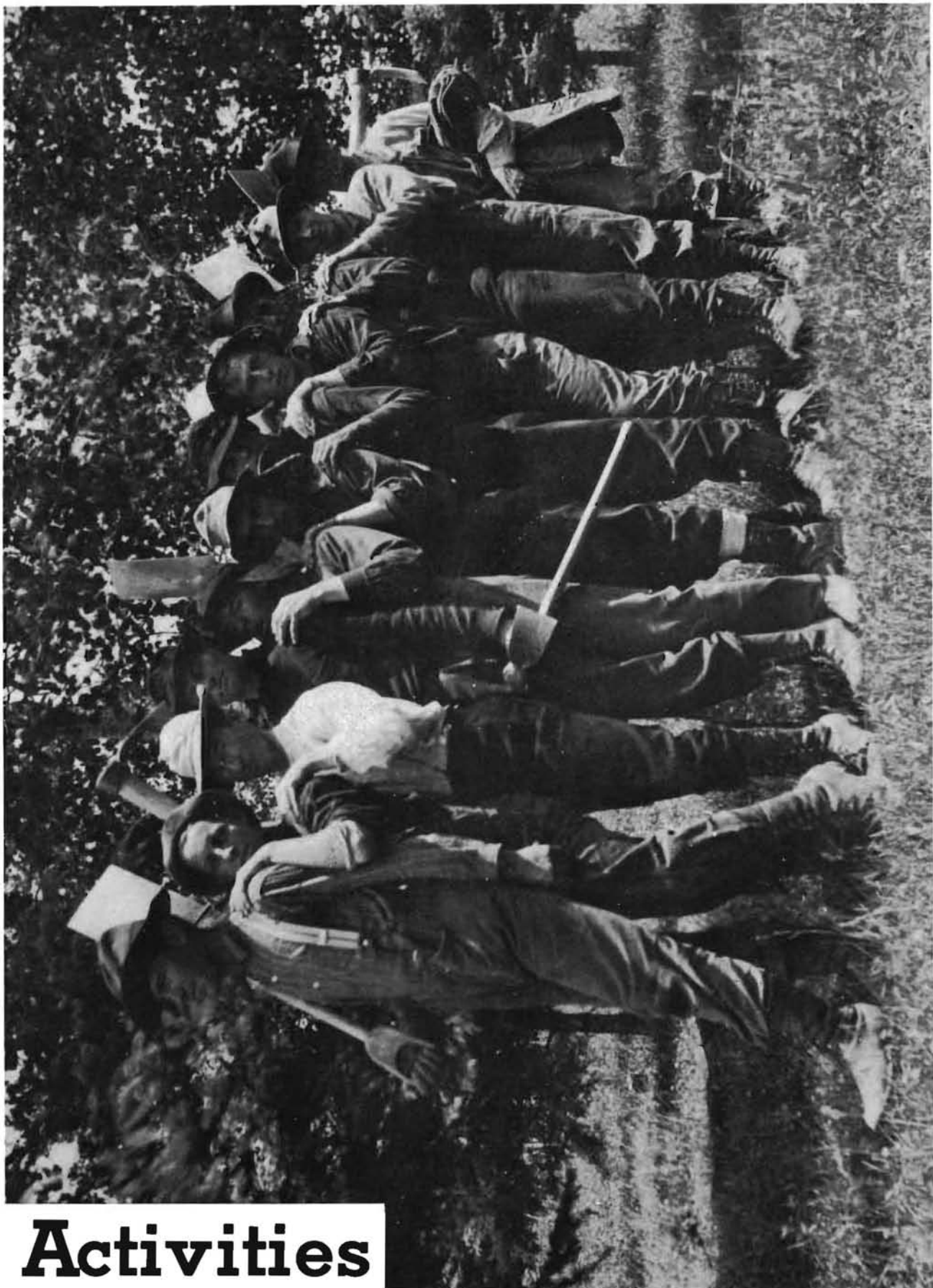
Juniors



Left to Right — Row 1: Tom Kroll, Steve Nelson, Leo Stans, Chuck Cornelius, Steven Lane, Larry Gillham, Ronald Tharberg, Scott Thomas, Gerald Thoreson, Jim Myers, Robert Larson, Dan Studer; Ro 2: Bob Tennant, Gordon Cox, Richard Strauss, Gary Hushagen, Bob Boyer, Ed Olsen, Charles Brun, C. Mellin; Row 3: Dale E. Krueger, John Saxhaug, Roger Jensen, Jim Billman, Howard Matlack, T. J. Weber, Steve Cook, Lew Castle, John Heineman, Bob Zimmerman, Dave Svien, Roy Josephson, Robert Christopherson.



Left to Right — Row 1: Mark Waterman, Steve Predmore, Howard Mooney, Charlie Rossley, Cory Kruckenber, Wan Mansor Wan Sabri, Charley Thompson, Mark Stennes, James Haertel, Roger Nelson; Row 2: Charles Strike, Jerome Bird, Charles Evenson, Steve Kunde, Jeff Stewart, Jeff Stewart, Eric Jokela, Mike Gillan, Mark Rovelstad; Row 3: George Lokken, Mike Ralston, Bob Focht, Jim Buckley, Roger Rutt, Stanley Klekotka, Jim Abell, Mike Connor, James Allen, Les Miller.



Activities

SUMMER JOBS



Weyerhaeuser Internship

Jim Varro, '74

After the much dreaded spring quarter finals, I was finally off to Cosmopolis, Washington, where I was fortunate enough to obtain a Summer Forestry Internship with the Weyerhaeuser Company.

This internship has been organized by Weyerhaeuser to provide students professional work experience in several departments or disciplines. My time was diversified; one month in logging, one in raw materials and one month in forestry.

On the job, in raw materials, I learned through firsthand experience sealing techniques, transportation of logs, exporting fundamentals, and even worked in a sawmill for three days. In logging, as in the other departments, I worked alongside men who were doing the same work as careers. Here I set chokers, chased and bucked logs and then skidded them. The forestry department provided the best experience in helicopter logging, timber inventory, regeneration, prescribed burning, precommercial thinning, spraying herbicides and a variety of other work. With a forestry background everything came easy in this department and college education began dropping things into place.

Leisure time provided freshwater and ocean fishing for King Salmon, drinking beer on Japanese ships, touring Washington and Oregon, opportunities to mention a few.

Another purpose of the internship, beside aiding the student, is to provide the company with individuals from whom to choose career foresters. By the summer's end, Weyerhaeuser left me the impression of being not just a huge corporation, but a group of people working together to meet a common goal. The summer closed with a banquet and a two-day tour of Weyerhaeuser's research facilities. At the dinner, we students had the opportunity to meet and discuss forestry with top executives of the company. The evening and the summer impressed me that Weyerhaeuser is one of the top organizations in the country today, using sound forestry practices, in an attempt to make their own future.

A Forestry Job in Northern Minnesota; or; Every Day is a Vacation?

Dan McCormick, '74

After recovering from the initial shock of receiving the opportunity to work as a student forester in northern Minnesota, I proceeded directly to a meeting with Dr. A. R. Hallgren. It was through Dr. Hallgren that I acquired this job, to establish my summer residence.

Of four choices, I decided on Washkish, Minnesota, located in the Blackduck area. Tom Baumann, a fellow forester and true blue companion, was also fortunate in getting a student forester job in this area. And so it was that Tom and I were to be in Blackduck, ready for work at 8:00, Monday, June 18th.

On Sunday evening we reported to the home of Blackduck area supervisor, Joseph J. Mockford. Mockford showed us where to spend the night but not before he gave us a brief presentation on the intensive management and multiple use programs employed in his backyard.

The next morning Tom proceeded to Kelliher, where he had been assigned. I remained in Blackduck to slave over the timber drain records that had been piling up for months since Blackduck's Assistant forester had retired.

After two weeks of brain-racking and nightmare inducing paperwork, it was decided at the Regional Headquarters in Bemidji that since I was being paid to do timber inventory, I should be doing some, much to my relief.

Monday morning of my third week as a forester I was transferred to Northome and assigned to work under Timothy Donovan, a 1964 graduate of the

University of Minnesota. And so finally I started to get an inside view of what a forester actually does when he is not pushing a pencil.

My job of timber inventory consisted of gathering pertinent data on forest stands for future reference of stand utilization. The forest around Northome consisted primarily of homogenous stands of aspen and tangled swamps of spruce and cedar. These forest types made for some of the roughest overland travel I have ever encountered and I soon discovered that a person's expertise with a compass could make the difference between eating supper at home or spending the night trying to reap the fruits of the forest.

The high point of any timber cruise occurred when the forester and I would 'chance upon' a cut over spruce swamp. Many of these harbored plump blueberries, which in some cases, were even thicker than mosquitoes. It was at places such as these that we could sometimes be found 'temporarily detained'.

Besides timber cruising, my job at Northome introduced me to many of the major responsibilities of a state forester such as cruising and marking timber, completing timber sales, scaling, and of course going to coffee.

Most of my weekends were spent fishing with Tom and the Forest Guard at Northome, David Hauenhorst, on any of the many lakes in the area. Though our luck was sporadic, we seldom failed to bring home our limits of bottle bass (the fun is in the gutting). There were also many community events to take in around Northome such as the First Annual Kelliher Rice Festival or the 4th of July festivities at Bemidji.

My last night at Northome was spent at the well-known and nationally famous Northome Volunteer Fireman's Ball.

All in all, my experience at Northome and Blackduck was interesting and educational, and I would like to thank all those involved in the summer job program for making it all possible.



How Not To See Northern Minnesota or: Three Months in a Volkswagon

John R. Davis, '74

This past summer I had the opportunity to work as a forestry intern with the Arrowhead Regional Development Commission (ARDC) in Duluth. It was not a job which most forestry students would consider typical.

My job was to determine the timber drain and status of management practices in the seven-county Arrowhead region and make a written report on my findings.

The project involved almost constant travel to such places as International Falls, Bemidji, Isabella, Grand Rapids and Aitkin. All told, the project involved 31 companies, seven county land departments, the Bureau of Indian Affairs, the Bureau of Land Management as well as the Division of Lands and Forestry for Minnesota.

Over one half of the summer was spent traveling in a Volkswagen throughout the region visiting these various companies and agencies. During this time I had a chance to visit with several classmates (Len Brawn, Dave Heinzen, Ginny Busch) and several Minnesota graduates: Bill Kauth '60, Daryl Luaber '60, Dick Schneider '58, Lanson Hamilton '53, George Amidon '52, Gary Bergquist '71, Ed Bullman '52, and Frank Usersik '40.

The summer was topped off by seeing Joe Wood '73, working for Diamond International in Cloquet and Les Darling '67 working in the water quality section of the ARDC.



All in all it was a great summer. I learned the true size of forestry and the forest products industry in northern Minnesota. It is really unfortunate that other students don't have the opportunity to do the same thing.

Summer Forestry in Minnesota

Lee Schmunk, '74

Approaching the final days of spring quarter last year, I found a note in my P. O. box saying that Dr. Hallgren wanted to see me. I promptly went to see him, as I figured that this may be a chance for a job. Dr. Hallgren informed me that I could have a job with the Minnesota Forest Service at Roy Lake. Now my first question was where the hell is Roy Lake. So we consulted a map and found that Roy Lake is about 35 miles east of Mohamen. So I decided



to take the job since Roy Lake was only 60 miles from Bemidji, my home town.

I started work on June 18th, reporting to the Bemidji Ranger station where the area headquarters are located. I filled in the necessary forms to make the job legally mine and so the government would take their fair share back in taxes. I was at the same time informed of the rules and regulations of the forest service.

I was then sent to Roy Lake. I managed to arrive there just in time to make the afternoon coffee break.

My first assignment was to clean up a boat landing where the local boys had burned down an outhouse. It takes three years of college to properly clean up a burned down outhouse?

I was to stay at Roy Lake for about five weeks until I moved to the Itasca District for forest inventory.

While I was at Roy Lake I found, to my sorrow, that the forester's main equipment is a bottle of Cutter's insect repellent.

There was a small area of land that still had to be inventoried before the management plan could be completed. The reason why this land was still left when I arrived was that it was 90 percent swamp.

The high point of life at Roy Lake was when the Forest Guard's daughter got married. The whole staff and assorted other people from the area went to the Bageley Legion Club and tied one on. The

Forest Guard called in sick the next morning. I wish I could have.

After that I moved to Itasca to begin forest inventory. I was to work with Elmar Mazur and district ranger Vern Miller. Elmar and I were given a pickup, clipboard and compass and told to take inventory.

The rest of the summer continued along these lines except for brief periods of rest when it rained. During these times we did paper work or found out that beavers were mean little animals. Poking a stick in a culvert in waist deep water, trying to free a clogged culvert, is not my idea of an outstanding experience.

For a while we got rid of our pickup for an old army jeep, but student Tom Baumann from the Guthrie district came and took our jeep for his own greedy purposes.

The high point of the summer at Itasca was when the helicopter came to do release spraying on pine plantations. There it was . . . High excitement. Life with the eagles . . . I got to help cut landing pads and fill up the helicopter with herbicide.

After the helicopter left, it was back to forest inventory. Now forest inventory is fun for the first week or two but once you have been in the swamp or seven foot stands of hazel the thrill wears off very quickly. Of course it was interesting at times, the most enjoyable times being when the weather turned cold and killed off the bugs. I think I accomplished more in one day then, than I had when the weather was hot.

I would recommend a job in the Minnesota forest service. It gives a person a chance to see what forestry is really all about and see the ideas in a classroom used in the field. I would like to thank the Minnesota Forest Service for the chance they gave me last summer to work in forestry.



Cloquet: Boreal Playground

'Rotten' Ralph Greiling, '73

The quarter began as can be expected; an assemblage of partakers in the nectars of the gods at the wateringhole closest to campus. Curt's proved to be somewhat dull and uninteresting, so we moved onward and upward. Clair's, the Northern Hotel and even the Camp Eight Stand did not satisfy us. Being the straight and true foresters that we were, we did everything one better. We got a refrigerator and put it in the basement of our cabin and learned how to fend for ourselves. The walls were adorned with pictures of fellow human beings, extra trash cans were pulled up to the doors to facilitate our fastidious cleaning habits and ice was always kept on hand in case of emergency needs.

Concern with classes was quickly disposed of. Those willing to work hard were gently reminded that 95% of the class would be graduating on 2 June '73, anyway. Some of us took classes so lightly, in fact, that we viewed it as a honeymoon (Denny Bone, please disregard).

Our first class, aerial photos and plot mapping, was easier than we had hoped for. Snow depth was less than five inches and the weather was usually in our favor. Some guys got so good at plot location that when they couldn't find the tree stand types they were looking for, they wound up on private property, across the road and in a different section. Another interesting class was Dr. Gerrard's Forest Field Measurements. In fact, one exercise, that of measuring tree heights, intrigued some students (Cornell, Naas & Greiling) so much that they went out and found many trees *already down* to measure their *former* heights. One large pine was very interesting to measure. Its *former* function was that of a witness tree on the East Boundary Road. Its *former* height was estimated at 89.5 ft. DBH was very difficult to determine since the pieces from that part of the stem were scattered all over 100 square ft. (The Butcher strikes again!!)



Think this will replace that bearing tree?



I'm not as smart as I look . . .

Our class in recreation proved both fascinating and rewarding (it was held on April 1st, too). Among our several projects, we were asked to propose ideas for use of an entire section of the Cloquet Forest. Rick Olson and Jim Rupert hit upon an outstanding idea for Section 3. They would bulldoze the entire 640 acres and convert it into a new lake, naming it, appropriately enough, "Lake 32". They also estimated that a mere 39.56 million yards of earth would be removed (enough to fill 2½ Panama Canals!!).

Dr. Mace's Environmental Impact Statement and Forest Management Plan took the cake. It was very challenging and difficult, to say nothing of time-consuming. Many of us spent upwards of 50 hrs. on it that week. It is alleged, however, that the 1973 Peavey editor was otherwise busy and rattled his off in just 22 minutes while sipping tall cool ones in the sauna.

The class that most inspired us soon-to-be-graduates, was Gordy Gullion's wildlife class. Listening to woodcocks calling at 8:30 p.m. was about as interesting as hawking used caskets. But that wasn't enough so we had to conduct grouse surveys during the daylight hours. And in Section 32!! There is no damned grouse alive that would be stupid enough to venture into the aligator-infested swamps of 32, but still we had to go out and count them. On one hot Friday morning, only eighteen students of 43 showed up for class. It seems the others were either hungover or were already home for the weekend. The prof, Dr. Marshall, showed special favor to these and let them "earn" their normal class grade. However, by noon, eleven more had slipped away and the remaining seven were "awarded" the next higher grade above that that they had earned in class. Everyone was very pleased with this, right Freddie??

FALL CLOQUET



Tom Schott and Tom Romaine, '74

1. Courses

FRD 5-202

Forest Inventory, Photographic Interpretation

A novel approach to acquainting students with the topography of the Cloquet Forestry Center and, assuredly, the reason why rubber boots were on the equipment list. Students learned "real world" applications of Fudd's Laws of Relativity. One important discovery made in this course was that fingers can be used for more than picking one's nose.

FRD 5-234 Forest Protection

In the fire portion of this course students became familiarized with the man vs. machine controversy in forestry and also proved conclusively that wet fuels will not burn.

The pathology section taught us to identify various jack pine and aspen diseases and at the same time introduced us to the fine art of rediscovering lost plot centers.

FRD 5-210 Multiple Use

Recreation entailed formulating a plan for the development of the Camp Eight Stand using the spend-it-or-lose-it approach. Plans ranged from no plan at all, to nature trails, to complete utilization of abundant on-site resources as a beer can recycling center.

In engineering we were shown various Cloquet Forestry Center landmarks such as the Naas-Greiling Memorial Stump and the Troubled Footbridge Over Waters.



Dean Kaufert came to the center and gave a rousing seminar on "The Care and Utilization of Pre-packaged Post Holes." This followed a morning of boiling some posts in oil and pushing others over in the Post Plantation.

Hydrology was concerned largely with evaluating the impact of a student thinning operation on water quality in the St. Louis River. Our findings show that there is no connection between our thinning and the peculiar odor of the river below the city of Cloquet.

At 1800 hours on 24 October 1973 the first contingent left on their assigned Management mission. At 0800 hours the bulk of the garrison moved from the barracks to their respective destinations. Full verbal and written reports were delivered to the C.O. on 14 and 15 November 1973. A good time was had by all.



FW 3-167

Techniques of Forest Wildlife Management

"... GIGO; Garbage In, Garbage Out," Dr. Marshall said as he introduced the course.

FBio 5-101 Field Silviculture

Invaluable experience in plot taking was gained in this course. A small part of the experience held by Zig Zasada and Sig Dahlgaard was left with this fall's Cloquet students who felt that this was the most worthwhile portion of the session.



II EXTRA CURRICULAR ACTIVITIES



*Red light
of the
North.*

A. New Developments

Tom John, Cloquet Diner's Club President, got a new outlook on the forest from his involuntary perch in a tree. We recommend, however, that in the future this be done only in the presence of personnel trained in aerial rescue techniques.

Greg Ustruck and Bob Nelson pioneered moon-light logging; a sure method of reducing the number of days spent in the woods and fingers on one's hand.

The residents of Cabin 46 refined the exterior of their cabin by an interesting placement of Ray Vogtman's bed. Ray couldn't adjust to being on top of it all and ruined the graceful symmetry of this design by moving his bed off the roof and back inside.



An un-policy of alcohol consumption was drawn up this fall. Similar to the Three Monkey axiom, the guiding dictum was, "What the administration didn't want to know, wouldn't hurt us."



Boy those nights at Curtis's are really rough!

B. Leisure Pastimes

The best of modern dance and anatomical studies were observed in the nearby cultural mecca of Superior, Wisconsin. Driven by their insatiable lust for the finer things in life many students would even pass up supper so as not to miss even one of these "seminars".

The Fear of the Lord was instilled into many otherwise fearless football players by Leonard Wasser this fall. The ruts, holes and ditches in the logging demonstration area also did their part.



He guys! Leonard DID get this ball from the Lord!

Hunting was enjoyed by many this fall. Duck, grouse, snowshoe rabbit and deer were chased across the length and breadth of Carlton County by the skillful foresters. A couple of rats (the four-legged variety) were taken during a hunting excursion into Superior.

At long last the session was ending and the most commonly used expression also serves to end this article.

IT'S OVER!



Fall Bonfire

Mary Earl and Mary Himanga, '76

Despite the dreary weather the annual fall bonfire was a raging success.

