DR. NORMAN BORLAUG

Forester, varsity wrestler, plant pathologist, plant geneticist, hunger fighter, creator of the “Green Revolution,” proclaimed worldwide for having averted starvation of millions through production of high yielding wheat varieties, distinguished scholar, able spokesman for research, emphasis of the need for worldwide population control if man is to survive, the 1971 Nobel Peace Prize Laureate.

We take pride in the world-recognized achievements of this 1937 College of Forestry graduate, we salute his accomplishments and dedicate to him the 1971 Gopher Peavey-Alumni News.
In Memoriam

John R. Neitzel
1906-1971
Forester - Forest Products
College of Forestry Faculty
1949-1971

Thorvald Schantz-Hansen
1891-1971
Forester - Administration - Biology
College of Forestry Faculty
1924-1971

Scott S. Pauley
1910-1970
Forester - Forest Genetics
College of Forestry Faculty
1953-1970

They made many important contributions toward building the College of Forestry. The University, Institute of Agriculture and College of Forestry and its predecessors, were strengthened and enriched by these contributions. Each was a student, scholar and teacher. Each made major research contributions and expanded the horizons of their fields. They contributed abundantly to the development of forest management, forest products, and forest biology. Their contributions were recognized, and they received many honors from professional and citizen groups. The products of their activities and efforts are everywhere evident: in terms of facilities at the Itasca Forestry and Biological Station and Cloquet Forest Research Center; as research structures at the Rosemount Research Center and all Branch Stations; as interesting seed source plantings yielding annual or periodic harvests of valuable information; as graduates of the College of Forestry who were influenced by their teaching and research; and by a vast array of scientific papers that record their contributions.

We are saddened by and mourn their passing. We will miss their friendship and contributions. They leave gaps personally and professionally that can never be filled.
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- U.S. Forest Service: 7, 8, 10, 12, 13, 14
- Michigan Dept. of Natural Resources: 15
- Minneapolis Tribune: 25
REPORT ON COLLEGE OF FORESTRY—

Few years have been as filled with as much sadness and few have witnessed such major changes and accomplishments as that since my last report to alumni, students, faculty and friends of the College of Forestry.

The loss of Professor Emeritus T. Schantz-Hansen, Professor Scott S. Pauley and Research Associate John R. Neetzel has saddened all who knew them as friends, close associates, scientists and teachers. Each made a major contribution to the day-by-day operation and long term building of the College of Forestry. Their contributions were in different fields: teaching, research, administration and building of the facilities that we take so much for granted. To them we owe a good share of the development that recently resulted in our being named a College. We miss their good humor, their sound counsel and their dedication to the responsibilities they carried.

To these losses must be added those of so many distinguished and broadly recognized alumni, among them being Leo Isaac and Ray Clement. We mourn their passing and extend to their families and friends our deep and heartfelt sympathy.

Major Changes

The creation of three colleges — Agriculture, Forestry and Home Economics, within the Institute of Agriculture, each headed by or to be headed by a Dean, probably is the major change that has occurred. These three Colleges replace the former College of Agriculture, Forestry and Home Economics. With the headquarters and a considerable part of the recently created College of Biological Sciences located here, and with the College of Veterinary Medicine, the St. Paul Campus is now home for five Colleges.

Accomplishment of College status for Forestry has been a major objective of the Minnesota Forestry Alumni Association, of friends and supporters of our program, and of the faculty. We deeply appreciate all of the support provided. Without such continued interest and support this objective could not have been accomplished. Neither could it have come about without the enthusiastic endorsement and leadership of Dean S. O. Berg, President Malcolm Moos, others in Administration, and our Board of Regents. We owe them a most sincere vote of thanks and expression of appreciation for an accomplishment which should be the beginning of a new era for Forestry in the University of Minnesota.

With this change has come new opportunities and responsibilities. It is planned to organize the College into three Departments: Forest Resources Development, Forest Products and Forest Biology, each to be led by a Department Head. An Assistant Dean and a Director of Undergraduate Programs will be named at the same time. The Cloquet Forestry Research Center probably will be renamed the Cloquet Forestry Center, to indicate its broader mission. With fall and spring sessions for juniors now operating at Cloquet, and with the planned addition of other education programs at that location, it has become far more than a research center.

New Facilities

Completion of the first phase of a classroom-laboratory-office building at the Cloquet Forestry Center gives us an excellent teaching facility for our two forestry sessions, for conferences and other educational efforts. All of the old student cabins and central toilet-bathhouse at Cloquet will be phased out as new cabins with showers and toilets are constructed. One such cabin is under construction, two more have been funded and two are being requested of the 1971 Legislature. When these cabins, classroom and other buildings at Cloquet have been completed, hopefully in the next two years, and with the addition at an early date of Phase II of the new classroom-laboratory-office building, the Cloquet Forestry Center will have few equals among field education and research facilities.