Undaunted by the rain, a fair crowd of new and old faces assembled in Green Hall for a feast of beans, weiners, pop and cookies. After the meal we trekked out into the drizzle down to the bonfire site north of the Forest Products Building. Once there, our honorable(?) Forestry Club president, Richard Herold, introduced the F-Club executive board and, with the help of F-Club vice-president (president of vice) John R. Davis, described upcoming activities. President Herold then introduced Frank Star, spokesman for the Recreation Resource Management Club, to the crowd. Frank gave a summary of RRM club activities and extended an invitation to interested students.

Faculty members were introduced by "Big Al" Hallgren who, in the absence of Dean Kaufert, undertook the responsibility of relating the traditional bonfire Indian joke.

After these introductions and announcements, conclave team coach, Eldon Farb, gave a demonstration of conclave events with a little help from his friends. Terry Jo Thompson attempted to split a match and then helped to cheer on Jim Varro and Eldon Farb as they sawed through a red oak log in record time. (Never before has anyone taken that long). Eldon also showed us how to chop through a cant. The demonstration was brought to a climax with "Rotten Ralph" Greiling matching "Dirty Dick" Herold, wad for wad, in the tobacco spit.

Due to the great organizational efforts of those involved in preparing the bonfire and the lively conclave demonstration, tremendous interest was aroused in the upcoming F-Club activities and the Midwestern Forester's Conclave, to be held in Missouri this year. The crowd enjoyed themselves and went home satisfied, ready to start another year of fun-filled activities.



For dessert — ice cream??



Big Al — the malady lingers on . . .



*A new record in slow bucking.
(Courtesy, University Tree Service)*



Forestry Club Management Trip; Fall 1973

by Mary Himanga

The Forestry Club held its first management trip of the year on Oct. 27th. About 20 students gathered at Green Hall on a foggy, Saturday morning and set out for the Lake City area of Minnesota to observe big timber management practices. But not everyone reached that destination.

One carload of students, led by fearless Paul Scherman, left our rallying point in Lake City five minutes earlier than the rest of the group and quickly overshot the Area and District headquarters of the Division of Lands and Forestry. Unable to find the headquarters, they ended up spending the day in White Water State Park.

After waiting an hour for Scherman and his roughriders, to no avail, we began our tour of the station and on our way to learning black walnut management on private and state lands.



We began the trip with a tour of equipment and facilities at the station. Led by Area Forester, George Hammer, District Forester, Terry Helbig and Trainee, Robert Maki, we proceeded to a private plantation. The plantation was owned and managed by an employee of the Soil Conservation Service, who, besides his regular work schedule, spent an additional 40 hours a week on his plantation.



Here we learned a little about herbicides and pesticides usage, the pruning of young trees and the black walnut species itself.

From there we proceeded to the Minnesota Memorial Hardwood Forest recreation area. After eating a windy lunch under the minimum protection of an overhead picnic shelter, we walked through Scotch and Norway pine stands to observe recreational uses of the forest. Presently, the forest has only ten campsites, but further recreational development is in the planning stages.

Next we moved on to a mature black walnut stand. Here we discussed the evaluation and sale of black walnut timber. After being introduced to grading standards of walnut trees, we received some practice pricing of some of the larger trees. The rangers then answered questions about the extraction and percent utilization of the trees.

The rest of the day was spent visiting a small Hoehner-Waldorf sawmill and chipping operation, and several private and state walnut plantations. We compared variations in management practices, planting techniques and herbicide application. State land acquisition was discussed in relation to the stocking of trout in a stream that ran through a section of private land.

As we drove home that evening through a light drizzle, students had a chance to warm up, sleep, sing nostalgic conclave songs and wonder what had become of Paul and his nomadic carload.

We learned a lot in one day, had a lot of fun and were able to become better acquainted with Dr. Scholten and Dr. Sucoff. The two faculty members had toured with us all day and answered many of our questions.

One would have to agree that any activity that can be a learning experience, fun and draw students and faculty together has got to be a success.

CONCLAVE

PAUL SCHERMAN '76

It was 8:00 on Friday, October 19th, when Minnesota's finest loaded up and began their long journey to the 2nd Annual Midwestern Forester's Conclave at Camp Zoe, Missouri, in the Ozarks.

The team was in good spirits as they left Green Hall but 200 miles later things 'settled down.' Rotten Ralph decided he would take a snooze in the aisle of the bus and miss a few miles. Pranksters quickly moved in on Ralph's prone body tying his boot laces to the seats and labeling his face with a Flair pen. Ralph's rude awakening coincided with our arrival in a sleepy Iowan town which also suffered a rude awakening when Ralph let fly with a string of choice words.

After stretching our legs in Iowa we continued our long journey. Three girls had the misfortune to drive by our bus and the foresters quickly passed judgment,

man, because of his distinctive chin and well-coiffured hair, fielded many a jealous insult from Jim (carp) Varro. Captain Eldon Farb decided that Bruce Schoenberg should practice his sawing in preparation for the upcoming competition. He was immediately ignored and everyone hit the sack.

At dawn the foresters assailed the mess hall for the traditional logger's breakfast of pancakes and sausages. Everyone was primed.

At 8:00 a.m. the competition began with the match-split, traverse and dendrology.

Stu Lovejoy, Carol Szaia and Paul Scherman represented Minnesota in the matchsplit and it was Stu who brought the Gophers their first points with a respectable third place finish.

The strange Missouri flora intimidated all the Min-



For our thoughtfulness in choice of words, the girls presented us with an Iowan bird. We in return wanted to give them the Minnesota gopher but they were over the horizon before we had the chance.

Other stops were made on the way but were uneventful. By 8:30 p.m. everybody was sacked out or getting nervous over the forthcoming competition. At 9:45 the bus turned off the highway onto a gravel road. Dropping into super low we climbed into the Missouri hills. After 14 hours, 400 miles and Jim Varro's navigation, the team had finally reached their destination. Peeling ourselves from the seats we stepped off the bus and onto Missouri soil and into Camp Zoe.

After locating our assigned cabin, equipment was stowed away and everybody crawled into their sleeping bags. During the course of the evening, Paul Scher-

nesota foresters except Terri Tompsom who was our lone entrant in the dendrology competition. Trying to beat out the natives in dendrology, especially in Missouri, was next to impossible. Missouri took the first three places and along with it, a lead they would never surrender.

The traverse proved to be about as successful for the Minnesota pathfinders. Not only did we lose all the points, we also lost two of our entrants who became so enthralled with the scenery, they almost forgot to return.

The one man buck brought Minnesota its most points as Eldon Farb and Tom Schnadt took second and fourth respectively against stiff competition.

To prove that his success in the one man buck was no fluke, Eldon loosened up his lips and enveloped fourth in the tobacco spit, with a commendable splat.



Lessee . . . S 16x 22' W minus 5x 30' E plus six clicks left windage times 16 1/2 feet in a rod . . .



Now where the hell am I?



Chuck Connell ended the morning's events by tossing his pulp with a mighty heave and secured fourth place and a seat at the dinner table.

Hunger delayed further competition and lunch was served. Appetites were quickly put at bay by the native food of 'possum belly and beans.

After chow, the log roll started off the afternoon's events. Forced to use a log which looked more like a bull horn than a butt log, Minnesota was no match for the Missouri rollers who seemed a little crooked too.

At 2:00 the chain throw began. Mike Koke blazed his way to a second place finish. Three more points were added to the score. We now had 11 points.

The two man buck was a disappointment for all. Being Minnesota's strongest event in the past, other schools are learning the secrets of our supersaw. Chuck Connell and Bill Befort prevented a shutout by capturing fourth.

Showing their physical strength and accuracy, Randy Langseth, Jim Varro, Lee Schumnk and Chuck Connell took second place in the bolt throw resulting in another three points.

The Choppers failed to produce any points, but Herb Sclechta and Chris Kempf showed good form in their debut. This event should be a strong point for Minnesota in future Conclaves.

The day of events ended with the Special Event: a two mile canoe race down Sinking Creek ending in Camp Zoe. Minnesota voyageurs, Tom Schnadt and Mike Koke demonstrated great skill in handling their canoe. Cold and soaked, they finished third giving Minnesota their final two points of the day.



Bill, ya lost the other half of your team.



If we hurry we can make the bus ...

When the competition was over, Missouri was on top with 60 points, Michigan Tech was second with 28 and Minnesota was third with 17.

Dinner was served and everyone stuffed themselves with barbequed chicken. Chuck Connell displayed his unique talent of grabbing food off the table with both hands and shoving it into his mouth with his feet. As Chuck was leaving the mess hall the kitchen workers enlisted Chuck's assistance. Next year, Camp Zoe hopes to have an electric one installed under the sink.

Everyone then proceeded to the awards ceremonies. Missouri, Michigan and Minnesota were awarded Homelight chainsaws for their fine efforts. The bulk of the individual prizes went to Missouri and Michigan leaving Minnesota with a fine assortment of whetstones and earplugs. Grudgingly we gave the red oak trophy to Missouri but made them promise to give it back next year.



Nothing underhanded about Randy.



Chas. puts a little English into it ...



A little something for everyone

It was down to the beach for the ice cream social. The ice cream started floating and soon the songs and the loggers were too. Making up for an earlier defeat, Minnesota scored a resounding victory in this unofficial conclave event. At 3:00 a.m., four Minnesotans were still filling their lungs and stomachs. By 4:30 a.m. victory was ours as the last of the competitors quit, when his mom called and told him to come home.

After a quick breakfast of donuts and hot drinks we were on the road home by 9:00 Sunday morning.

The scenery in the Ozarks was beautiful and made that part of the trip enjoyable except for the finalists in the ice cream eating contest who began to feel the effects of the roller coaster ride. Windows went down and heads went out; along with other things: donuts, beer, etc. Sometimes they couldn't even make it to the window; Lee Schumk decided to bring home a souvenir from the ice cream social by hiding it in an empty cooler. After a new paint job the bus should be as good as new.

It took Minnesota 21 years to win its first Conclave but it will take only two years to win our second.

Shoein' Snow in Sherburne

Frankie Eikum, '76

The nine students that were there would all agree that the Forestry Club's first snowshoe trip was a big success. To start the day off in the right manner, Mark arrived late. Since we did not know his car, he almost collided with us to get our attention as we were driving out of the parking lot.

After we arrived at Sherburne National Wildlife Refuge, everyone got out and put on snowshoes. Soon after we had gotten under way, Carol looked back and was surprised to see that some animal was following her, leaving very strange looking tracks. The troops moved on making stops once in a while to re-adjust bindings so snowshoes would not fall off.

One rest stop found Mark lying in the snow with Mike and Paul jumping up and down around him. As time went on, we turned our thoughts to lunch. Upon finding a wooden foot bridge, we stopped to relieve our hunger pains. Eating frozen jelly or meat sandwiches, everyone eyed Mikey as he ate his hot lentil-bean soup.

With food in our stomachs and energy flowing through our legs, we began to trudge along the trail to finish our hike. Schweetie never gave out as trail-breaker for the whole trip. Having reached the cars again, we discovered that the afternoon sun had warmed up enough for a good snowball fight. As might be expected, the action centered around Mary Earl who was helped by Sally, Barb, and myself opposing the guys. Nine dripping wet, but happy people crawled back into the cars and took off for the cities again.



Mary takes snow samples —



Antifreeze gets to ya after a while.



Hey, can I give you a hand?



Turkey Day at Birch Park

Frankie Eikum '76

Two rookies joined the downhill skiers of Forestry Club this winter. The group took advantage of Birch Park's Monday night student rates.

Congratulations goes to John R. He was bound and determined to get me on the slopes even if he had to hog-tie me, put skis under me and shove. He succeeded and although I never graduated from the bunny, bunny hill, I had a lot of fun.

Although it took about two hours for Eldon and me to convince him to go, Dirty Dick thoroughly enjoyed the evening. As the other of the two rookies, he was soon skiing down experienced hills as though they were nothing.

Carol and John R., both experienced skiers, seem to prefer collision courses. They start down from two different parts of a hill, realize they are going to crash and each swerves into the other's path. Needless to say, skis, poles, arms, etc. flew in all directions.

John R. and Dick decided to ride the chair lift uphill. While waiting for the chair, they got their skis tangled up and the chair came up and caught them before they were ready. John decided he wasn't on right and jumped off from about five feet up. The ski patrol at the bottom of the lift didn't quite know what was happening. He radioed up to the patrol at the top to warn him that "there is a turkey on four." Since then, Dick has been known as Turkey Dick.

We beginners were royally shown up by Bruce, Scott, Barb and Gail. Eldon and Margie were doing all right, too.

SOLD BY H.Q.Z. DATE 12/4 1973
 NAME K.E. WINSNESS
 ADDRESS RM. 10, GREEN HALL

| REQ. NO. | AMT. RECD. | ACCT. FWD. |
|----------|-----------------|------------|
| 1 | 17' SPRUCE PINE | |
| 2 | @ 3.25/56. | 22 75 |
| 1 | XMAS TREE | |
| 4 | STAND | 10 00 |
| 5 | TAX | 1 31 |
| TOTAL | | 34 06 |

502



How To Sell Christmas Trees;

or

Boy, Did We Make Off Like Bandits

John R. Davis, '74

'Twas the month before Christmas and all over the campus, not a creature was stirring, not even a mouse. However, down at the corner, a half-dozen crazy foresters were trying to sell Christmas trees.

In an attempt to improve the operation, this year's co-chairmen, Tom John and John R. Davis tried to

have the project do all the work possible, as early as possible. To do this, work began during June and July. Working in 90 degree weather, several foresters got together and tagged over 1000 trees. Spraying was contracted to Arno Bergstrom, one of last year's co-chairmen.



Aaaaiigh . . . my arm.



She ought to be coming out in this one.

Xi Sigma Pi

Jim Eychaner, Grad.

On Saturday, Nov. 10, 24 foresters, including 11 girls, braved the cool, cloudy weather, and headed for Cambridge. Supplied with substantial amounts of beans, hot dogs and ice cream, the foresters were able to cut and bale 1700 trees. The following weekend, several foresters went back and cut and baled 300 more trees.

Saturday, Nov. 24, was selected for hauling. Tom John, Club Advisor, Scotty Scholten, and a handful of other foresters took off for Outing, Minnesota to bring back 500 white spruce, but not until they were able to free Tom John's stack truck from the muddy



Not bad for a night's work.

grasp of a University cornfield. But their problems did not end here as the plantation proved to be hard to find, the trees weren't tagged and it started to snow, which brought about the usual snowball fights. But they managed to get several hundred more trees to the lot in time for the opening.

The lot opened on Monday, Nov. 26 and the situation was normal: few people, few trees and too many salesmen. However, trees were constantly being hunted until the first week of Dec., when an inventory of 2700 trees had been accumulated.

Business was thriving and by Dec. 18 over 2600 of the trees had been sold. Two days later virtually the entire stock had been cleaned out.

Overall the project netted nearly \$6000 and had involved from 30-40 people during different stages of the project. It was the most successful tree project ever and should give next year's project crew an incentive to do better.



Here's a dandy mountain mahogany pine.

The major activity of Xi Sigma Pi at the University of Minnesota continues to be the recognition of high scholarship. Paul Russo was added to the Freshman Honor Roll for achieving a perfect 4.0 GPA during 1972-73. On March 12, 21 new members were initiated into the society at the annual dinner. They are graduate students Chung-Muh Chen, Robert Dennee, David Snyder, Sadan Widarmana; seniors Robert Anderson, David Aslesen, William Befort, Jim Brass, Joseph Gans, Thomas Klabunde, Robert Lindholm, James Marshall, Wayne Miller, Clinton Pearson, Robert Scheierl, John Stegmeir, Paul Thomson, James Varro; and juniors James Evenson, James Felty and Tom Schnadt. We plan a second class of initiates for spring quarter to assure that all who are eligible and wish to join the society may do so.

The speaker for the initiation dinner was Mr. Robert Raisch, Director, Northeastern Area State and Private Forestry for the US Forest Service. His talk, "Some 1974 Forestry Challenges," urged us to participate in the political process by which major resource-management decisions are made, that is, that we must work as much in educating the public about resources as in doing our official jobs.

Mr. Raisch's talk encouraged us to expand our efforts in the speakers bureau. We have been called on to provide several speakers each quarter to various schools in the metropolitan area, and we anticipate more frequent calls spring quarter. Ranger Bill Woodruff will be working on updating the present slide-talk on forest management and perhaps setting up another one.

Officers for this year in Delta Chapter were Jim Eychaner, Forester; Terry Jo Thompson, Associate Forester; Ron Christensen, Secretary/Fiscal Agent; Bill Woodruff, Ranger; and Dr. Joe Ulliman, Advisor.



L-R Woodruff, Thompson, Raisch, Kaufert, Eychaner, Christensen



Sitting (L to R) Lataweve, Weber, Peterson, Lund, Bowyer.

Standing (L to R) Zebro, Kasel, Kiscaden, Gans, Gilbertson, Toepel, Fischer, Aldonas.

Forestry Club



Sitting (L to R) Pres. Dick Herold, V.P. John Davis

Standing (L to R) Sgt. at Arms Eldon Farb, Advisor "Scotty" Scholten, Sec. Terry Thompson, Treas. Jim Varro.

Products Club

Winter quarter '73 marked the re-emergence of the Forest Products Club which had been disbanded a few years ago. Under the guidance of Dr. Jim Bowyer and club president Doug Gilbertson the members of the forest products curricula have joined together and are pledged to the task of making this club the biggest and best ever. The purpose of the club is to develop leadership and foster a high standard of scholarship and professional conduct among its members.

The club sponsors numerous activities designed to promote harmony and fellowship within its ranks and to support and benefit the Forest Products Club and the University of Minnesota. In order to present students with a first-hand look at the career opportunities available in the wood utilization fields, the club is sponsoring field trips to various wood products industries and will be inviting guest speakers from these industries to attend club meetings and hold informal talk sessions with the members.

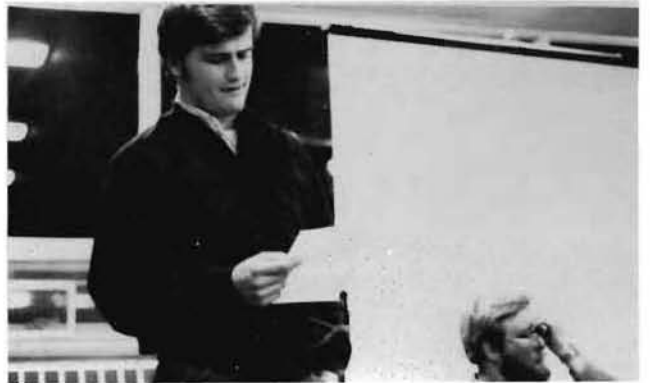
Membership in the Forest Products Club is open to any University of Minnesota student interested in wood utilization.



I don't know . . . Which channel do you want to watch?



And then of course we'd have to consider . . .



And on that project we lost . . .



Harold hands reins to Tom Schnadt.

F-DAY

by John R. Davis and Dick Herold

Even though, in the week preceding Forester's Day, the event looked like it was going to be a total organizational disaster, it came off as a roaring success this year, as usual. One of the disturbing factors was a last minute, one-week postponement of the originally scheduled date due to an SAF meeting conflict. The two co-chairmen responsible for the success-disaster (choose one) will not be named, but their initials are Dick Herold and John Davis.

The whole shebang started on Friday, January 23, with the Closed Coffee Hour. This event, under the direction of Queen's chairman Eldon Farb, is where the 15 queen candidates were wined and dined (well—would you believe they were served coffee and donuts?), and then interviewed singly. After much deliberation by all of the F-Day chairmen (& women) five finalists were selected. It was truly a difficult job.

On Wednesday, January 30, the Open Coffee Hour was held in the Student Center. The five queen finalists were introduced to the public and were asked

several "forestry related" questions made up by students and the audience. The entertainment was provided by the Home Brew and Jeff Osmondson, not to mention the clowns trying to run the event. Dan McCormick was responsible for this one.

That night, the finalists were introduced to the club members and ballots were cast for the Queen and Son of Paul award. No Uncle of Paul award was given this year — not that there weren't qualified candidates, but two of the three nominees declined the nomination.

The Special Event was held on Friday night, February 1, at Paul's Place Inn. Paul Scherman did a great job disorganizing the event. Entertainment was provided by a blues band which Scott Barger plays in, and the Home Brew. Shortly thereafter, six hard working (?) Forestry Club members, Tom John, John Davis, Eldon Farb, Jim Varro, Tom Schnadt, and Gary Johnson, each received a scholarship. Rumor had it that Dean Kaufert was to receive a special award, "The Godfather of Them All." The rumor was only half true. He received the "Great Granddad of



Granddaddy



Field forester at the lead



Queen Candidates



You remember her, the one . . .

'Em All" award. After Dr. Kaufert's presentation, the Field Forester of the Year award was given to a very surprised Carson Berglund of the Minnesota Department of Natural Resources. The evening then went into the best part, the talk on the Bald Eagle in the Chippewa National Forest, by Dr. Dan Frenzel of Fisheries and Wildlife. Shortly thereafter, the evening broke up to allow all of these pour souls time to rest for the next day.

Saturday, February 2, broke almost as usual, it was cloudy. Things started off with a thud at the Logger's Breakfast under the brilliant (!) leadership of Robin Beeman. After cleaning up, the usual shenanigans started with the skits, both oddly enough on Itasca. The Faculty skit was a series of old (about 10,000 B.C.) slides on Itasca. The students took off on Stalag Itasca and the paper (toilet type that is) shortage. It was, to say the least, a gas. Shortly after 12:00 noon activities moved out to the Foresters Mall where the faculty decided that things should start late. First item on the agenda was the queen coronation. It was a first. Gail Anderson, a forestry freshman, was cor-

onated as the 1974 queen. Then came a real shock. John R. Davis was given the Son of Paul Award for his contributions to the Club. For once he shut up! All the formalities being achieved, interest was directed towards the field events. Tom Schnadt, the field events chairman, outdid himself. Things actually went off, including all of the girls' events and all of the guys' events. The great forester in the sky was benevolent, we actually had snow on the ground.

That evening an enormous number of people converged on the Stump Jumper's Ball. Paul Brandt, chairman, got an excellent German polka band which really got things flying. Queen Gail did the honors of handing out the awards, including getting one kiss (yes, he actually kissed her) from Jim Varro. Jim, incidentally, was the high point man so he was on the stage rather often.

This year's activities were a roaring success. The two co-chairmen would like to thank all those who helped, no matter what the job (including you, Eldon, for scaring all those poor, possible queen candidates off).



Gee, I can't think of anything to say.



Pres. Moos — And then when the students start throwing rocks . . .





Wait till you hear the questions.



I just heard.



Our chairmen.



Can I check your coat?



Just pick it up and put it back on your plate.



I hope they serve prunes for dessert.



Who set me up with this clown?



Try anything, Doc, I'm desperate.



Another one on the ceiling



This will make you big and strong like Daddy



Ana ona, ana twoa



What do you mean Timber?



This putty knife works pretty good



No El, the points go on the inside

Streaking



Can I show you something in an encyclopedia?



What makes you think I had something to do with that fire?



I'm really strong today. Couldn't find my Right Guard!

Green



And then the eagle goes . . .



My country tis of Thee . . .



Golly, I can't decide between the supervisors staff in Idaho or the regional job with Weyerhaeuser.



Hi, I'm your new Field Measurement teacher. I think we can make this an interesting class.



You won these earplugs where?



Being a student looks easy enough.



What do you mean find a job?



Itasca students ain't what they used to be.



Joyce, get up!



Where's Chuck?



Hey, it ain't as easy as it looks.



I was in the 25% fewer cavity group.



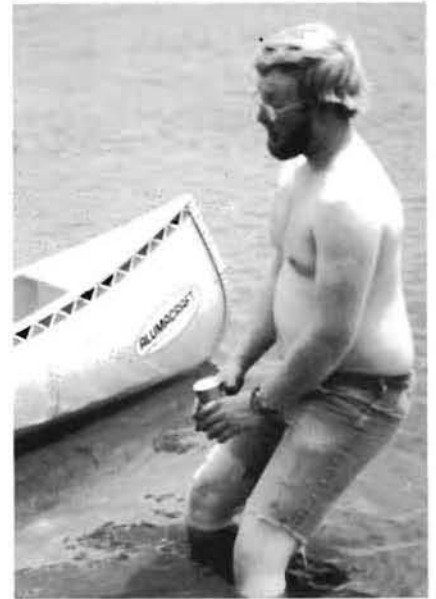
Rope tricks don't come easy with this thing.



We had 25% fewer teeth.



Who are you calling an ass?



That's alright, I can relax anywhere.



Hey, this sandbaggin' is fun!!



He may be leaving, but his indian joke lingers on!



You lost my pitch fork!!!



Just another Peavey subscription, Dear.



Look Al, I've been waiting for a job long enough!



The only problem with catching these things is the splinters!

Scholarships and Awards

| | |
|--|---|
| <i>John H. Allison Scholarship</i> | William Befort '75 |
| <i>R. M. Brown Scholarship</i> | David Aslesen '74 |
| <i>Carolind Scholarship</i> | James R. Marshall '74, Ruth E. Duba '75, Scott C. Ditmar- sen '76, John F. Thurmes '77, James Hermann '74, Steven Simmer '74 |
| <i>Chapman Foundation Forestry Scholarships</i> | David J. Kascht '76, Mark H. Hansen '76, Mary A. Himanaga '76, Michael J. Feda '76, Adrian Degarstrom '76, Gary L. Zielske '77, Robin D. Beeman '77, Claudia Kieffer '77, Wil- liam H. Helin '77 |
| <i>E. G. Cheyney Memorial Scholarships</i> | Terry J. Thompson '74, David Aslesen '74, Leonard Was- ser '74 |
| <i>Caleb Dorr Scholarships, Medals</i> | Paul Russo '76, Mark Stennes '75, John Thurmes '77, David Aslesen '74 |
| <i>Edward A. Everett Memorial Scholarship</i> | Margaret Kain '76, Judith Ann Erickson '74 |
| <i>Federated Garden Clubs of Minnesota Scholarship</i> | Thomas M. Smith '74, Frank J. Sutherland '74, Pam K. Lar- son '74, Margaret Sandgren '74, Laurie Ann Benson '75, Arne Steffrud '75, Henry Goehle '75 |
| <i>Forest Products Marketing Scholarship</i> | James Toepel '75 |
| <i>E. M. Freeman Scholarship</i> | Robert W. Scheierl '74 |
| <i>Robert L. Gondy Memorial Forestry Scholarship</i> | Gene R. Peterson '74, Daryl W. Aiken '77 |
| <i>Samuel B. Green Scholarship Medal</i> | David Asleesn '74 |
| <i>Homelite Forestry Scholarship</i> | Eldon Farb '74, James Varro '74 |
| <i>Oscar I. Mather Scholarship Award</i> | Donald Streiff '74 |
| <i>Pulp and Paper Scholarships</i> | Stephen Koski '75, Alan Korpi '75, Paul Thomsen '74, Gene Peterson '75, Dana Fitts '75, Timothy Saarberg '75 |
| <i>Henry Schmitz Student Leadership Award</i> | Richard Herold '74, John Davis '74, Perry Bollum '74 |
| <i>St. Paul Campus Faculty Women's Club</i> | Terry J. Thompson '74 |
| <i>George Seaberg Memorial</i> | Carol J. Czaia '77, Gail Susan Anderson '77 |
| <i>Augustus L. Searle Scholarship</i> | Susan M. Pflager '77, Carol Booth '77 |
| <i>Helen A. Young Memorial Scholarship</i> | Ronald O. Erickson '74 |
| <i>Forestry Club</i> | Tom John '74, John Davis '74, Eldon Farb '74, Jim Varro '74, Gary Johnson '74, Tom Schnadt '75 |





ALUMNI

Frederickson Receives Award



Mr. Frank T. Frederickson, formerly Minnesota Woodlands Manager for the Boise Cascade Corporation at International Falls, was given the Distinguished Service Recognition Award by the Colleges of Agriculture, Forestry and Home Economics Alumni Association at its February 23 annual meeting.

The Award to Frederickson was made by Mrs. Lillian Lindstrom, President of the Association, and Frank H. Kaufert, Dean of the University's College of Forestry. The basis for the Award was incorporated in a framed scroll reading as follows:

In Recognition of His Outstanding Contributions to the Conservation of Minnesota's Renewable Natural Resources through Development of an Outstanding Industrial Multiple-Use Forestry Program, Improvement of Forest Protection Against Fire, Insects and Diseases, Formulation of New and Better Forest Laws and Regulations, Enhancement of Improved Communication and Cooperation between Forestry Agencies, Strengthening of National and State Professional Forestry Organizations, Vigorous and Enthusiastic Leadership for Professional and Community Organizations, Able Spokesmanship for Sound Conservation and Multiple-Use Forestry.

Frederickson was a former resident of St. Paul and graduate of the University of Minnesota College of Forestry. His experience included some years of service with the U.S. Forest Service on the National Forest Survey in the Lake States and with the State Division of Lands and Forestry, Department of Natural Resources and its predecessors. Frederickson has been active throughout his career in development of Minnesota's forest and recreational resources and has occupied at one time or another most of the leadership positions in Minnesota forestry and conservation organizations.

Frederickson and his wife Margaret will continue to make their home in International Falls.



Alumni and former faculty at the May 9 Minnesota Forestry Alumni Association banquet — left to right: 1st row: Dean F. H. Kaufert, Professor Emeritus, R. M. Brown, Herb Matureu '24; 2nd row: Professor Emeritus J. H. Allison, John Coffey '26, Paul Rudolf '28; 3rd Row: Roy Wildon '29, Parker Anderson '21, Larry Ritter '29, Bert Thayer '22.

McGuire Elected to Fellow

John McGuire, Chief of the United States Forest Service, has been elected to the rank of Fellow in the Society of American Foresters.

McGuire, who graduated from the College of Forestry in 1939, has devoted a lifetime of leadership and work to all aspects of forestry, especially Federal Forestry.

Henry Schmitz Student Leadership Award Winners



Perry Bollum, Dick Herold
John Davis

Student Receives the "Little Red Oil Can"

Perry Bollum, a senior in the College of Forestry, is the 1973 recipient of the "Little Red Oil Can" award.

This annual award is given to the student or staff member who has earned the respect and affection of St. Paul Campus students.

Bollum has been president of the St. Paul Board of Colleges for two years and has been deeply involved in student government during his college career. His conscientious work for the development and progress of the St. Paul campus has brought about a greater recognition of the campus and its students by the University.

Club Honors Berglund



Carson Berglund, a forester for the Department of Natural Resources for the State, has been named Field Forester of the Year by the Forestry Club at this year's annual Forester's Day celebration.

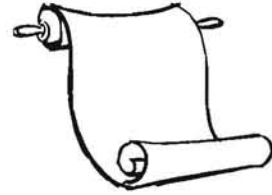
Berglund, a 1968 graduate of the College of Forestry, started as a District Forester in the Bemidji area. His work in the areas of timber stand improvement, timber sales, fire control and tree planting has contributed greatly to the state forestry program.

Berglund has now assumed a new position as Area Staff Forester in the Lake City Area.

Freshman Honor Roll

Paul Stephen Russo, a freshman in the College of Forestry, has been named to the Xi Sigma Pi Freshman Honor Roll.

Each year, since 1923, the freshman in the college who has maintained the highest grade point average in his first year has been placed on the roll. Russo is joining an esteemed group of foresters who have continued on from this prestigious beginning to achieve recognition in the field of forestry.



R. M. Brown Scholarship Established

The R. M. Brown Scholarship has been established to honor Randolph M. Brown, Professor of Mensuration and Statistics in the School of Forestry from 1927 to 1965. Professor Brown is recognized for his devotion to teaching and work with students, having been Director of the Itasca Forestry and Biological Station



Left to right: Professor Joe Ulliman (Scholarship Committee Chairman), Dave Aslesen — R. M. Brown Scholarship Winner, Professor Emeritus R. M. Brown.

for 17 years, a member of the Scholarship Committee for more than 20 years, and was in charge of part-time and permanent job programs for students.

One Scholarship will be awarded each year as long as funds last. The College of Forestry Service Fund will contribute \$200.00 per year to Seniors in the College of Forestry, Forest Resources Development or Forest Science Curriculums who have a special interest in Mensuration or Statistics and who have academic aptitude, vocational promise, leadership, personal attributes and financial need.



Dean Kaufert (left) and retired Extension Forester Parker Anderson (right) making the Northwest Sportsmen's Show award of Conservationist of the Year to Professor Emeritus J. H. (Pop) Allison.



Dedication of the "John H. Allison Forest" June 27, 1956. "J.H." being congratulated by one-time State Forester, William T. Cox. "J.H.'s" grandson John is mid-foreground. Dr. Frank H. Kaufert to left.



REMEMBER YOUR DEAR OLD ADVISER
Tune — Red River Valley —

From Green Hall they tell me you're leaving
Do'not hasten to bid me adieu
But remember your dear old Adviser
And the cruel things he once did to you.

How he counselled you to take snap courses
How he cheered you thru math and chem two
How he wept when they said you were flunking
And choked up when they said you were thru.

Even tho' in his class you had slumbered
To employers he said you're true blue
From the Dean he did always protect you
His faith was so good and so true.

When among the old grads you are numbered
With the millions that are your fair due
Then remember your dear old adviser
And the cruel things he once did to you.





State of Minnesota

Proclamation

WHEREAS: Dr. Frank H. Kaufert, Dean of the College of Forestry, University of Minnesota has for more than a quarter of a century been recognized as an outstanding leader and spokesman for the profession of forestry and for education and research in the schools of forestry; and

WHEREAS: he has provided vigorous, progressive and imaginative leadership: in developing and sustaining the McIntire-Stennis Cooperative Research Program which provides federal funding for forestry research to the nation's colleges and universities; in establishing and implementing educational and research policy among institutions of forestry education nationally and internationally; and in serving as a spokesman for alternative policies in forest land management; and

WHEREAS: he has overseen and directed the growth of his Department at the University of Minnesota to a College within one of the nation's leading universities through his efforts as chief administrative officer, representative, and spokesman; and

WHEREAS: his ability to work with governmental agencies and the forest industry, and to deal effectively with the man in the field as well as the forester in industry and education will be reflected in the techniques and progress of forestry and forest management in Minnesota and throughout the United States for generations to come; and

WHEREAS: twelve of the accredited schools of forestry in the Nation and three of the United States Forest Service Experiment Stations are led by graduates or former faculty of the University of Minnesota College of Forestry, and many of Dr. Kaufert's graduates have served with distinction in Minnesota's Department of Natural Resources, including the present Commissioner;

NOW, THEREFORE, I, Wendell R. Anderson, Governor of the State of Minnesota, do hereby proclaim Monday, June 3, 1974 as

DR. FRANK H. KAUFERT DAY

in Minnesota to pay official and public tribute to a man who has been and will continue to be an inspiration to others through his role in education as teacher, advisor and administrator, and whose past achievements are unexcelled in the forestry profession today.



SECRETARY OF STATE

IN WITNESS WHEREOF, I have hereunto set my hand and caused the Great Seal of the State of Minnesota to be affixed at the State Capitol this fourth day of May in the year of our Lord one thousand nine hundred and seventy-four and of the State the one hundred and sixteenth.

Wendell R. Anderson
GOVERNOR



News Notes

Harvest of '10

ROBERT L. DEERING is retired from the U.S. Forest Service.

CHARLES L. LEWIS sends us word from Sheell Lake, Wisconsin, where he is retired and living with his wife. They are both 85 years old and have been married 60 years — 4-25-74. He says: "If in good health I will certainly attend the banquet in honor of Dean Frank Kaufert, June 5, 1974. Frank is a fine friend."

Harvest of '11

J. PAUL YOUNG is retired and living in Seattle, Washington. He writes: "Am living in the same location in Seattle, as I have been for the last forty-seven years with the exception of three years in Honolulu. I'm pretty well considering the number of years that have rolled over my head. I would like to hear from any member of the class of 1911 if there are any members still around. Since I never worked in Forest Service except for summer employment, I don't think I'm qualified to express an opinion on forest management."

Harvest of '12

JOHN A. STEVENSON is spending his retirement in Washington D.C.

Harvest of '13

E. H. HALL is spending his retirement in Walterville, Oregon. He writes: "Still living on our 10 acres of timbered land, up the McKenzie River, but new houses, mobile homes, and business, is creeping in all around, way too fast."

Harvest of '14

GEORGE C. LINDBERG George Lindeberg died Feb. 3, 1973 at the age of 81. He was a retired lumber wholesaler.

Harvest of '18

EARL S. PENDERGAST sends us word from Winter Haven, Florida where he is retired.

Harvest of '21

LEYDER N. ERICKSEN is retired and living in Berkeley, California.

A. E. WACKERMAN is retired in Bluffton, S.C.

Harvest of '22

OTIS C. McCREERY is retired and living in Pittsburgh, Pennsylvania.

RALPH M. NELSON orders his Peavey from Asheville, North Carolina.

Harvest of '23

O. W. FROST orders his Peavey from Grand Marais, Minnesota.

Harvest of '24

DAVID A. KRIBS is a Professor at Penn. State University.

MAXON Y. PILLOW is a retired Research Wood Technologist, living in Madison, Wisconsin. He writes: "No startling news, retired but maintain an interest in most professional activities. I'll be looking forward the next Peavey; best wishes. Hope to make Dean Frank's retirement program next June, please keep me informed."

Harvest of '26

LESLIE G. HENRY reports from Costa Mesa, California. He says: "My wife, Ferne, and I are still managing house and apartment rentals at Costa Mesa. We have little contact with people in the forestry profession except for Christmas card correspondence. It was with a great deal of pride that the first PEAVEY was published in 1920. The house on Landford Avenue had just been purchased by the Forestry Club."

Harvest of '27

CARL G. KRUEGER is enjoying retirement in Coeur d'Alene, Idaho. He says: "No great change. Very active in getting a museum going in Coeur d'Alene, which will give emphasis to forestry and logging."
TOM LOTTI is retired and living in Alexandria, Virginia.

ARTHUR F. VERRALL is a retired Forest Pathologist. He lives in Gulfport, MS.

Harvest of '28

OLIVER M. COOK writes to us from Merrifield, Minnesota where he is enjoying retirement.

MERRILL E. DETERS is a Professor of Forestry — emeritus at the U of Idaho.

ERNEST J. GEORGE is enjoying retirement in Mandan, North Dakota.

DAYTON P. KIRKHAM SR. is retired and living in Sun City, Arizona. He writes: "Retirement in Sun City, Arizona continues to be very interesting."

GUS (STEVE) LIMSTROM informs us that he is: "Still residing at my home in Duluth, and enjoying fishing and canoeing trips at nearby lakes may contribute article on energy crisis, perhaps making a plea to be more rational on strip mining. Lands so mined are not permanently destroyed — they can be made productive if proper forestry (and agronomy) measures are applied."

HAROLD F. RATHBUN is spending his retirement in Minneapolis, Minnesota.

MR. J. NEIL VAN ALSTINE is retired and living in Center Conway, New Hampshire. He writes: "When I came to New England in 1929 to work with the USFS I did not know I was returning to the home of my ancestors. In my researching I found the first Van Alstine was from Holland and was in New York by 1646 and 49 more came from England to Mass. before 1646 including 3 on the Mayflower in 1620. My people went west as soon as the country was relatively safe for settlement — to Conn., New York, Wisconsin and Minnesota. I too, had the urge to go west but it didn't work out that way."

BENJAMIN M. WHITEHILL sends us word from Knox, PA.

Harvest of '29

W. R. ANDERSON is retired and living in Roseville, MN.

A. DALE CHAPMAN writes to us from San Jose, California. He informs us that "Am now semi-retired and pursuing some interests for which I had little time 'til now — and getting in more gold, hunting, travel, and loafing! I'm looking forward to Dean Frank Kaufert's Retirement Party!"

WILLIAM E. HALLIN IS RETIRED AND LIVING IN Roseburg, Oregon.

FRANK H. KAUFERT sends us word from St. Paul, Minnesota, where he is Dean at the College of Forestry, University of Minnesota.

LAWRENCE B. RITTER, SR. is a consulting forester and rural land appraiser. He lives in St. Paul, Minnesota. He informs us that 1973 was an eventful year. He remarried — presenting his bride with 11 grandchildren. He was accredited a Rural Land Appraiser by the American Society of Farm Managers and Rural Appraisers. Currently he has a contract with the Division of Parks & Recreation. DNR appraising and buying recreation trail easements.