Green Hall classrooms have been majorly remodeled and improved, we have been repainted from stem to stern, a new College Office has been developed for Ken Winsness and staff, the Library is to receive a considerable addition, and many pieces of teaching and research equipment acquired. The forestry library has quadrupled in size, is excellently organized, and very heavily used. The new addition planned will add considerably to its size and capacity.

We are hopeful that the 1971 Legislature will provide funding for the addition of Phase III of the Forest Products Building. Also, we hope that some funds will be made available for planning the construction of a badly needed addition to Green Hall, a unit that would connect it with Forest Products. With increased enrollment, both undergraduate and graduate, with some growth in faculty and office staff, and with the necessity for providing more space for our College Office, we are crowded. Green Hall has been
and still is one of the best constructed and most serviceable University buildings, a real credit to Dr. Henry Schmitz and faculty who planned it in 1936-37, but it is no longer adequate. Within two years it will be completely inadequate to accommodate the predicted enrollment increases, both undergraduate and graduate, the expected expansion in faculty and the need for more supporting staff space.

Faculty and Staff

Dr. Hans Gregersen joined us during the past year in the area of economics and world forestry. We welcomed back Dr. Carl Molin to take responsibility for the major program developed by Dr. Scott Pauley in forest tree improvement and genetics. Kalevi Turkia returned from Finland for Ph.D. study and work as an Instructor in the forest products and prefabricated housing areas. Upon completion of his Ph.D. program, Tim Knopp joined us as an Assistant Professor in the field of outdoor recreation. Dave Grigal, who has his B.S. and M.S. in Forestry and Ph.D. in Soils, joined us last summer as an Assistant Professor on a joint appointment with the Department of Soil Science. We look forward to welcoming Robert M. Brambl, who will join us this spring on a joint appointment with Plant Pathology.

Also, we will be happy to welcome back Dr. Hugo John in the areas of measurements and management. Hugo has been on a two-year assignment with FAO in Colombia, South America.

With gains usually go losses. Dr. Jay Hughes, who has developed such an outstanding program in forest economics research, and who carries a heavy undergraduate and graduate teaching load, is taking a year’s leave to join the Cooperative State Research Service, USDA, Washington, D.C. His selection for this interesting and challenging assignment is a fine credit to him. We can only hope that he will return to Minnesota and continue the many faceted research and teaching program he has developed.

Few units have been as fortunate as the College of Forestry in the quality and performance of its office and secretarial staff. Without Iva, Kay, Kathie, Emily, Elaine, Clair, and many other fine gals, the College of Forestry simply would not and could not function. To them belongs a good share of the credit for accomplishments, progress and our continued effective functioning.

The College is indeed fortunate to possess a top quality faculty dedicated to teaching and productive research, and an office staff of outstanding quality even though short on the quantity needed to handle the ever-increasing work load.

Undergraduate and Graduate Enrollment and Employment

Undergraduate enrollment last fall reached an all-time high of 481. Also, for the first time in history the size of the senior class almost equalled that of the freshman class — evidence that we are getting a larger number of transfer students from junior colleges and other sources. Students are concentrated in our Forest Resources Development curriculum — about 85-90 percent. We need more students in the Forest Products, Recreation Resources Management and Forest Science areas.

Employment opportunities for graduates have decreased greatly in the past few years, particularly for graduates of our Forest Resources Development Curriculum. This situation is considered temporary and will be corrected when federal agencies and the forest industries reenter the employment picture — from which they have almost dropped in the last two years. Employment opportunities in forest products and recreation are still reasonably abundant, even though here too there has been some slackening in the past year.

We have an outstanding group of undergraduate and graduate students. They are more critical and more demanding. They want quality instruction and are willing to take the steps needed to achieve it. They serve as active members on more faculty committees. They helped organize the Student-Faculty Board and Student Curriculum Committee, both of which help assure continuance of the excellent student-faculty relations that have typified the College of Forestry and its predecessors. We are proud of our students and their successful activities that add so much to student life: Forestry Club, Gopher Peavey-Alumni News, Christmas Tree Project, Foresters’ Day and the Special Event, regional Forestry Clubs Conclave participation, Scholarship program, Freshmen Bonfire and others.

Graduate enrollment too reached a new high in the fall of 1970 with about 70 registered. The Forest Products, Recreation and Forest Science areas are far better represented in graduate enrollment than in the undergraduate area. Thus far placement of graduate students upon completion of advanced degree programs has not been a problem and we have yet to feel the same job squeeze evident in many fields.