RALPH DANFORD THOMAS is retired and living in Wayzata, Minnesota. He writes: "Mrs. Thomas also takes pride in our "collection" of Pinus Strobus, P. Resinosa, Thuja Occidentalis, Juniperus Virginia, Picea Glauca, Acer Saccharophorum (K. Koch) Acer Platanoides Schwedleri, Ginkgo Biloba, Celtis Occidentalis, Tilia Americana Fraxinus Americana, Betula Papyrifera, B. nigra, Quercus borealis, Q. Alba, Ostrya Virginia, Larix Laricina, Malus 'Vanguard', Aesculus hippocastanum, Hepatica Acutiloba, Sanguinaria Canadensis Anemone Thalictrioides, Arisaema Atorubens, Asarum Canadense, Anemone Quinquifolia, A. Biflorum, Trillium Grandiflorum, T. Cernium, T. Undulatum, T. Erectum, Hydrophilum Virginianum, Phlox Divaricata, P. Subulata, Dicentra Cucullaria, Thalictrum Dioicum, AND MANY MORE."

Harvest of '30

RALPH W. LORENZ writes to let us know: "I retired from the Department of Forestry, University of Illinois Sept. 1, 1973 after 35 years in teaching and research. I taught dendrology and silviculture and was Director of our Field Studies taught in northern Minnesota. Over a span of one's professional life, one witnesses many changing patterns of education and social behavior. I hope they are all for the good."

T. EWALD MAKI sends us word from Raleigh, North Carolina. He says: "Nominally retired in 1972, but am continuing teaching and research assignments on a year-to-year basis, fulltime at the sufferance of the "U" administration and the Board of Trustees."

HAROLD L. MITCHELL is enjoying retirement in Madison, Wisconsin. He is spending his retirement fishing, hunting and traveling.

GEORGE T. OLSON sends us word from Sun City, Arizona, where he is enjoying retirement.

HUGO J. PAWEK is Vice President of The Mower Lumber Company.

WILLIAM L. ROYER lives in Lakeside, MT.

ARVID TESAKER is still "on the job" with the Soil Conservation Service in Beulah, Michigan.

RICHARD WITTENKAMP says he has no changes since last year.

Harvest of '31

STANLEY JOSEPH BUCKMAN is Chairman of the Board for Buckman Laboratories, Inc. He resides in Memphis, Tennessee.

MAURICE W. DAY is retired and living in Barbeau, Michigan. He writes: "This year we are joining the ranks of the retired. We have a new address but we will be living only a short distance from our former location."

B. J. HUEKENPAKLER is spending his retirement in Arlington, Virginia. He informs us: "Have now been retired 5 years, and we're enjoyin every minute of it. Just not enough time to see and do all the things we want to. Saw Ernie Oahl in North Carolina in June. Had a big time."

CHARLES J. KNOBLAUCH resides in International Falls, Minnesota, where he is retired. He writes: "On Aug. 4 & 5, 1973 attended the 3rd reunion of the former CCC enrollees of the Rabideau Camp (Co. 708) on the Chippewa Nat. Forest. About 180 attended from all parts of the U.S.

Harvesting was being done in a Red Pine plantation established by the enrollees in 1937. A rough measurement showed some of these to be 60 feet high. Most of the camp buildings were still standing."

PAUL J. ST. AMANT is retired from the U.S. Forest Service and living in Milwaukee, Wisconsin. He writes: "Same location same address one year older, now a senior citizen — 65 yrs young. Doing part time teaching of Horticulture for Milwaukee Area Technical College. Evening classes once a week (2 hrs) fall semester and two classes on vegetable gardening in winter semester 4 hours per week for 12 weeks. Passing out a little forestry and environmental management as the course progresses to keep urban home owners on the right track about the nations natural resources. Hope to see Frank in June."

ARTHUR E. SCHNEIDER resides in Goodyear, Arizona. He writes: "The Kitchen Cynic observes: Being poor isn't all bad — one never has to wonder if the key is in his other pants."

Harvest of '32

MR. & MRS. HAROLD E. ENGSTROM are owners and operators of Choose and Cut Christmas Tree Plantation in Camino, California.

ALEXANDER KARKULA says: "Retired from the lumber industry and live in Minneapolis. I enjoy the Gopher-Peavey Alumni News."

LAURITS W. (LARRY) KREFTING is a Research Associate at the College of Forestry, St. Paul, Minnesota. He writes: "I retired from the U.S. Fish and Wildlife Service last May and started working for the College of Forestry. Since then I have been writing and publishing just as the motto on my desk says, "Publish or Perish." The bulletin on "The Forest of Isle Royale in Relation to Fire History and Wildlife" by Hansen, Krefting, and Kurmis was published along with, "Moose Distribution and Habitat Selection in North Central North America." Another bulletin on the "Ecology of the Isle Royale Moose With Special Reference to the Habitat" is about ready for the editor. Hopefully four other shorter articles will be completed by June so that I can retire by July 1. My retirement gift from the Federal Service was indeed unusual and much appreciated. It was a hand carved Viking Ship which was carved by Art Toe of the Class of '32. Will be serving as Co-chairman of the Habitat Section at the International Moose Work Shop in Duluth March 25. Plan to build a lakeshore cabin near Star Prairie, Wisconsin when I retire. To keep busy I will be a membership salesman for the Norwegian-American Historical Association with headquarters at St. Olaf College, Northfield. The Association publishes books on Norwegian history and culture. There are no changes to report on the doings of my son Wayne and daughter Sandra."

ALAN F. LAIDLAW writes to us from St. Paul, Minnesota. He says: "In addition to being Secretary - Program Advisor for the Minn. Association of Soil and Water Conservation Districts I am also a member of the Board of Supervisors for the newly formed Ramsey Soil and Water Conservation District. The formation of this District completes the organization in Minnesota as the entire State is now covered by such Districts — of which there are 92."

NEIL J. MCKENNA is retired and living in Duluth. He writes: "Nothing new — still around!"

HERMAN F. OLSON who is retired and living in Custer, Wisconsin, says, "Happily retired managing my 240 acre tree and wildlife farm on the beautiful terminal moraine of the Wisconsin glacier near Stevens Point."

STANLEY B. OLSON is retired and living in Seattle. He writes: "I enjoyed seeing so many alumni at the Portland, Oregon SAF meeting in September. The class of 1932 was pretty well represented. It was nice to reminisce with old classmates I hadn't seen in forty years."

HOWARD B. SMITH is retired from the U.S. Forest Service and is living in Ogden, Utah.

WALTER M. ZILLGITT orders his Peavey from Asheville, North Carolina where he is retired.

Harvest of '33

WILLIAM E. ACKERKNECHT writes from Arlington, Va.: "The past 4 years of retirement after 37 years with Fish and Wildlife Service have been very rewarding and enjoyable. Have kept busy as a Consultant to the Wilderness Society, Secy-Treas. of an N.F.F.E. Local, Financial Secy of our Church but most interesting and challenging has been as an Income Tax counsellor with a National computerized Tax Company. Son, Bill Jr., has not followed his Dad's footsteps, but earned his Ph.D. at Purdue in Electrical Engineering and is employed at Jet Propulsion Lab. in Pasadena, Calif."

DONALD W. BURCALOW is a Federal Aid Coordinator for the Minnesota Dept. of Natural Resources — Division of Game and Fish.

HARRY T. CALLINAN lives in Bloomington, Minnesota. He writes: "Plan to retire December, 1974, when I reach 65. Have a place in Sarasota, Florida, 5860 Midnight Pass Rd., Siesta Key, where we would welcome visitors."

RALPH H. CHRISTOPHERSON sends us word from Milwaukee Wisconsin where he is a Forester with the U.S. Forest Service.

ARTHUR HORN sends us a note from Burnsville, Minnesota. He writes: "U.S. Forest Service employee for 33 years, retired in July, 1966. Have enjoyed retirement. Outdoor activities such as hunting, fishing, traveling take up much of my time, not to mention do it yourself projects. Family in good health and four sons happily married and doing well."

HARRY C. MILEY reports that: "am still in Vietnam. Will retire from U.S. State Dept. this June 30, 1974."

THEODORE B. NIEHAUS is retired and living in Grass Valley, California. He is a consulting forester.

DONALD E. PRICE sends us word from Eagle, Colorado.

JOHN A. RUNDGREN is retired and living in Eggleston, Virginia. He writes: "In the 7th year of retirement the things that need doing still outrun the things done or in process. I entertain myself as manager of 220 acres — a microcosm of the traditional multiple array of resources."

ROLAND J. SCHAAR is a real estate appraiser in Arlington, VA. He writes: "Hello to Frank Kaufert. He doesn't have to retire. What will he do? Idle time is bad. I keep busy appraising real property all over the U.S.A., especially special purpose properties for wildlife and recreation."

Harvest of '34

GEORGE A. HERION writes to su from Klickitat, Washington.

HERBERT C. NORMAN is spending his retirement in Minneapolis, Minnesota.

Harvest of '35

CLAUDE S. ASP sends us word from Colorado Springs, Colorado where he is employed by Phil Winslow VW Inc. He writes: "We are still at the same stand. Our son Elliott received his BA in Biology at CU this spring and is teaching introduction to Chemistry and Physics at the USAF Academy Jr.

High School. Our daughter Amy is a 9th grade teenager. We've got to stay young several more years. One of these days we hope to qualify for the Social Security Welfare Program. Best wishes to all. Our latch string is out."

HOWARD L. BROWN resides in Milwaukee, Wisconsin where he is employed by the U.S. Forest Service. He writes: "Retired 12/31/73 after 41 years with the Forest Service. Reemployed on part time basis to wind up the land status record conversion project. Pete & Florence plan to remain in Milwaukee for awhile."

Harvest of '35

ROY M. CARTER reports from Raleigh, North Carolina where he is with the School of Forest Resources. He writes: "My older classmates seem to be retiring at a fast rate, but I'm still in the collar. Carol, my wife, and I enjoyed socializing with Frank and Lone last summer at the Forest Products Research Society meeting in Anaheim, CA."

ROBERT H. CLARK writes to us from Fordyce, Arkansas. He says: "Still Forestry Manager for Georgia Pacific Corp at Fordyce, Arkansas. Ruth and I spent a very enjoyable month of May of last year in Japan visiting our son James who is a meteorologist with the Air Corp. Had a good visit with Con Lynch during the SAF Ozark winter meeting. Also was presented a certificate award for outstanding service in Forestry from SAF Washington by President John Beale."

ROBERT A. DELLBERG sends us work from Ukiah, California. He writes: "Still working as a consulting forester in the redwood region in California. Planning a trip to Central America in 1974. These things plus 2 grand children keep me busy."

JACK W. DENSMORE is a Regional Forester, SCS, Lincoln, Nebraska. He writes: "I enjoyed meeting so many Minnesota alumni and faculty members at the Minnesota breakfast at Portland. I am still Forester for the SCS Midwest Regional office."

BIRGER W. ELLERTSEN is Supervisor, Forest Ecology and Influences Section; Division of Forestry, Fisheries and Wildlife Development for the Tennessee Valley Authority at Norris, Tennessee.

ARTHUR E. FERBER is living in Lincoln, Nebraska where he is retired. He informs us that: "The leisurely gait of retirement is one of the better things in life. Spent most of my 1973 spare time traveling, gardening, golfing and fishing."

RALPH L. GRAVES is enjoying retirement in Bemidji, Minnesota.

ARTHUR L. HAWKINSON is retired and living in Eden Prairie, Minnesota.



RUSSELL W. JOHNSON who teaches at Bethel College lives on a 10 acre farm near Cambridge, Minnesota.

DONALD B. LYNCH is living in Pine Bluff, Arkansas, where he works for Joseph E. Seagram & Sons, Inc.

ROBERT W. MERZ writes: "retired from my job as Asst. Director at the NCFES after 38 years of enjoyable years with the U.S. Forest Service. My wife and I are building a summer home near Grand Marais, Minnesota, and that with numerous other activities keeps us busy all the time. Included are trips to the Chicago area where our three married children live."

NORMAN O. NELSON is retired and living in Park Falls, Wisconsin. He says: "Retired in January 1973 and after a long vacation in Arizona we moved to Park Falls, Wisconsin. Have had a number of good fishing and hunting trips and have enjoyed visits with our two daughters and families in Minnesota and our son in Colorado. Was good to see so many foresters at the Minnesota Retirees Picnic at Grand Rapids in August."

Harvest of '36

EARL ADAMS serves as Director of Forestry for the Department of Natural Resources, St. Paul, Minnesota.

GEORGE AMIDON sends us word from International Falls, Minnesota where in is Manager of Legislation and Government Relations for Boise Cascade Corp.

SIGURD J. COLGAARD is spending his semi-retirement in Brainerd, Minnesota. He writes: "Back at the public trough, I am working half time for the School of Forestry — research on mechanized logging and silviculture. Headquarters at Cloquet. Zig Zasada is the senior member of the team."



IRWIN H. JOHNSON is enjoying retirement in Ogden, Utah.

KARL G. KOBES is located in Albuquerque, New Mexico, where he is a Fish and Wildlife Biologist for Bureau of Sport Fisheries and Wildlife.

Harvest of '37

DR. AXEL L. ANDERSEN sends us word from Michigan State University where he is a Professor in the Department of Botany and Plant Pathology.

DWIGHT W. BENSEND writes to us from Ames, Iowa where he is a Professor in the Department of Forestry.

VINCENT W. BOUSQUET is Asst. Region Manager for Weyerhaeuser Company, Long View, Washington.

LAVIN T. HAGEN is President of Benchmark Systems, Inc. He writes: "The good Lord has been good again to us: Our company took on a new product line with national marketing rights; I have won a few golf tournaments which keep me alive; Betty and I joined friends in Spain earlier this year, now we look forward to holidays in Florida and Palm Springs. We plan to join thousands of Frank Kaufert's friends to honor him at his retirement banquet in June. We enjoy every Peavey — keep them coming !!

E. ARNOLD HANSON is retired and living in Missoula, Montana. He writes: "The nest is now empty. Our youngest son was married September 15. He is doing graduate work at the University of Montana. His bride will be an R.N. by next spring. Older son is an attorney with a local firm. Daughter and her husband are on Ball State faculty in Muncie, Indiana. We expect our 2nd and 3rd grandchildren by February 1. Have been heavily involved since 12/19/72 in business aspects of rebuilding our Presbyterian Church which was gutted by fire. Also have done some editing and consultant work with a couple local authors. Virginia and I enjoy golf immensely and indulge frequently, like every other day on the average. Retirement is wonderful."

RAYMOND A. JENSEN is an Associate Scientist. He resides in Cloquet, Minnesota.

THEODORE O. MYREN informed us that he has now completed 5 years of teaching at U. of Wis., River Falls, following 31 years with SCS. Son Dan (Minn. '62) is still with the Canadian Forest Service at Sault Ste Marie, son Jim lives at Eau Claire, Wisconsin. Florence and I are along now at our home in Baldwin, but manage to keep very busy.

SAM POIRIER is retired and living in Medford, Oregon. He writes: "In early spring traveled to So. Calif., Arizona and Nevada. Taught 6th graders "plants" at Outdoor School in April-May. Volunteered 2 days a week at Crater Lake N.P. during July and August as naturalist around Rim Drive — 3rd season. Toured New England states for seven weeks Sept. - Oct. w/stops in Colorado, Michigan, Virginia and Iowa en route. Son, Robert accountant San Francisco Jack Tar Hotel. Daughter, Sandra, reservationist Hughes Airwest airline, San Francisco."

JOHN S. RISS orders his Peavey from Arlington, Virginia.

C. FRANK SHEARER is Owner and Manager of Mauk Oregon Lumber Company in Eugene, Oregon. He writes: "Hi gang: As always I am delighted to know what you are going to keep the good old Peavey going strong for another year. Sorry to hear that Frank Kaufert is retiring but he is more than entitled to step off the firing line for a while to do some of the things which he would like to do but hasn't had the time for. All is well with our clan, the children are all pretty well scattered but we get to see them all occasionally including four grandchildren. We still enjoy Oregon but try to get out to sunnier and warmer climates during the Jan/Feb period. In spite of all the publicity we do like to have visitors out here in the Emerald Empire so the latch-string is always out for Minnesota grads at the old homestead. Best of luck on the new Peavey."

THOMAS A. SCHARDER is retired and living in Brainerd, Minnesota.

RICHARD C. SMITH is a Professor of Forestry at the University of Missouri, Columbia, MO.

F. MACRAE THOMSON is Vice President and General Manager for Peninsula Plywood Corp in Port Angeles, Washington. He writes: "Spent vacation during July at Big Lake, Near Cloquet. Visited Ray Jensen (my class) who heads the station. Climbed the fire tower in the grove of Norway Pine, which doesn't appear to have changed, nor the trees any larger. Only a fireplace left of the building I lived in. Always look forward to the Minnesota vacations, and hope we can be there June 3 for helping to honor Dean Kaufert."

YALE WEINSTEIN reports from Albuquerque, New Mexico, where he: "Welcomed arrival of first grandson Joshua Gabriel Rosenfeld on July 15,

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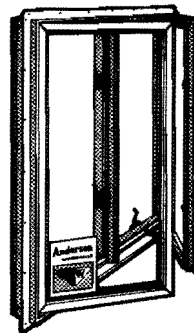
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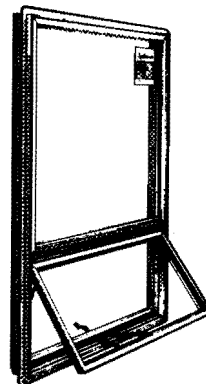
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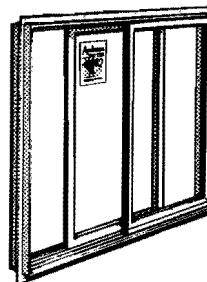
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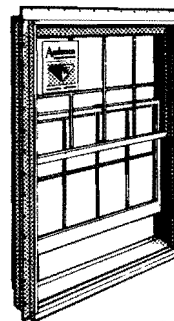
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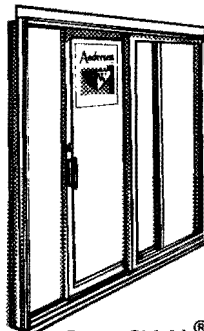


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46, 47, 49, 59

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47

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26, 28

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46, 47, 49

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51, 51T, 57

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1973. Keep hoping that work load would diminish so that we could spend more time in Telluride, Colorado, where daughter Jane lives. Problems of the environmental 70's keeps my nose to grindstone. Have had some very interesting visits with John G. Miles 1940 the past few months."

Harvest of '38

ALLEN R. BATESON orders his Peavey from Norris, Tennessee. He writes: "With 32 years of service to the TVA Forestry Division, I'm looking ahead to retirement in another year or so. 1973 was pretty good to us. Mrs. Bateson and I were blessed with our first grandchild on July 2 and our second on Oct. 10th, both girls. With four sons and daughters-in-laws, it was about time. Also satisfied a life long ambition and made a tour of Europe — 7 countries in 15 days. It was great."

JAMES A. BUSSEY writes to us from Ashland, Wisconsin, where he is a Soil Conservationist with the Soil Conservation Service.

CALVIN L. DELAITTRE Reports that: "After losing my wife in 1972, I have remarried and still living at 4637 White Oak Road, Minnetonka, Minnesota." Calvin is the Manager for "2100 Properties."

FRED E. DICKINSON who is the director of the Forest Products Lab, U. of California, at Richmond writes: "Doris and I attended the meeting of Division 5 (Forest Products) of the International Union of Forest Research Organizations (IUFRO) held in Cape Town and Pretoria, South Africa in late September and early October. In addition to eight days of technical sessions and general meetings there were two extended field trips in which we saw some very interesting parts of the country including the Kruger National Park where we hunted big game with our cameras. There were approximately 120 delegates in attendance representing 20 countries other than South Africa. I presented a paper on "Education for Forest Products Research". A meeting of the International Academy of Wood Science, of which I am currently president was held in conjunction with the IUFRO meeting.

We took advantage of the occasion to make a round-the-world trip, stopping at Hawaii; Fiji; Christchurch, New Zealand; Sidney, Melbourne, and Perth, Australia; Mauritania; Ghana; Ivory Coast; and Switzerland. We saw a number of forest products plants, particularly sawmills, in both South Africa and the Ivory Coast."

CARL R. DIÖN Writes: "Dear Peavey Staff: I hear from Guy Hawkins (38) occasionally who is now retired and lives in Arizona. I've been attending the So. Puget Sound SAF meetings this winter but Minnesota alumni are scarce there. The city of Seattle is now in its 5th year of street tree planting at the rate of over 2,000 trees a year. The costs of planting and staking the average 2" x 14 ft. tall tree is near \$100.00 each but associated sidewalk and curb improvements plus shrub plantings more than double the tree costs. My daughter is now (I hope) safely past the hippie scene and finally has a steady job in a hospital business office. I am active in 3 singles clubs including the Widows and Widowers, and just started my weekend hiking trip at the Skagit Game Refuge yesterday afternoon. The snow geese formation flying was superb."

WILLIAM J. EMERSON retired in 1972 from the USFS and is living in Milwaukee, Wisconsin.

DR. PHILIP C. HAMM is a Research Manager for Monsanto Co., St. Louis, Missouri.

DAVID B. KING is living in St. Paul, Minnesota, where he is retired.

KERMIT W. MILLER passed away Aug. 19, 1973 at the Coeur d'Alene Idaho hospital after an extended illness. He left his wife Frances in Sandpoint, two daughters Sally Sue Waltman, Pocatello, Linda Lea Hunt, Sandpoint and one son Jay Miller, Moscow.

ALVIN E. NELSON is with the Department of Natural Resources in Madison, Wisconsin.

ED SEDLECEK is a Resident Manager for St. Regis in Tacoma, WA.



ALVAN C. STEARNS is Vice President and Manager of the Kohala Corporation in Hawi, Hawaii.

PERRY E. SKARRA is retired and living in Vista, California.

RAYMOND J. WOOD is the Corporate Chief Forester for Diamond Int'l Corp. in Old Town, Maine.

Harvest of '39

GEORGE H. BOYESEN sends us word from Princeville, Oregon where he is a district ranger in the Ochoco National Forest.

JOHN J. CONNORS writes to us from Mercer Island, Washington, where he is with the Simpson Timber Company.

GEORGE E.M. GUSTAFSON writes to us from Anchorage, Alaska. He says: "No comment on the role of forestry in the energy crisis."

LOUIS B. HOELSCHER writes to us from Tacoma where he is the manager of the Safety and Health Department for the Weyerhaeuser Company.

RICHARD D. HULTENGREN is with the Department of Natural Resources in St. Paul, Minnesota.

PHILIP L. HUNTLEY is a Financial Manager for Kimberly Clark Corp., Norway, Michigan.

CHAS. E. HUTCHINSON orders his Peavey from Sacramento, California.

HERBERT G. JOHNSON is an Extension Plant Pathologist, Department of Plant Pathology, University of Minnesota.

JOHN L. KERNICK writes to us from Duluth, Minnesota where he is Staff Forester in the Superior National Forest.

GOODMAN K. LARSON Reports that: "Retired in March after 33 years of Government Service. Now have time for an annual fishing trip to Canada, and to spend more time on my farm in Western Minnesota raising corn, wheat, and beef cattle. I continue to plant several hundred trees each spring and further develop the farm to improve habitat for fish and wildlife. Made a trip to Norway last August; went fishing with a relative on one of Norway's beautiful Fjords; identified 85 species of birds, and picked wild lingonberries and blueberries growing everywhere on the forest floor."

JOHN R. McGUIRE is with the U.S. Forest Service in Washington, D.C.

THOMAS H. OHL is enjoying his retirement in Albuquerque, New Mexico.

OLAF C. OLSON is a Soil Scientist for the U.S. Forest Service in Washington D.C.

VINCENT N. OLSON is an Area Manager for the U.S. Forest Service in Sitka, Alaska. He writes: "Your '73 edition of the Peavy was excellent. Keep up the good work. Moved from Juneau to Sitka in July. Enjoy the milder weather. Family same — no change."

HOWARD A. POST sends us word from Falls Church, VA. He says: "Very little change in job except to face paper shortages caused primarily by price controls. Four boys are doing great. Philip — Air Force at Anchorage, Alaska with two children, and wife, Doloras, is there now helping w/new baby girl. Stephen and Meg in Navy at Long Beach. Bill is in Navy ROTC at U of VA, and Peter is a fine gymnast and Sr. at JEB Stuart High 2 blocks from house."

KEN W. SACKETT works as an agent for New England Mutual Life in St. Paul, MN. He writes: "Recently retired from U.S. Army Reserve after 31+ years of service. Older daughter graduated from medical school (U. of M.) and is interning in Pediatrics at St. Paul Ramsey Hospital. Younger daughter has completed internship and registry as Medical Technologist and is also at St. Paul Ramsey. Keep up the good work on the Peavy & Alumni news!"

CARL B. SCHOLBERG works as a District Ranger with the USFS in Sierraville, California.

FRANK E. TUCKER sends us word from Arcata, CA.

DAVID B. VESALL is a Deputy Director, Minnesota Div. Game and Fish.

ALDEN L. WUOLTEE lives at Mill Valley, California, and is a forester with the USFS in San Francisco.

Harvest of '40

ELDON A. BEHR continues with the Department of Forestry, Michigan State University. He writes: "I am now the editor of the MSU Forester and can sympathize with the Gopher Peavey Staff, especially in soliciting Alumni News. Old grads like to read about their classmates so please solicit news for the editor of the Peavey among your fellow workers who went to Minn. Forestry School. Our son is a 2nd Lt. USAF in pilot training, the other about to graduate from Purdue and enter USN in pilot training. We saw Secretariate at Saratoga Race track last summer. One of my hobbies is picking winners at thorbored race tracks and hopefully making a profit (very difficult goal)."

CLARENCE B. BUCKMAN is the Deputy Commissioner, Department of Natural Resources, St. Paul, Minnesota.

GORDON R. CONDIT Writes: "I am still with Boise Cascade Corp. in Louisiana. In Sept., 1973, I was made a vice president of Boise Southern Company, Boise Cascade's joint enterprise with Southern National Resources of Birmingham, Alabama. My son, John Michael, became an M.D. in June, 1973, and is an intern at the University of Minnesota hospital in Minneapolis and St. Paul."

NORMAN H. CONRAD is retired and living in Waukesha, Wisconsin.

CLARENCE T. EGGEN is with the USDI Bureau of Indian Affairs, Minneapolis, Minnesota.

DON N. GREGG is a Realty Specialist for the Bureau of Sport Fisheries and Wildlife at Fort Snelling, Minnesota.

ROSS HANSON is Flyway Biologist, Bureau of Sport Fisheries and Wildlife, Ft. Snelling, Twin Cities, Minnesota. He writes: "Classmates are retiring from career government jobs and their families are progressing into the second generation. No change in my status, except I don't feel old enough to retire yet so don't think I will. Another good reason is that I have one daughter to put through college, and that means at least four more years keeping track of the ducks. Besides I still enjoy doing the work and can still get up every morning and look forward to another day, that seems to always bring on something new and interesting. Keep up the good work — My best regards."

ROBERT G. HELGESON Sends us word from Tacona, Washington. He writes: "This past summer I was promoted to the position of Manager — Forestry, Tacoma Operations, Lumber Plywood and Door Division, St. Regis Paper Company. It is a very interesting challenge after many years of work in Land and Tax Administration. Congratulations on another outstanding Peavey last spring."

VIRGIL O. HOGDAL is living in Anoka, Minnesota

RICHARD L. KNOX is Assistant Director, Cooperative Forestry for USDA Forest Service, Washington, D.C. He writes: "The major events in the Knox family in 1973 were a new granddaughter (#2) and a 7200 mile tour of the West in our new Oldsmobile. We spent 4 days in Vail, Colorado and a week in San Diego visiting daughter Jennifer. Saw all the usual sights. Most impressed with Los Vegas (2 nights), San Simeon and the Big Sur, and the Salt Lake City environment."

JAMES H. MICHELS orders his Peavey from Susanville, California.

JOHN G. MILES is president of Natural Resources Management Corporation. He writes: "Still busy with NRW — projects include setting up sawmill and logging operations in Peru, type-mapping 3,000,000 acres in Alaska, finding insect outbreaks with NASA satellite imagery, a \$121,000,000 lawsuit in the U.S. Court of Claims — and, of course, managing tree farms, woodlots, and industrial forest properties here in Humboldt County."

RALPH K. NELSON works for Blandin Wood Products Company in Grand Rapids, Minnesota, as a Plant Superintendent.

GEORGE E. OLSON sends us word from Midland, Michigan where he is employed by Dow Chemical Company.

MAURICE J. STEENSLAND reports to us from Dothan, Alabama, where he is a Regional Forester and Regional Land Surveyor. He writes: "My wife, Claire and I still live in Dothan, Alabama. We have 2 grown boys ages 24 and 27 and 1 grandchild."

FRANK USENIK sends us word from St. Paul, Minnesota.

WILLARD E. WEST is Supervisor of Land Acquisition & Exchange Section with Bureau of Lands, Minnesota DNR, St. Paul.

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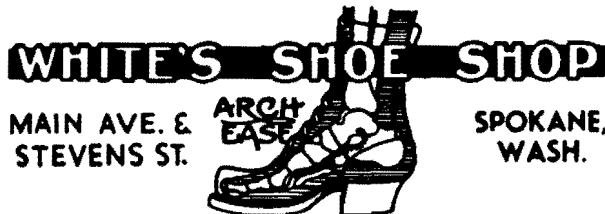
Our company's environmental efforts and the challenges we face are detailed in a booklet titled "Blandin's Environmental Report."

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Myles W. Reif, Myles Reif, President

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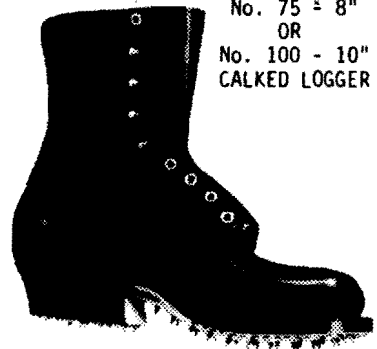


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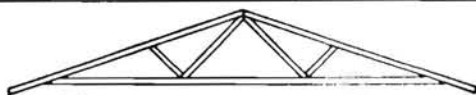


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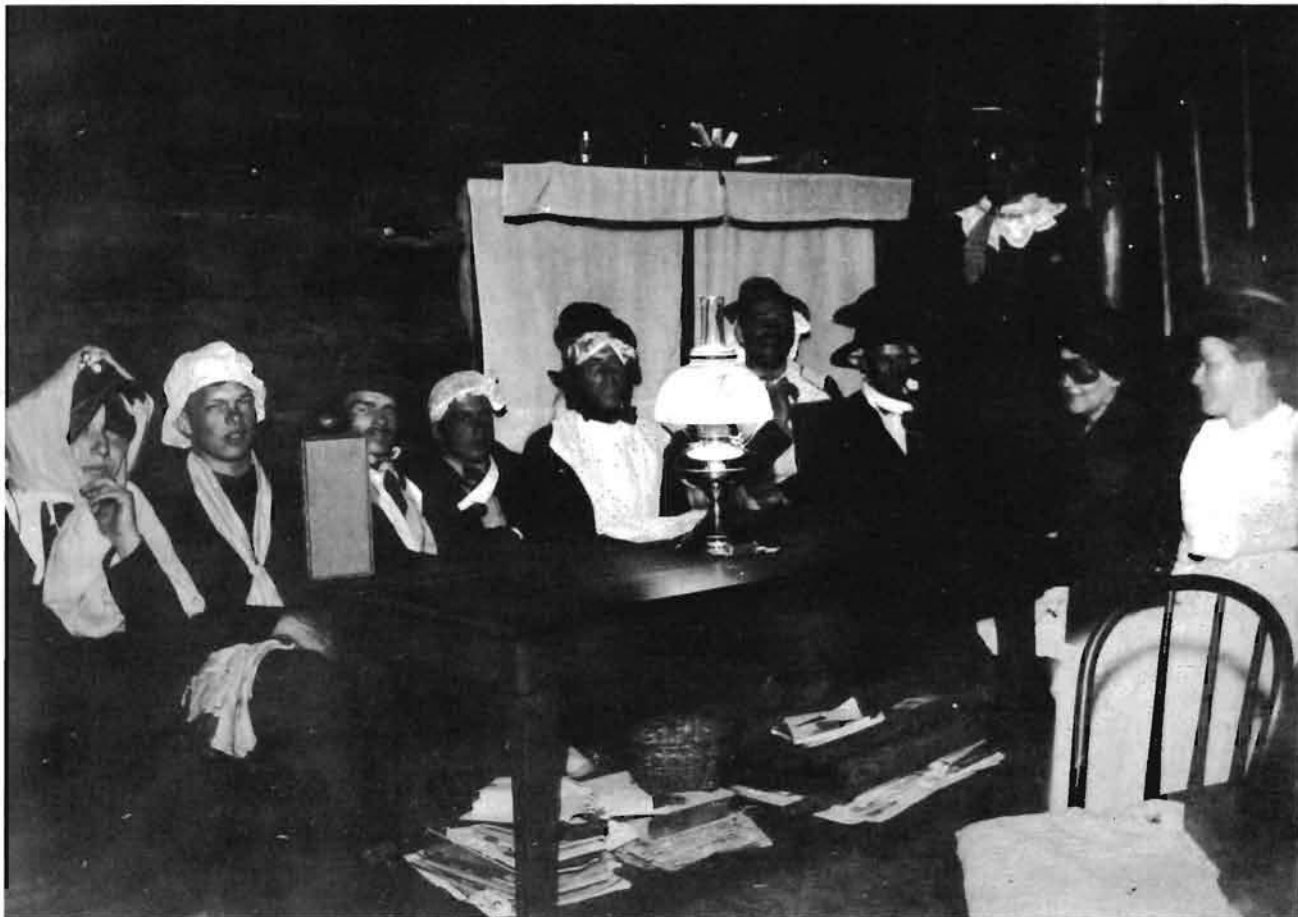
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Harvest of '41

MORRIS R. BLACKBURN is retired and living in Bemidji.

AUGUST E. BLOCK reports to us from White Cloud, Michigan where he is with the U.S. Forest Service. He says: "I enjoyed visiting with many of the Minnesota "grads" at the national SAF meeting in Portland. Good luck with this year's Peavey."

R. WILLIAM HOSFIELD is living in White Bear Lake, Minnesota.

M. J. "MIKE" LATIMER writes to us from Grand Rapids, Minnesota where he is Director of Public Affairs for Blandin Paper Company. He writes: "New job July 1st. Went on a trip west in late September. Visited Howard "Duke" Johnson, Class of '40 in Seattle. Also talked to Dick Helgeson. On return trip visited George Boyeson at Prineville, Oregon and Bob Morley at Lincoln, Nebraska."

HOWARD B. OSMUNDSON is a real estate appraiser for the Bureau of Indian Affairs in Billings, Montana. He writes: "Had a nice surprise this fall when Mike and Winnie Latimer stopped by enroute to the Coast. We seem to be out of the main stream of Minnesota forecasters, but with a little luck, maybe we can inject ourselves into that stream in June of '74 in St. Paul."

TOM PARTRIDGE is a clerk for Wood Shed Lumber Company, Newton, Iowa. He writes: "After an absence of 14 years, I'm back in the retail lumber business; though I am with a new firm, I feel like I have returned home."

SEDGWICK C. ROGERS works as a Research Chemist for Kimberly Clark Corp, in Neenah, Wisconsin.

JOHN WISHART is the manager of G-P Crossett Forestry Division in Crossett, Arkansas.

NORBERT A. ZAMOR is a Senior Engineer for Western Electric Company.

Harvest of '42

JOSEPH M. APP is a District Ranger, U.S. Forest Service — in Two Harbors, Minnesota.

ARTHUR L. JANURA is General Superintendent, Forest Preserve Dist. of Cook County, Illinois. He writes: "The Forest Preserve District of Cook County was host to 25 million visitors in 1973, and the District's holdings now comprise 63,991 acres. This is optimum forest recreation."

Harvest of '43

HARVEY E. DJERF is a science teacher for Golden Valley Schools. He writes: "I have a new boss — only for summers. Jerry Jensen (1960) is chief of Interpretive Services Department of Natural Resources and I am one of his park naturalists. Have spent the past 12 summers at Gooseberry Falls St. Park. Rest of year I teach Science at Golden Valley Middle School. See Dick Marden (47) summers at Duluth and Bob Nelsen (43) stops in on his way to Canadian fishing waters. Hate to lose "Doc" Kaufert. — he is going to be a hard man to replace."

DAVID W. FRENCH is a Professor in the Department of Plant Pathology, University of Minnesota.

GORDON C. MAXSON writes: "Have moved to Oakland. Have 9 horses in front yard. Am skiing at Tahoe when gas permits. Youngest daughter ready for college in the fall."

ROBERT F. NELSON orders his Peavey from St. Paul, Minnesota.

Harvest of '46

D. A. BOLLINGER resides in Townsend, Montana where he is a retired consulting forester. He writes: "I have been retired for two years, but act as consultant to company from which I retired." "Most of Margaret and my spare time is spent fishing, boating, going to Indian Pow Wows, (I am an adopted Crow Indian). Went salmon fishing in Westport, Washington, caught 6 nice salmon. Good Luck to all!"

Harvest of '47

GLENN H. DEITSCHMAN writes to us from Moscow, Idaho, where he is a Research Forester at the Intermountain Forest and Range Experiment Station.

The American forest still belongs to the American people.

And to a *lot* of people.

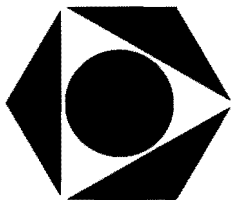
To begin with, four million individual Americans own 39% of the entire forest—a forest that's still nearly three-fourths as large as it was when Columbus landed.

Then, too, *everybody* shares ownership in that 19% of the forest owned by federal and state governments which supplies so much of the raw material for building our houses and cities and making our paper products.

And when you add the 17 million acres of forestland that's been set aside for parks and wilderness areas, and the government land not suitable for growing commercial trees, the American people—individually or collectively—own 91% of America's 753 million acres of forest.

So if the forest industries seem to own more than their 9%, it's probably because with responsible, scientific management they've been able to make this 9% produce 26% of all the raw material we need for today's wood and paper products, and still keep America green—and growing.

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CHARLESTON, S. C.—Chas. D. Carr, Esq.

RUSSELL V. JONGEWAARD reports to us from Little Falls, Minnesota, where he is a District Conservationist. He writes: "I just returned on October 20 from a 3 month assignment in the country of Bulgaria. I served as a Soil and water conservation consultant with FAO (Food and Agriculture Organization) of the United Nations. Bulgaria has developed a very good and modern agricultural industry but have encountered some serious soil erosion problems. My wife and youngest son Joel (16) accompanied me to Sogia via Rome and then spent 6 weeks in Vienna with our daughter Martha, who works there with Baptist Mid Missions. I spent a month, after my 3 months in Bulgaria, in Austria, Germany and Holland visiting my daughter and other friends and observing Western Europe's agriculture and forestry practices. My oldest son Steve (25) is teaching school in Belo Horizonte, Brazil, and my other son Peter (22) is doing commercial fishing out of Duluth. Best regards to Dr. Kaugert and his staff and to the Peavy staff."

LYNN SANDBERG writes to us from Rapid River, Michigan where he is General Manager — Wood-Lands for the Mead Corp.

BOB WOOD is a Supt. at 3M Co. Chemolite Plant in St. Paul.

JOHN A. ZIVNUSKY is Dean, School of Forestry and Conservation at the University of California in Berkeley.

Harvest of '48

CLIFFORD E. AHLGREN reports to us from Duluth, Minnesota where he is Director of Research for the Wilderness Research Foundation.

JOSEPH CHERY is a Wood Technologist with the U.S. Forest Products Lab in Madison, Wisconsin. He says: "Family is fine — oldest boy will start college next year. Still in particleboard research and last year was spent primarily working with aspen. Hope to see you June 3."

PAUL E. COLLINS is an Associate Professor in the Department of Horticulture and Forestry, South Dakota State University. He writes: "Our oldest, Patricia, graduated from Univ. of South Dakota (Vermillion) December 1973. Son, Michael, began his college education this fall at SDSU. The old folks are in good health, busy with work, church and service club activities."

ROBERT S. JORGENSON is a land appraiser living in St. Paul, Minnesota. He says: "Having a great time since I left the Bureau of Sport Fisheries and Wildlife in February 1972. I do contract appraisal work in the summer and manage my Christmas tree business in the fall. Wife and I took a trip to Hawaii in February and to Europe in August so we find time for fun too. I still enjoy the alumni banquets and seldom miss one."

J. M. KITTELSON is employed with the International Paper Company as Assistant Director — Woodlands. He resides in Wayne, New Jersey.

JAMES M. LINNE is a Natural Resource Manager — USDI — BLM, in Washington, D.C.

EDWARD J. PLANTE works for U.S. Plywood Corp. in St. Paul, MN.

ROD SCHUMACHER is an Executive Sales Representative for Masonite Corporation in Bloomington, MN.

THOMAS A. THOMPSON is an Operations Manager for Owens-Illinois Inc. in Tomahawk, Wisconsin.

Harvest of '49

FRANK J. CULOTTA sends us word from Racine, Wisconsin.

DONALD W. GRIMM writes to us from Rochester, Minnesota where he is Assistant Fire Chief.

PAUL M. HAACK writes to us from Ann Arbor, Michigan where he is a Laboratory Biometrician for U.S. Bureau of Sport Fisheries and Wildlife. He says: "After many wonderful years with the U.S. Forest Service in Michigan, Alaska, and Oregon, I transferred to the U.S. Fish and Wildlife Service as biometrician for the Great Lakes Fishery Laboratory in Ann Arbor, Michigan in 1969. Keep up on forestry especially through the Midwest Forest Mensurationist Group of the SAF."

JOHN F. HALL lives in St. Paul, Minnesota where he is a Shaklee Supervisor.



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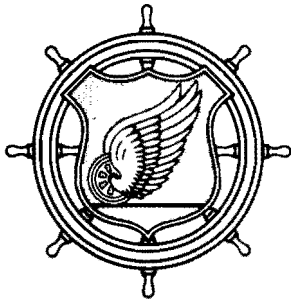


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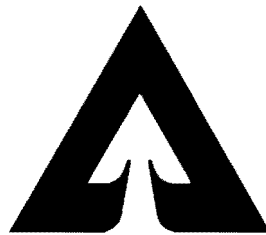
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ALVIN R. HALLGREN "Still working with some pretty nice people at keeping this a top College of Forestry. Wife, Dorothy, and I spent 3 weeks in Morocco visiting our son, Steve, who is there with the Peace Corps. After finding he had survived there quite well for 2 years without us, we had a fabulous time seeing Morocco. It helps to have a knowledgeable guide such as Steve was. Morocco is a land of contrasts, both ecological and socially. We recommend it highly. Hope you can all be here for the shindig on June 3."

MERDITH B. INGHAM writes to us from Atlanta, Georgia, where he is with the Department of the Interior, National Park Service.

FRANK D. IRVING is with the College of Forestry, University of Minnesota.

HOWARD B. JOHNSON is living in Minneapolis, Minnesota, where he is a Data Processing Systems Engineer.

DAYTON LARSEN sends us words from Duluth, Minnesota, where he is an Area Extension Agent.

MERLE P. MEYER sends us word from St. Paul, Minnesota where he is a Professor at the College of Forestry.

WILLIAM R. MILES is the Extension Forester, University of Minnesota.

RICHARD NEWMAN is a Regional Manager for Georgia-Pacific in Franklin Park, Illinois.

RICHARD A. REINARZ is Chief — Community Programs, Farmers Home Adm. — U.S. Dept. of Agriculture, St. Paul, Minnesota.

DARRELL F. RUSS works in the Great Mountain Forest at Norfolk, Connecticut. He writes: "Elaine and I celebrated our 20th Anniversary with a forestry and sightseeing tour of West Germany, Austria, Switzerland and France. Excellent land use and intensive forest management, particularly in Germany."

RICHARD E. SCHROEDER is a Staff Forester with the Bureau of Land Management in Portland, Oregon.

Harvest of '50

WILLIAM AULTFATHER reports from St. Paul, Minnesota, where he is the Associate Regional Supervisor-Land Management for the U. S. Fish and Wildlife Service.

JOHN BESSE writes from Escanaba, Michigan. He is presently employed with Northern Michigan Spliced Veneers Inc.

EDWARD M. CHRISTIANSON sends us word from Wabeno, Wisconsin where he is a Reservation Forester.

ANTHONY G. GRUBA sends us word from Portland, Oregon. He says: "Enjoyed seeing a good group at the S.A.F. breakfast — Wish I could be back in June for Doc Kaufert's day — No change in job or family status."

JOHN HAMILTON is a Forest Technician Instructor at Lassen College, Susanville, California. He writes: "No changes at the Hamiltons other than one year of the normal hectic life for my wife, Florence, putting up with 5 men in the house. Next year son Mark will be in College (he's actually in a couple of classes now while still in H.S.) and 3 will be in High School. We still are waiting for you wandering foresters to stop in and say Hi. In noting Dean Kaufert's forthcoming retirement, I'd like to add my own personal thank you for the many times he has personally helped me — both professionally and otherwise. I know the school will continue to grow and prosper under new leadership, but for us "oldtimers" it will never be the same without "Doc" Kaufert being there."

WAYNE HANSON sends us word from White Bear Lake where he is a Staff Forester, for the Minnesota Department of Natural Resources.

MELVIN S. HAUGEN is a Sales Manager for U.S. Plywood in St. Paul, Minnesota.

RUSSELL LUKKARILA is a District Road Engineer for St. Louis County. He is living in Chisholm, Minnesota.

JERALD A. MORTENSEN reports to us from Minneapolis, Minnesota.

PAUL C. ROEBER sends us word from Idabel, Oklahoma.

RICHARD A. SKOK is Associate Dean at the College of Forestry, University of Minnesota.

WINSTON SWANSON writes to us from San Carlos, California.

ROBERT B. WALLIN writes: "1973 was a banner year for the plywood industry in general and we have managed to get our share of the pie. We just hired Dale Blomberg '73 as a welcome addition to our sales staff which means we now have eight (8) U of M Forestry grads on our St. Paul staff. Oldest son Craig (23) due out of the Army in June '74 after three years in Germany, Kate (21) Barat College, Mary Ellen (15) now a young lady and Joe (13) a real Viking and lives to ski winter and summer."

W. B. WALLIN orders his Peavey from Princeton, West Virginia.

Harvest of '51

CHARLES G. ANDERSON sends us word from Rhinelander, Wisconsin where he is employed by Fire, Recreation and Lands Staff in the Nicolet National Forest.

DONALD P. DUNCAN contacted us from Columbia, Missouri, where he is Director, School of Forestry, Fisheries and Wildlife University of Missouri.

ARLEN JOSEPH ERICKSON orders his Peavey from St. Paul, Minnesota.

WILLIAM PLOYRDE is a Forester for the USDA — Forest Service. He is residing in Lakewood, Colorado.

ROBERT L. PRAUSA works for the USFS in Milwaukee, Wisconsin.

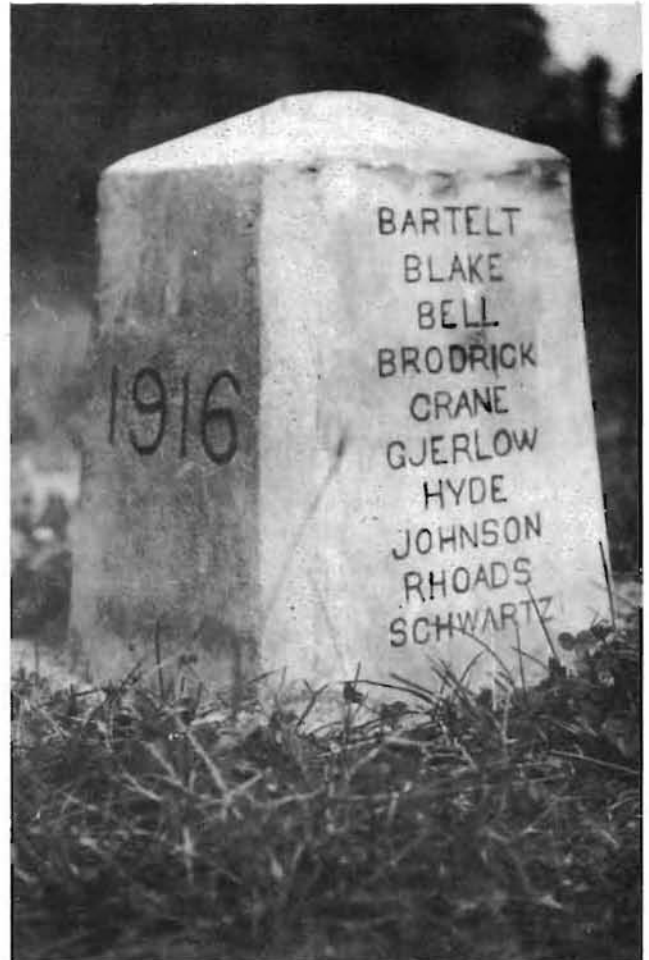
ROLANDE. SCHOENIKE is an Associate Professor at Clemson University.

G. K. SEED works as a Production Manager, Woodlands for The Great Lakes Paper Company in Thunder Bay, Ontario

EUERT B. WICKSTROM is a Forester with the Bureau of Indian Affairs in Bemidji.

Harvest of '52

GERALD W. ANDERSON is a Forest Pathologist at the North Central Forest Experiment Station, St. Paul, Minnesota.



JOHN H. BENSON reports from Minneapolis, Minnesota where he is employed with the Youngblood Lbr. Company.

BRUCE A. BROWN is Director of the Cloquet Forestry Center.

WILLIAM W. HAMLIN is Assistant Logging Superintendent for Owens - Illinois, Inc.

PHILIP A. HEYN sends us word from Portland, Oregon.

DENNIS J. JOHNSON is Vice President in Purchasing at the Metropolitan Lumber Company in Oak Brook, Illinois.

KENNETH J. JOHNSON is President of K. J. Johnson Construction Company. He writes: "Family and business doing fine. My congratulations to Dr. Frank Kaufert for the fine job he has done through the years. I hope he enjoys his retirement as much as I know he enjoyed his job."

JAMES MOHLER is a Timber-Wildlife Staff Officer for the USFS Escanaba, Michigan. He writes: "We're all fine! The kids are healthy and happy in Escanaba. The "baby" Kathryn, started kindergarten this fall — I feel a little older, Joyce had some oral surgery last summer. That meant several trips to Green Bay, Wisc. Jennifer also had surgery to remove a growth from her throat. Craig, 14, got his first buck this fall — 8 points, 175#. I spent a week on the Pilliken Fire in California last September, Busy, busy, busy!"

RICHARD D. MUNDINGER is living in Sherwood, Oregon. He writes: "I am still the Contracting Officer and Chief of the Division of Contracting and General Services for the Western Region of the Bureau of Sport Fisheries and Wildlife in Portland, Oregon and enjoying living in the beautiful Pacific Northwest."

JOHN F. PERRY works as a General Manager for Dura Supreme, Inc. He writes: "Our company manufactures all wood, prefinished kitchen cabinetry. This has been a very difficult year to keep a consistent supply of both solid hardwood and plywood components. Substitutions of other grades & species has been necessary. Minn. - Wisc. Aspen is being used more and more but this too is in short supply in the high grades. Plastic, vinyl, polystyrene and other "synthetic woods" are coming out to the market at an increasing rate but the demand for our all wood cabinetry is stronger than ever — WOOD IS BEAUTIFUL!"

DON SCHMIEGE is living in Juneau, Alaska. He is Program Leader in the Forestry Sciences, Lab, U.S. Forest Service. He writes: "Not much new since last year in the family except our oldest daughter (Cindy) is now a College Freshman at the Univ. of Minnesota — of all places. Still trying to get added support for research on fish and wildlife and timber harvesting here in Alaska. As usual, there is much more money to do things such as harvest timber than there is to learn how to do things right."

DAROLD D. WESTERBERG reports from Fairfax Virginia, that: "Time goes by quickly — we have started our second year here in the Nation's Capitol. There are a large number of Minnesota folks located in the area, private industry as well as government employees. Competition for hunting space is keen. Greetings to everyone in Green Hall."

Harvest of '53

DAVID S. CROSS reports to us from Ft. Meyers, Florida where he is Manager for Hunnicutt and Assoc., Inc. He says: "1973 was quite a year for me. I hope they don't come like that very often. It marked the end of twenty years of marriage as Dorothy and I split up. Accepted a new job with a large southeastern real estate appraisal and consulting firm. In the process I moved to Florida after being a #1 fan for Minnesota all my life. At Superbowl time I was torn but went with the Vikings. It was that kind of year!"

DONALD D. FERGUSON does consulting and other forest related activities. He resides in Two Harbors, Minnesota.

LANSIN HAMILTON is President of Northern Timber Company, Aitkin, Minnesota. He informs us that: "1973 and 1974 will be big years for our operation at Aitkin. We gained approval of our modified stud mill by the Apache Corp. Board of Directors in August, 1973. We began construction on the million dollar project immediately and are well along at this time (November). We expect to start up in April or May, 1974. Usage will be about 30,000 cords of mixed species annually. Will provide the opportunity for the first time to optimize forest management in Crow Wing and Aitkin counties. Our acquisition by Apache and developments in the lumber area provided the opportunity for this expansion in our operations. The coverage in Jim Kimball's column was very good and resulted in letters from forest and land owners and young foresters. Unfortunately we do not contemplate adding any foresters at this time. Regards to all."

WILLIAM R. MAGNUSON writes to us from Huson, Montana, where he is a District Ranger — Ninemile Ranger Station.

LEWIS A. NICHOLSON is with the U.S.F.S. in Portland, Oregon.

JAMES C. OBERG works as a Laminated & Hardwood Product Manager for Weyerhaeuser Company in Tacoma, Washington. He writes: "My wife Mary and our two sons and two daughters are healthy and happy. Mary is back in college getting her teaching degree, and David, our eldest, started college at Washington in Seattle this fall. (gosh, has it been that long since I graduated?)"

ROBERT A. PERSKE works as a Fire Staff Officer in the Umpqua National Forest in Roseburg, Oregon.

HOWARD W. VENNERS is an Inspector for Western Electric Company in Indianapolis, Indiana. He writes: "Our family has been busy again this past year with the kids' activities, wife's meetings and my promotion to Zone Chairman with the Lions Org. Our summer vacation included a camping trip to Florida and the Lion's International Convention. We hope to attend Frank's retirement next summer and visit with friends."

Harvest of '54

JERRY ANGIER writes from Lake City, Minnesota, where he is employed by United Farm Agency. Says he has settled in Southern Minnesota after too many years on the Iron Range. He specializes in farm and country property real estate sales work, primarily in Wabasha and Goodhue County. Continue to run across Forestry grads in the area as neighbors and customers.

HARLAN G. FREEMAN reports to us from Seattle, Washington, where he is employed by the Weyerhaeuser Company.

OTIS F. HALL is living in Blacksburg, Virginia. He writes: "At the end of this school year I will leave New Hampshire and move to Virginia Polytech Institute, where I will be Head of the Department of Forestry and Forest Products. VPI is subdividing their Division of Forestry and Wildlife into two departments, Forestry is one, Wildlife is the other."

DAVID A. KING is a Professor, Department of Watershed Management, University of Arizona, Tucson, Arizona. He writes: "Enjoyed visit in Green Hall this past summer and wish we could have seen more people. The Peavey gets better each year. Keep up the good work."

GARY M. SCHAEFER is a resident Manager for Boise Cascade, International Falls, Minnesota.

EUGENE TAVONATTI is a Policy Service Supervisor in Merced, California.

DENNIS WOOD at Bangor, Wisconsin, reports: "I'm getting a little confused as to whether I'm a wood worker or rancher — bought some more land (including quite a bit of timber) and some more beef cows. Been planting walnut and maple to try to balance off all the pine tree foresters but it's an uphill fight. See you June 3 for sure."

Harvest of '56

SIDNEY C. CARLSON, JR. is with the Boise Cascade Corp. at Portland, Oregon.

ROGER L. COFFMAN is an Estimator for Loeffel Engstrand Company. He is residing in Burnsville, Minnesota.

HERB ROSENBERG sends us word from Winthrop, Washington, where he is a Broker for North Cross State Realty.

Harvest of '57

DALE L. HARTMAN writes to us from Meeker, Colorado. He says: "I am still District Ranger at Meeker. Our oldest son Mike graduated from high school last spring. He is staying at home and working this winter and plans to enroll in Dunwoody in Minneapolis in fall of 1974 in electronics. We built a new home in Meeker in 1973. We did most of the work ourselves, so had a year of very hard work. We enjoyed it though, and are looking forward to spring when we can get out and do some more landscaping. We would like to get back for Dr. Kaufert's retirement but I don't believe we can get free at that time."

ROBERT L. HERBST is Commissioner of the Minnesota Natural Resources Development in St. Paul, Minnesota. He writes: "Good to see gang at campus — especially our good friend Ken Winsness. Have been over to lecture at Forestry and Wildlife classes occasionally. Enjoy the enthusiasm of students. Enjoy job and its demanding challenge in this era of the "Environment".

THEODORE L. HULLAR writes to us from Buffalo, New York where he is Associate Professor of Medicinal Chemistry at the State University of New York. He writes: "Am still at the same academic position as in past years. Extra-vocational activities continue as before and include chairmanship of the New York State Chapter of the Sierra Club, involvement in regional and national Sierra Club activities in the Land Use Committee, member of the advisory committee to the Commissioner of the NYS Department of Environmental Conservation, member of several environmental advisory boards in regional area and leader of several environmental planning efforts for energy and development patterns and for urban nature preserves. Also am teaching courses on environmental land use planning at the University of Buffalo."

TIMOTHY B. KNOPP is an Assistant Professor with the College of Forestry, University of Minnesota.

JOHN H. OHMAN is the Director at North Central Forest Experiment Station in St. Paul, Minnesota.

JAMES P. ROLES is a District Ranger for the U.S. Forest Service. He writes: "Our family left Minnesota last August for our first assignment out of the state. We're now down in the Ozarks enjoying a rather beautiful area but devoid of that wonderful white stuff. Best wishes to you Dr. Kaufert in your retirement years and greetings to our friends in the north country."

FLOYD D. RUDY is an Attorney in Cloquet, Minnesota.

DAVID B. SCHROEDER is Associate Professor of Plant Pathology at the University of Connecticut.

Harvest of '58

DENNIS O. BAKKE sends us word from St. Paul, Minnesota where he is employed by Caldwell Phillips, Inc. as a Security Salesman. He writes: "We are all fine and enjoying life. I am enjoying once again serving on the MFAA Board."

ROBERT ERICKSON is an Associate Professor at the College of Forestry, University of Minnesota. He informs us that: "The year of September 1, 1973 to September 1, 1974 is being spent on sabbatical at the Weyerhaeuser Co. Technical Center in Longview, Washington. I'm enjoying my work very much and the entire family finds the Pacific Northwest a fascinating area in which to live. However, we do miss Minnesota and shall be glad to return."

AXEL HANSEN sends us word from Webster, Wisconsin where he is enjoying retirement. He says: "Retired March 1st 1974, having sold my Gamble store. Expect to catch up on my fishing and hunting besides greatly expanding my flying activity in my 4 place Mooney aircraft."

FRED HOELZEL is a Realtor with Edina Realty, Inc.

NORMAN F. KOLLER ordered his Peavey from Sheffield, Pennsylvania, where he is a District Ranger in the Allegheny National Forest.

TED NISKANEN is an Economic Development Specialist for Governor's Office of Economic Opportunity. He writes: "Still spending some time in wood product utilization enjoying meeting the full timers on such matters."

CARL H. REIDEL is Director, Environmental Program at the University of Vermont. He writes: "We increasingly find Vermont a great place to live and work — Carl as Director of the University-wide Environmental Program, and Jean as Instructor of Home Economics. The rare mix of mountains, forests, farmland and lakes make this a wonderful environment, yet close enough to Boston, Montreal and the ocean for a variety of experiences. Our best wishes, and many thanks to Frank Kaufert as he retires. He can be damn proud of the fine College he has built!"

RICHARD W. SCHNEIDER is Executive Vice President for Blandin Woodlands, Inc. in Grand Rapids, MN.

Harvest of '59

ROBERT D. DRONEN is an Executive Director, Mpls. Housing Authorities.

WAYNE L. HEATH sends us word from Cincinnati, Ohio, where he is a Hydrologist at the River Forecast Center.

RICHARD M. HUFF sends us word from Denver, Colorado, where he is the Training Director, Bureau of Land Management, Colorado State College. He writes: "No changes — everybody getting older and hopefully wiser. Been in Denver with BLM 4 years now and hope to stay longer. Bill Torgerson and family stopped by in early October. See Gary Roam quite a

bit — Gary says he ran across Jerry Zamber in Alaska in early November. What a spread out bunch."

BENNETT R. OLSON orders his Peavey from Anchorage, Alaska.

GLEN PARK is a Horticulturist at the Chicago Botanic Garden in Glencoe, Illinois.

AL SCHACHT is Assistant Director — Area Planning and Development Division for the Forest Service in Washington, D.C.

DOUG SEASTROM reports to us from Miramonte, California. He says: "Have successfully completed the first year with my newly formed business — Resource Development. Specialize in road construction with logging and general land management being developed. This is a rugged business, but, with tremendous potential. I thoroughly enjoy the challenges. Family fine."

RICHARD C. TROCHLIL is a Lands Staff Officer for the U.S. Forest Service in Chequamegon National Forest in Park Falls, Wisconsin.

Harvest of '60

KENNETH W. ANDERSON who is employed as a Lands Assistant for the U.S.F.S. at Rutland, Vermont, writes: "Am starting my fourth year here in Vermont. No change in the family. We visited in Minn. briefly at Thanksgiving time. I have been working on purchasing land or easements on the Appalachian Trail for the last year and a half. Have broke the band now so not sure what the future will bring. If the funds were available, we could purchase several thousand acres in a short time."

JAMES K. BRAUN is a Research Forester with the Northern Forest Fire Laboratory, Missoula, Montana.

JAMES E. ERICKSON orders his Peavey from LaCrosse, Wisconsin.

DALE GORMAN is with the Forest Service — USDA.

MYRON GRAFSTROM writes to us from Bloomington, Minnesota. He says: "Teaching biology at Jefferson High School. Four children, Cheri, 13, Bart, 10, Paul, 8, John, 4."

W. G. HARTMAN is an Urban Planner with the Minneapolis Housing and Redevelopment Authorities. He is living in Maple Grove, Minnesota.

LEE W. HINDS contacts us from Bismarck, North Dakota, where he is a Manager for Lincoln-Oakes Nurseries. He writes: "Second son Gregory — Born 5-15-73. Now 3 girls and 2 boys. Greetings Ken. Best wishes to "Diamond Willow Kaufert" for a long and most distinguished career. The Big "U" has been very fortunate and should be honored to have had him as Dean."

WILLIAM W. KAUTH is an Area Forest Supervisor for Mosinee Paper Corp. in Grand Rapids, Minnesota.

FRITZ KOEPP is a Forestry and Water Rights Agent in Southern California, Edison County. He writes: "Our family is fine. Wife, Mary Ann, is teaching elementary school part-time this year, son Rob is 7, daughter Kris is 5. I'm active in local SAF chapter and section policy committees, among other activities. I hope that Dean Kaufert and his wife will enjoy fulfillment during retirement. As an undergraduate I appreciated Dr. Kaufert's warm "folksy" approach, his interest in undergraduate students and the understandability of his lectures. I also hope that by now more of teaching staff at the College of Forestry have learned from Dr. Kaufert's fine example."

VERNON E. OBERG sends us word from Butte Falls, Oregon.

BRIAN E. STOUT contacts us from Marienville, PA. He writes: "Married, two boys age 10 and 12. Stationed on Allegheny N.F. last 2 years. I am owner of "ARCTIC MIST KENNEL" racing Alaskan Huskies (14). Family participates in sport of sled dog racing in N.E. states, Great Lakes area and Ontario, Canada. Have been stationed on 8 N.F. since graduation."

L. C. SUDHEIMER writes to us from St. Paul, Minnesota.

Harvest of '61

JAMES A. BROWN reports to us from Leadville, Colorado.

GILBERT B. CHURCHILL is a District Ranger with the U.S. Forest Service in Green Mountain National Forest. He writes: "We are still living and working on the Green Mountain National Forest in Vermont. The big issues here seem to be Eastern Wilderness, power proposals, off road vehicles, and the

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demand for fuelwood. My wife Lucy, is convinced I am not yet a Vermonter. Despite the fact that Sugar Maple is the state tree here, the one I transplanted in our front yard sprouted white ash leaves. Maybe I should have studied harder in Dendrology! I visited Dan Nosker (62) in Washington D.C. this year. He is running the Acom Tree Service and Grants Nursery.

CAMERON FERWEDA is working in the Black Hills National Forest.

ROLAND GERTJEJANSEN is an Associate Professor for the College of Forestry, University of Minnesota.

LARRY HENSON resides in Russellville, Arkansas, where he works in the St. Francis National Forests as a Forest Supervisor. He writes: "Biggest news on the Ozark-St. Francis National Forests in 1973 was the dedication and opening of Blanchard Springs Caverns. This Caverns Complex, and associated interpretive facilities, rivals Mammoth and Carlsbad Caverns as a national recreation attraction. Come see the cave!"

RONALD D. LINDMARK is a Project Leader at North Central Experiment Station at Southern Illinois University. He writes: "Still involved with research and teaching at the North Central Forest Experiment Station and Southern Illinois University. As an ex-Peavey editor, I wish you all the best of luck in a very worthwhile undertaking."

CHARLES H. LOWERY writes to let us know that he is Director - Dakota County Parks and Recreation Department in Hastings, Minnesota.

RICHARD A. MADDEN, JR. is a resident logging engineer for Ketchikan Pulp Company, Ketchikan, Alaska. He resides in Thorne Bay, Alaska.

RICHARD M. PEDERSON writes to us from Duluth, Minnesota. He says: "Same title and same address as last year. Added minerals management to my area of responsibility last summer. We are expecting an addition to our family in April."

Harvest of '62

PHIL AUS writes from Washington, D.C. where he is with the Bureau of Sport Fisheries & Wildlife. He says: "June, the kids, and I are in the Washington, D.C. area for a ten-month stay. I'm a participant in the Department of Interior Manager Training Program. It's an interesting change but I of course miss Montana very much. A great many things to see and do here so we're trying hard to make a ten-month sightseeing trip out of the assignment. We'll be heading back west in June — exact location unknown at this time."

FINN KR. BREVIG writes from Norway.

WAYNE L. GIBSON sends us word from Superior, Wisconsin where he is Superintendent for Pattison State Park. He writes: Wife - Blanche; Son - Randy - 13; Son - Mitchell - 12; Son - Curtis - 11; Daughter - Diane - 8. The family enjoys living in the state park. As one of my neighbors says, "I wish my Dad had bought us a park when I was a kid!"

JAMES A. HASTINGS writes for us from Fergus Falls, Minnesota.

LARRY L. KIRKWOLD is a Land and Timber/Raw Material Planning Manager for Weyerhaeuser Company, Tacoma, Washington. He writes: "My family and I still live in Federal Way, Washington. Work with Weyerhaeuser continues to be very exciting. This year Dick Pierson, another Minnesota grad, joined the Land and Timber business in the company. The Pacific Northwest continues to be one of the greatest places in this country to live (reaffirmed after a trip back to Minnesota last July.)"

LAWRENCE R. REVIER is a farmer at Waubun, Minnesota. He writes: "Our Family, Michelle 3-1/2 and Michael 2 are fine, but cause some headache problems for their mother Joanne! Our farm has grown by another 250 acres additional rented land. It consists of 700 acres owned and 400 acres rented of which 900 acres of the total are tillable. We also run 100 stock cows and produce feeder pigs. It has been a good year with demand surpassing supply for a change and causing very favorable prices. We have a 40 acre oak and popple woodlot, too, which we may need for fuel yet if we run out of oil!"

TED SCHWENKER is a Construction Manager for the Sussel Company in St. Paul, Minnesota.

ROBERT H. STRAND is an Attorney at Law in Roswell, New Mexico. He writes: "Our family is enjoying the wonderful climate here in New Mexico. I enjoy my work as an attorney in private practice and the day by day challenges it provides."

GERALD N. ZAMBAR wends us word from Anchorage, Alaska.

Harvest of '63

RICHARD A. FIHN writes to us from Dalton, Minnesota. He says: "We now have a little girl to take care of. Lots of fun. We are still on the farm at Dalton. Have been a Jack-of-all trades and master-of-none this past year. Only Forestry grad I have been has seen Howard Knight. Hello to everyone and stop in if you are in the Dalton area. We are only a few miles off I-94."

DAVID H. HANSEN writes to us from Clarissa, Minnesota, where he owns the Hansen Lumber Company.

DARREL L. KENOPS sends us word from Sandpoint, Idaho. He writes: "It has been a busy year for the Kenops clan. We added a baby girl, Heidi, to our family this year. Also, it's been a very busy and rewarding year professionally. Successfully completed a continuing education program in Forest Ecology and Silviculture which resulted in obtaining certification as a Forest Service Silviculturist. Milo Larson also was in this program. Hugo John, Dave Thorud, George Blake and John Tappener were a few of the instructors. Enjoyed the Alumni breakfast at our SAF convention in Portland this fall. Currently working as a silviculturist on the Land Use Planning team out of Sandpoint Idaho. Looking forward to another excellent Gopher Peavey. Best Regards."

DR. PHILIP N. KNORR is a Professor of Forestry and Forester in the Ag. Exp. Station for the University of Arizona.

VILIS KURMIS is at the College of Forestry, University of Minnesota.

JAMES L. WHITNEY resides in Colgate, Wisconsin where he works in sales for MacGillis & Gibbs.

Harvest of '64

GILBERT H. FECHNER is a Professor of Forest Genetics at Colorado State University.

ROBERT HANCE, JR. writes to us from Willow River, Minnesota. He says: "Still with the Minnesota D.N.R. as Supt. of General Andrews Nursery. Enjoyed the visit to the Nursery by the Forestry Club last Spring. My wife and I continue to enjoy the country life here with our three sons now ages 4, 7, and 8."

GARY R. NORDSTROM is a Forester with the Soil Conservation Service, Seattle, Washington. He writes: "I was glad to see so many Minnesota alumni at the SAF Convention. If any of you are passing through the Seattle area please stop in and say hello. Sorry I missed seeing you this summer Ken."

RALPH H. OLSON is a consulting forester and land appraiser in Grand Rapids, Minnesota.

DAVID S. SCHREINER is with the U.S. Forest Service at Two Harbors, Minnesota. He writes: "Being close to Isle Royale, Bonnie and I backpacked the length of the island in August. Then in September, we traveled to Greece to see the ruins of the ancient civilizations. We saw few forests, but thousands of olive, lemon, and orange trees. The best part of the trip was a one-week cruise of the Aegean Sea. (Best wishes to Mr. and Mrs. Kaufert!)"

Harvest of '65

MR. JOHN T. ESCHLE is a Timber Management Assistant in the Hiawatha National Forest, Munising, Michigan. He writes: "My wife and I have added one more to the Eschle household; besides John Jr. we now have a girl, Julie Ann, who was born April 11, 1973." -

HERB GIEFER writes to us from Andover, New Jersey, where he is employed by Ralph Realty as a Sales Manager. He writes: "Hello to all my friends in Green Hall. Household population has stabilized at five, and I'm still selling real estate and waiting to get back into the friendly skies. Fly United!"

J. MICHAEL MORTENSSON is employed by the U.S. Forest Service, Monongahela National Forest in White Sulphur Springs, West Virginia.

RICHARD J. PETERSON is farming in Carpio, North Dakota. He writes: "The Peterson family now numbers four. I left the Minn. DNR for a life on the farm on November 9th, 1973. We are now farming at Carpio, North Dakota on a large cattle and grain farm. Rollie Geppert ('65) and wife Jackie visited us this fall. Rollie is working in Washington State's Dept. of Ecology."

RUSS RUBERTS works as a Senior Forester at Ironwood, Michigan. He writes: "Congratulations to the 1973 Peavey Staff — the book seems to get

better each year! We're still in Ironwood. Kora (will be 5 in Feb) will begin ski lessons this winter. Eric (4 in March) is going to be my rabbit hunting partner this winter. Suzanne will sit at home where it's nice and warm (68°). Hope to see many of you at the dinner for Dr. Kaufert."

BARRY W. WELCH works as Assistant Agency Forester for the Bureau of Indian Affairs in Ashland, Wisconsin. He writes: "Left Dave Thorud, Pete Ffolliott, and warm Arizona in January to accept a position with the Bureau of Indian Affairs in Ashland, Wisconsin. We have another daughter, that makes two and both girls, and that's enough. I have to go back to the University of Arizona and have my oral defence of my Masters Thesis. Hopefully I'll have it out of the way by June 1. Still enjoy the Peavey."

Harvest of '66

GARRY W. FRITS sends us word from Poplar Bluff, Missouri. He writes: "departed snowbelt of Michigan for the warmer climate of the banana belt of SE Mo. on 7/1/73. New addition to family — Jennifer Anne born 2/4/74. Several Minnesota Alumni working on adjacent Districts of the National Forests in Missouri. Had an opportunity to renew acquaintances with Dr. Duncan while at Timber-Wildlife Symposium at the University of Missouri. Would like to wish Dr. Kaufert the very best of luck upon his retirement — no one will ever be able to measure the vast accomplishments which he has made through his research and especially through those many students which he has guided and molded throughout his career. A career which I am sure will not end with his retirement."

THOMAS HOLTEN is a Forester for the United States Forest Service. He resides in Blairsden, California.

JACOB N. LICKE writes to us from Nevis, Minnesota. He is enjoying retirement. He is still maintaining active contact with U.S.F.S., Department of Natural Resources and County Lands Departments as a member of The State Land Exchange Review Board, State Regional Environmental Education Council and a number of Conservation and Environmental organizations including the Hubbard County Parks and Recreation Commission, "their Planning and Zoning Commission and their Board of Adjustment."

DAVID L. MILLER writes to us from Duluth, Minnesota. He says: "Dear Ken and Staff — was good to talk to you over Christmas vacation. Have had a

good year and hope you have too. Hope to see you at Dr. Kaufert's retirement party. Say hello to everyone for me."

Harvest of '67

TERRANCE AND CAROLYN COSTELLO write to us from Shoshone, Idaho. Terry is with the Bureau of Land Management as an Outdoor Recreation Planner. Carolyn writes: "Terry and I have a little 5 acre farm. Terry commutes 8 miles to work. He has an office in Shoshone and travels as far north as Sun Valley for his field work. I work on the "ranch" and care for daughter Eve, almost 2 yrs. old. Idaho's swell — fishing, hunting, skiing; you name it, we've got it! Phil Arnold is at Randlett, Utah. We see them often. Anybody in this territory, come for a visit!"

BJORN DAHL lives in Kirkwood, California. He is the Ski Area General Manager, for Kirkwood Meadows Inc.

LESLIE A. DARLING is a Water Resources Planner in Duluth, Minnesota. He reports: "Completed M.S. at Utah State University in June, 1973. Currently employed as Water Resources Planner for the Arrowhead Regional Development Commission in Duluth."

JON FOGELBERG writes to us from Hinckley, Minnesota. He says: "Still District Forester here in Hinckley!"

MARK J. GOEBL writes: "My wife and our three children are happily stationed at Willow Springs, Mo. on the Mark Twain National Forest. We have been here about 1-1/2 years and enjoy the Bana Belt climate. Teh District is fair sized and has many diverse features, including the North Fork River, sinkholes, and many natural springs. Although there is a lack of snow for our taste, the hills are beautiful and the Ozark Culture is very interesting. We camp all summer and enjoy the area of SW Missouri very much."

EUGENE KAREL is a Planner for the Minnesota State Planning Agency.

DR. MUHAMMAD AHSAN K. KHALIL writes to let us know: "We had another useful and enjoyable year with the Canadian Forestry Service at ST. John's, Newfoundland. My eldest son (M. Aslam Khalil, Ph.D. student in Physics at the University of Texas, Austin, Texas) was married this year to Miss Giti Aara Eshraghi, (also a Ph.D. student in Psychology at the same



university). Aslam is also an alumni of U.M. Everything is fine except the long distance from the alma mater and all of you and other friends and colleagues. Wish you all the best of the season and for the new year."

JOHN KOTAR reports to us from Duluth, Minnesota, where he is Assistant Professor in the Department of Biology, University of Minnesota.

JAMES R. LENNARTSON is a Refuse Forester in the Seney National Wildlife Refuge, Seney, Michigan. He writes: "Still at Seney enjoying wilderness living! Carmen and I visited Sweden this year. Never knew I had so many relatives. After seeing their forests I know now where my forestry blood came from."

MARTIN K. NELSON sends us word from Houghton Lake Heights, Michigan. He writes: "This year brought some changes. In October I was married to Ann Rahilly, and a month later I was transferred to Houghton Lake, Michigan as the Assistant Area Forester on the Houghton Lake State Forest."

LOWELL D. PETERSON works as a Forester for the USFS at Ely, Minnesota. He writes: "We've had a few changes since the last Peavey — a daughter Kristin Marie born in May, 1973. Still on the Superior, but have transferred to the Kawishiwi District."

HAROLD SCHOLTEN is Associate Professor at the College of Forestry at the University of Minnesota.

ED VLACH writes: "Still Asst. Area Forester at Wisconsin Rapids. Enjoying work as much as ever. Hope to see many grads in June."

DON WESTERMAN writes to us from Montgomery, Minnesota.

Harvest of '68

ERNEST E. ANDERSON writes to us from Irvine, California.



CARSON C. BERGLUND writes to us from Bemidji, where he is a District Forester — Minnesota DNR. He writes: "Judy, Earl (3 yrs) and I are still in Bemidji — Have been with state since January of '69, and enjoyed a variety of work experiences. We do see some of "the old gang" from time to time and cherish this more each year. Judy and I are expecting another little forester next spring. Should arrive in the middle of fire season. We did break away to Canada this summer on a down-the-road camping trip. Stopped in the Pas, Manitoba at Harvey Boyle's who gave us a good review of forestry in that part of the country. Gave moose hunting a try and we scored with a nice bull, and now we're looking forward to snow sports. In short, we've really enjoyed northwestern Minnesota."

GARY W. DAVIS is Assistant Air Traffic Controller with FAA Farmington, Minnesota. He writes: "Got out of the army in '72. Couldn't find employment in forestry so took a job with the Federal Aviation Administration as an assistant air traffic controller. Gary Fay a '70 grad is also out here. Took the big step August 24th this year and married a wonderful gal from my old home town. Moose was the best man. He is about to take the big step himself."

GREGORY P. ELSTAD reports to us from Boise, Idaho. He is a Forester in the U.S.F.S.

PAUL T. FUCHS is a Director of Management for the Minneapolis Housing and Redevelopment Authority.

WAYNE R. JEX writes: "I spend most of my time in Fairbanks or somewhere in Alaska within 500 miles of it. I work during the fire season for the BLM and don't work the rest of the year, when I spend a lot of time taking and developing pictures. I'm finally beginning to make a little money in photography and hope to make a living at it eventually. Last year I did the pictures for a children's book about a little girl's life in Alaska and a woman is writing it and getting it published. But meanwhile I make my money during 3-5 months of the summer. During 3 summers for the BLM I've done a lot of things, from fire station manager at Delta Junction and Eagle to being fire boss on a 1700 acre fire near the Seward Peninsula. Last year I was a flying lookout, riding in a twin-engine Cessna chasing thunderstorms over about 1/5 of the state. Just got back a few days ago from a month in Mexico where I took about 600 photos. Plan to take a few more trips like this in future winters, but intend to make Alaska my home base. Bought 1/2 interest in 2-1/4 acres near Fairbanks and plan to build a log house on it. I'll try to drop by the U and see you before I head back to Alaska, Ken."

CALVIN L. KEFF reports to us from Chemult, Oregon where he is a Forester. He writes: "It was good to see many friends and faculty at the SAF Nat'l Convention in Portland! Currently working in pre-sale at Chemult while Marilyn and I live in LaPine (she's a social worker in Bend) Lodgepole, ponderosa, fires, "pummie" dust, 12 feet of snow, yellow-jackets, beautiful Cascades ..."

JOHN R. MATHWEG is a District Forester, Guthrie District, Guthrie, Minnesota.

M. A. McFARLIN writes: "Currently I am serving my last year in Europe (Germany) as the Commanding Officer of a medium truck company located in Pirmasens Frg. I will be rotating to the States in November 1974 at which time I should be assigned to Ft. Eustus, Va. to attend the advanced transportation officers course. Myself, Merry Dee, Timothy and Tamara have enjoyed Europe, but looking forward to returning home"

RONALD A. PHERNETTON is a Forester in the Piedmont National Wildlife Refuge, at Round Oak, Georgia.

ROGER P. SKISTAD writes: "Marie, Russell, and I are still living in Quinalt, WA, where I am a Pre-Sale Recon Forester for the Olympic National Forest. Had a real drought out here this last year, only 117 inches compared with 175 the year 1972. Still living close to Nick Vagle, but not for long. Nick is being promoted and will be settling into a new job at Quilcene, WA this Spring. There are several other Minnesota grads out this way and we see each other from time to time at training sessions, fires etc. Am looking forward to seeing the new Peavey and finding out how everyone is doing. Hi to Green Hall."

JOSEPH J. ULLIMAN is an Assistant Professor at the College of Forestry, University of Minnesota.

ROBERT C. ULLRICH is a Lecturer in Biology at Harvard University. He writes: "Another quantum jump in the family this last May. Max Benjamin, number two son. By the time this is published the degree will be well in hand and I will be well into teaching my first course, Cell Biology. The family is fine, all the better for a trip through our magnificent Southwest this past summer. Unfortunately I left my alumnus directory at home and had difficulty finding old acquaintances. To Dean Kaufert my best wishes and a special thanks for the added note of excellence that he demanded of his foresters."

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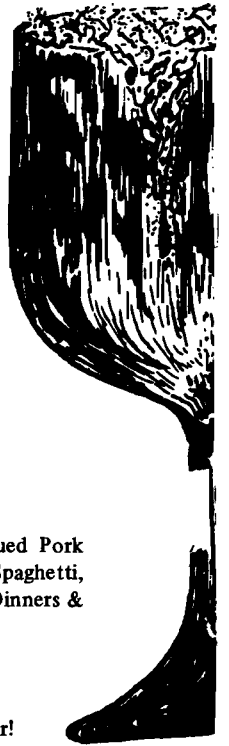
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NICK VAGLE works as a Presale Forester for the U.S. Forest Service in Quinalt, Washington. He writes: "Connie, Jay and I are still living here in the Quinalt Rain Forest. I enjoyed seeing Cal Kerr, Walt Johnson and other Minnesota Alumni at the SAF Convention in Portland."

WILLIAM WOLERTZ writes from Paisley, Oregon: "In May transferred from the Silver Lake District to the Paisley District of the Fremont National Forest. I am now working in Post Sale work and am enjoying it immensely."

Harvest of '69

TOM BARUTH is a Forester with the U.S. Forest Service in Miramonte, Ca. Tom informs us that he is "presently working in timber sale preparation here on the Sequoia National Forest, California, land of big timber. Am also next to some of the finest Sierra High Country, so I'm polishing up my backpacking gear for next summer!"

STEVEN R. CORNEILLIER says: "Free at last, Free at last, Thank-You Air Force. I'm Free at last!" By the time you read this I will have been separated from the U.S. Air Force (May 31st). I was originally scheduled to separate Sept. 15th, but I received an involuntary early release. I have sent resumes out world-wide, but if I'm not offered a forestry position I will stay in Goldsboro, North Carolina, for one more year to finish a Masters Degree in Management & Supervision that I started through the Air Force. Kathy will teach a fourth year at Eastern Wayne High School if we say that additional year. Say Ryan & Morrissey, the two of you might be interested in taking Kathy's Correspondence Course in "Family Life & Human Sexuality," seeing that you both still single. There must be some reason why the two of you haven't wooed some young lady yet? We hope to see a few of our old Forestry Friends this summer if we pass through the Twin Cities. We will see you all then."

RICHARD A. KUSICKO reports: "I transferred from the Klamath to the Lassen National Forest in October and am now the district silviculturalist on the Hat Creek District."

H. STEVEN NELSON writes to us from Marshall, Minnesota. He says: "Still farming and looking for opportunities in agriculture or forestry."

LYNN CHRISTIAN PETERSON is Chief Forester for Blandin Woodlands Inc. at Grand Rapids, Minnesota. Lynn says: "Hello to all! It's a girl!! Our recent addition to the family — a pure-bred Golden Lab — what a nose!! Nothing else to report other than we're still working long hours to finish our retirement home (as usual the wife's hardly working). Please stop in if you're by our way."

BRUCE A. ROTTINK writes to us from Midland, Michigan.

GEORGE L. SHEPARD lives in Minneapolis, Minnesota, where he is a Highway Technician.

CHARLES K. SMITH writes: "Presently at Green Hall; Graduate Student in Forest Recreation "Susie and I can't report any "little recreationists" on the scene; and it's a good thing because we wouldn't have time to pay any attention to 'em!"

CHARLES G. TAUER is a Graduate Student (Phd) at Green Hall in St. Paul Minnesota.

Harvest of '70

KIM A. ELVERUM sends us word from St. Paul, Minnesota. He says: "It's been a busy year. I have been busy at my previous job as District Forester in Mankato. Also got married last August to keep myself warm during the energy crisis. To top it all off I am now working for the DNR's Bureau of Information and Education in the New Boat and Water Safety Program. I am coordinating the program of instruction and information for the state."

DUANE P. HALSTEAD writes to us from Medford, Oregon. He says: "Received my army discharge last August and joined the Bureau of Land Management, Medford District, Medford, Oregon. It's good to be back into forestry. December wedding on the horizon."

ROBERT MAKI is a District Forester for the DNR in Jacobson, Minnesota. He writes: "Was assigned to the Jacobson District on February 17, 1974 as District Forester after completing Trainee Program. Meet and worked with Minnesota graduate foresters, Jeff Haas in Onamia, Terry Helbig in Lake City, and Rich Antilla and Fred Wintermantel in Big Falls while on trainee program. Invite all professors, or Forestry Club tours to visit the Jacobson District."

ROBERT W. MORROW is a Forester for Blandin Woodlands, Inc. He lives in Grand Rapids, Minnesota.

JOHN P. POTYONDY is a graduate student at Green Hall. He writes: "My wife and I returned in August from three years with the Peace Corps in Morocco. I am now back at Minnesota as a graduate student in forest hydrology learning a lot of things that I should have know before I went to Morocco. It is good to be back in Minnesota but I highly recommend that everyone give some serious thought to possibly working overseas. It can be useful both professionally as well as broadening your outlook on the world in general and in regards to forestry also."

TIMOTHY M. RESCH "All is well. Have worked myself out of a job at the Moroccan Forest Research Station and am, after 3-1/2 years, sadly leaving Morocco. Am presently on extended vacation including goodbyes and skiing in the French Pyrenees."

WALTER D. RUCKHEIM is employed as an Assistant Nursery Manager with Alexandria Northside Floral, in Alexandria, Minnesota.

GERALD R. RUSTAD is a Sales Forester, for USDA Forest Service. He is residing in Walden, Colorado. He writes: "The job is more interesting and challenging everyday. Our son is little over a year old now and getting into everything."

LARRY L. SCHRADER writes: "I am still stationed at Beeville, Texas where I am an advanced jet flight instructor with VT-24, NAS Chase Field. I conduct flight instruction in advanced jet tactics in the Navy's A-4 Skyhawk."

JACK THOMPSON writes: "I'll be out of the Army as of February, 1974 and heading home for Minnesota to start looking for a job, or maybe back to school for spring quarter."

Harvest of '71

DOUG AASEN writes from Columbia Heights, Minnesota, where he is employed as a cook, no doubt, while he is looking for that forestry job.

MALCHUS B. BAKER, JR. writes to us from Flagstaff, Arizona where he is a Research Hydrologist with the Rocky Mountain Forest and Range Experiment Station.

MARK BOCHE is a Forester with the United States Forest Service, Deer River, Minnesota.

MARK BOCHE is a Forester with the United States Forest Service, Deer River, Minnesota.

BETH GAIL BAUCK MONTGOMERY works for Northrup King & Co. Seeds, Minneapolis, Minnesota. She writes: "I am still working happily at Northrup King in Mpls. My husband Mike has returned to the University to complete a degree in Computer Science. I am very busy working with my Junior High Sunday School class and as a volunteer in a home for mentally retarded children."

RICHARD A. OLSON works as a Forester for Boise Cascade in Cook, Minnesota.

DAVID C. PETERSON orders his Peavey from Minneapolis, Minnesota.

DUANE A. SIPPEL is in the U.S. Army. He writes: "I would just like to say that it pleases me much to see that the Peavey is being published again. As a past member of the staff, I know how much work it takes to publish this book. Keep up the good work. I went into the Army in June, 1972 and presently am on a 30 day leave before I go to Europe. I will be there till the



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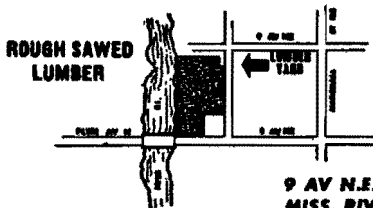
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duration of my tour. My estimated time of discharge is June 1975. As for the future, I plan to start farming with my father. Please extend my best wishes to Ken and the rest of the staff. May your holiday be merry and full of peace, and may God bless you all."

GUY A. WOLD reports from Anchorage, Alaska: "Greetings to the College of Forestry and the "Hey-Ho-Piece-of-Cake" gang of 1971. Having worked for the Forest Service and BLM in Alaska, I finally landed the job I wanted with the Dept. of Nat. Res. Future looks good as the state still has about 80 million acres coming to it. (A chance to use my tundra management class) Linda says hi to everyone and extends a welcome if you're in the neighborhood. Keep up excellent work on Peavey, P.S. Hunted moose with John Sturgeon (class of '70) at Eagle, up on the Yukon earlier this year. John is still at Wrangell along with Chad Converse (class of '66) where both work for USFS."

HARVEST OF '72

RICHARD P. AXTMAN works in Sales and Customer Service for Star Bowling and Golf Supplies, Inc., in Minneapolis, Minnesota. He writes: "Am active as Scoutmaster for Troop 103, Minneapolis. Go Active Boy Scouts. I am seeking advanced studies and employment for Environmental position. My brother, Mike, who graduated from the School of Forestry in 1971 is employed as Claims Manager at American Hardware Mutual Insurance Company, Minneapolis."

FRED BATSON contacts us from Billings, Montana, where he is a Natural Resource Specialist — Bureau of Land Management.

EUGENE GLEN BLACKWELL sends word to us from Lisbon, North Dakota where he is District Forester, North Dakota Forest Service. He says:

"District responsibilities and statewide responsibilities for Urban Forestry Programs and Shelterbelt Management. Wife is expecting in March."

LEE E. CHRISTENSEN sends us word from Blackduck, Minnesota, where he is a Forester — Blackduck Ranger District, Chippewa National Forest.

LAWRENCE DONOVAN informs us that he is a Forest Technician for the U.S. Forest Service, Stanford, Montana. He says: "I am now a married man. Hi to Doogles, Hockey Puck, Boche, Gherardi, Ol Rattlesnake Johnson and all the Ted's tavernites."

STEPHEN WILLIAM HALLGREN is a Peace Corps Volunteer. He writes: "I am still with Peace Corps Morocco assigned to FAO PROJECT MOR 71/536 in erosion control and soil conservation. A pilot water-shed has been chosen and one year given to develop a basic plan of action. My work is with a Belgian pedologist who must prepare first, a description with maps of the agricultural potential and the erosion problem and second, a suggestion of proper techniques for improving sepicultural production and slowing erosion. At present we are working on the description which has as its primary element a map of physiographic units. Mapping units are based on five factors: parent material, soil, present land use, topography and present erosion problem. Good aerial photos and maps exist of the region which is situated in the Rif Mountains. The work is challenging and exciting and work in a foreign land is none the less a valuable and important experience. Thus, I hope to remain with the project when it moves to a second pilot watershed in 1975."

JEFFREY F. HERRETT orders his Peavey from Inner Grove Heights, Minnesota.

WILLIAM HUOT sends us word from Morocco where he is a Peace Corps Volunteer. He writes: "Sorry I missed the 1973 publication of the Peavey but I enjoyed reading the copies that fellow colleagues here received. Since my arrival here I've been working primarily on inventories in the cedar forests located in the Middle Atlas Mountain range. The area is very beautiful and the work is usually enjoyable. However, such "minor" problems as countless jeep breakdowns, labor strikes, lack of funds to buy needed material, etc. tend to slow down the field operations occasionally. But basically, I'm really enjoying the experiences of working and living in Morocco. Future plans are indefinite but extended Peace Corps adventures are beginning to sound very interesting."

DANIEL W. HURLEY writes: "Still in the Army, presently I am located in Germany with a Howitzca Battery, in an Armored Cavalry Regiment. I am squared-away."

DENNIS KANTEN writes to us from Two Harbors, Minnesota. He says: "Received a job with the U.S.F.S. at Two Harbors (with the increased timber sell program on the National Forests) in May, 1972. After finishing nurse's training in the Twin Cities, my wife joined me and we settled down to work for a living. She is commuting to Duluth where she works at St. Luke's Hospital. I have been involved mainly in timber sale layout and preparation and compartment examination."

RAMON KILLMER is a Logger in Big Falls, Minnesota.

TIMOTHY P. PROBST writes to us from Marcell, Minnesota.

GLEN M. RITCHIE is logging in Salmon Arm, B.C., Canada.

MARK L. VANTASSEL is a Forester for the USFS, the Kawishiwi Ranger District in the Superior National Forest, Ely, Minnesota.

FRANCIS G. WAGNER JR. is a graduate student at Mississippi State University. He writes: "I just want to say hello to all the alumni and students of the College of Forestry. I hope to receive my Masters Degree by December of '74."

PATRICK J. WEICHERDING sends us word from Virginia, Minnesota. He says: "Accepted a position with the Agricultural Extension Service in North St. Louis County as an Extension Agent on September 16, 1973. Major responsibility is in Agriculture with emphasis in Forestry. Work mainly with small private forest landowners. This is truly "Gods country" in Minnesota. Love it. Wife Judy is no longer working since we are planning a family! Saey hi to my favorite adviseer Ken for me."

Harvest of '73

GENE AHRENDT writes: "After graduation last Spring I worked on the White River National Forest near Glenwood Springs Colorado 'til December. At present I am running the Stage II inventory on the Laramie District of the Medicine Bow National Forest in Wyoming. Sure was good to see all the Minnesota Foresters at the SAF Convention in Portland, Oregon last fall!"

KEN BRITTON resides in Mammoth Lakes, California where he is a Forestry Technician/Forest Service. He says: "We are alive and well at Sherwin Creek."

MICHAEL L. CHAPMAN writes to us from Cold Spring, Minnesota. He reports: "Am working for the Minnesota Department of Natural Resources as a Natural Resources Manager I Forester. My office is in Cold Spring and my district consists of all of Stearns County. I moved to Cold Spring in Mid-February after participating in a six month training and probationary period with the department."

ARTHUR T. EMMONS is a Forester with the Bureau of Land Management in Eugene, Oregon.

RALPH R. GREILING writes to us from New Orleans, Louisiana. He says: "Had a successful partnership with Dick Herold last summer in a business venture we called "University Tree Service". Business over the entire Twin Cities area was good. Sold out in November to George Cornell and Paul Brandt. Am now in Uncle Sam's finest. Finished my Transportation Officer's Basic Course in January at Ft. Eustis, Va., and proceeded to Airborne training at Ft. Benning, Ga. I must admit, parachuting is definitely the most fun you can have with your pants on. I'm presently on duty in sunny New Orleans (Mardi Gras was fantastic!). My position in pier officer at the U.S. Army Gulf Outport. We ship to all points of the globe including both sides of the conflict in the Mid-East (logical, huh?). Containerization is a growing trend in Army shipping and I'm starting in at the basement. Best wishes to all, especially the Boys in Cloquet Cabin #42!"

JOHN C. HANSON works as a Forest Technician for Blandin Woodlands, Inc. in Grand Rapids, Minnesota.

GARY C. INSLEY sends us word from Aitkin, Minnesota.

CARL H. JARVI is presently working in Finland, Europe with a forest products company. He expects to return to U.S.A. May 1974.

LEO JOHNSON is farming in Annandale, Minnesota.

MARK A. JUKICH sends us word from Canton, Ohio.

NEIL S. KANTEN writes to us from Minneapolis, Minnesota.

CHESTER LATAWIEC writes to us from New Brighton, Minnesota.

ELMARMAZURS is a Warehouse Foreman for C.D. Gallaher Company. His residence is in Minneapolis.

MICHAEL V. NAAS is living in Eden Prairie, Minnesota.

PAUL W. PETERSON is a naturalist in the Hennepin County Park Reserve District. He writes: "Was married: Vicki & I still live in St. Paul. I'm working part-time as a substitute naturalist for Hennepin County while waiting for a full-time position with anyone!"

FRED SOUBA, JR. is an Assistant Tree Farm Forester with Nekoosa-Edwards Paper Company in Port Edwards, Wisconsin. He writes: "I started working with the Nekoosa-Edwards Paper Co. June 15, 1973 as Assistant Tree Farm Forester. I also have been working with Company Nursery in Port Edwards, Wisconsin. Last November I got married to Connie Schmidt, a girl I met at good ole F-Day 1972. She is working at the high school in town and enjoys it very much. We really like the Wisconsin Rapids area, and would welcome any visitors if they happen to be passing through."

PAUL G. A. WALVATNE writes: "After working six months (temp appt) for the U.S. Forest Service in beautiful Steamboat Springs, Colorado, I was faced with a not so uncommon situation in being a forester without a job. So I journeyed to the rain Pacific Northwest (Forks, Washington) and landed a job as an axeman on a surveying crew for ITT Rayonier. Not exactly what my B.S. in Forestry trained me for, but then beggars can't be choosy. I'll be getting back to forestry as soon as possible, though. GOOD LUCK!!"

MR. JOSEPH C. WOOD is a Forester/Timber Buyer in Cloquet, Minnesota. He writes: "Still getting settled in Cloquet. Marlene and I bought a house and we are spending most of our time working to pay for it."

RICHARD F. WRISKEY was married September 21, 1973 and is living in St. Paul, Minnesota.



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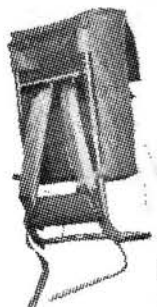


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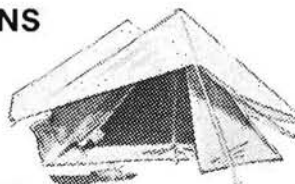
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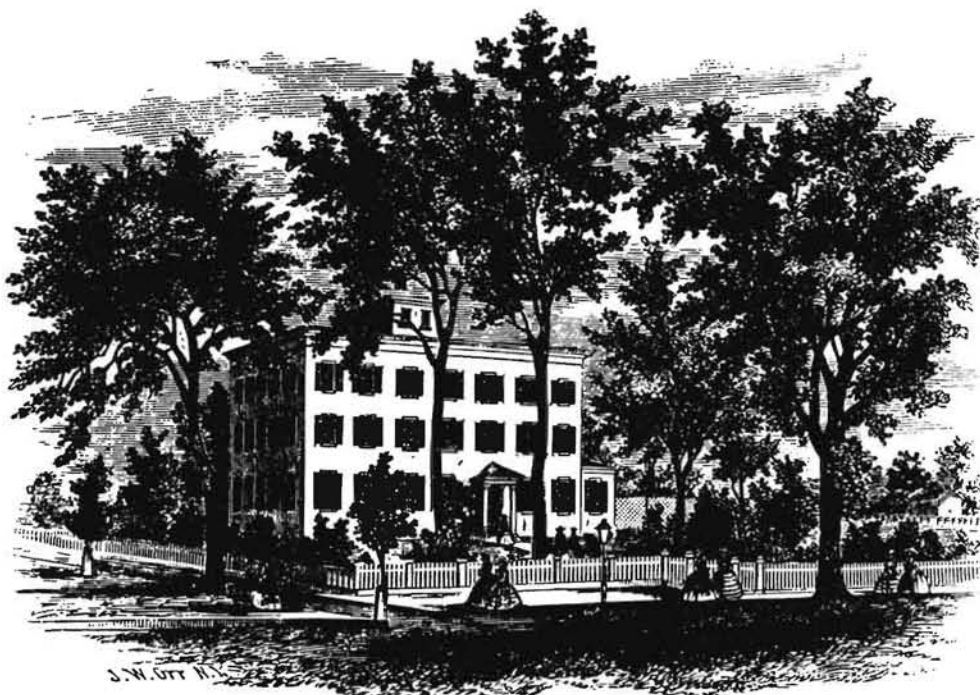
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Peavey staff at work.



EDITOR - ELDON FARB

BULL OF THE WOODS

NOTE FROM THE EDITOR

At the close of this year's issue, I would like to thank not only those listed on this page, but the many others who enthusiastically came to my rescue during the year, and especially the other half of the editorship, my wife Barbara.

Scott Barger



To hell with it — we'll just recover this old issue.

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We wish him the best of success and happiness in his new work, but we like to think and hope that some day Frank will return to these old stamping grounds where he rightfully belongs.

Gopher Peavey, 1937