Other

The College of Forestry faculty and Minnesota Forestry Alumni Association very kindly honored me last fall on completion of 25 years as Head, Assistant Director, Director and Acting Dean of the Division, School and now College of Forestry. These were fun events and deeply appreciated. Each year has brought new and interesting challenges and has seen at least some growth. However, the real opportunities for growth and development still lie ahead. With a new

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COMMENTS ON OUR ENVIRONMENT

THINK ITS TOUGH GOING NOW?
WAIT TIL THEY ARE ALL ON!!

rhet.o.ric (ret′o-rik), N. [Gr. rhetor, ovator], 1. the art of using words effectively; esp., the art of prose composition. 2. artificial eloquence.

Rhetoric. We are experiencing a good deal of ecological rhetoric these days. Politicians, student activists, and laymen are jumping on the bandwagon; sometimes justified and at other times not. But where does the forester fit into the picture? With public interest aroused and participation in policy-formulation at an all time high, the forester should provide the guidance, leadership, and dissemination of sound, accumulated knowledge for rational use of resources. At present, politicians and “rhetorical ecologists,” who may have had little training in ecological concepts and resource management, are exerting their influence, casting their vote, and making the decisions. The majority of the forestry profession quietly voice their concern as the profession slowly awakens to its opportunity and obligation. The following quotes and comments from alumni, staff, and students are on issues of importance to students and professional foresters. More talk or rhetoric you ask? You’re right. But, the rhetoric from the forestry student or professional forester, the individual with training, knowledge, and background, is a sound addition to the decision-making process. Yet, words are not sufficient, for the individual must be willing to initiate constructive action and avert “wheel spinning.” We invite your consideration of these comments and sincerely hope they will be thought provoking and beneficial, as well as informative.
Recent public outcries against clearcuts in most parts of the United States are leading to re-evaluation of this accepted forest management practice.

The most obvious objection to the clearcutting method is, of course, the eyesore it produces. It is extremely difficult to make a clearcut beautiful. The realization that in ten years a new crop of healthy trees will fill the void (hopefully) is small consolation to someone driving by the area today. The clearcut is difficult to rationalize to John Q. Public when it appears more like a tornado's disaster area than the result of level-headed forest management.

The answer to the problem is threefold. First, clearcutting could only be carried out in areas more remote from general observation or, in flat country a buffer strip of forest could be left to "conceal" the cut area. Second, a more intense effort could be made during logging to clean up the clearcut areas, making them appear more eye-pleasing. The presence of the larger slash (primarily unmerchantable trees left behind), high stumps, oil pools from logging equipment, discarded cables, discarded machine parts, and unsightly logging roads could all be eliminated with a well managed logging operation. Third, a good education-communication program with the public could present them with the positive aspects of clearcutting before making a judgment on it.

There is a fourth answer, but having chosen forestry as a career I hate to consider having to mark every third tree on a two thousand acre timber sale that could only be sold to a very patient logger with a skinny horse for a skidder. (Guy A. Wold, '71)

Foresters have repeatedly demonstrated that clearcutting is an ecologically sound management tool. But so what? Individuals and groups continue to declare that the practice is not in keeping with the concept of environmental preservation — it is ecopornography so to speak.

Even foresters should be able to see that forests are not a renewable resource (environment) within the time span of most individuals; and also that even though one clear cut may heal over, another will likely be created in the future in following with sustained yield principles. The justification for cutting will have to be shifted since those interest groups are not concerning themselves with what is best for the resource. Do people believe that some one besides the business community benefits when trees are sacrificed?

Let's use an interdisciplinary approach to examine which income groups gain the most in the utilization of a cheap building material, which groups of people gain with reservation of vast stands of timber (these two groups are the low income and the educated, high income peoples respectively), and the social costs of substituting other resources for wood. Then the public can decide whether they desire clearcutting (or any cutting) on some other basis than that which is best for the resource. (Bob Morrow, '70)

Clearcutting is the most economical method of harvesting even-aged, mature forests. Because of the silviculture of many of the economically important trees falling in this class of intermediate species, such as Douglas Fir, Western Hemlock and Western Red Cedar, it is necessary to prepare areas for regeneration. This is most often accomplished by burning and clearcutting. Clearcutting is man's way of duplicating the natural catastrophes needed by these intermediate species to favorably regenerate. It should be noted that clearcutting is not a necessity for regeneration of all species. However, due to the economy of harvesting by clearcutting, many mixed age stands have been needlessly clearcut. (Guy A. Wold, '71)

Aesthetically, clearcutting is offensive and should be avoided when selection cutting can yield stand continuity. Active education by the forester appears to be the key in making the public knowledgeable about forest cutting practices and why aesthetics sometimes suffer for short periods of time after clearcutting.

Forestry practices can be improved to meet some of the standards set by public pressure through technological improvements in forest regeneration techniques, by deleting the necessity for burning and exposing mineral soil needed for root development. There is, however, no way we can genetically alter intermediate species to grow under such shade conditions as exist in selective cuts. (Bill Miles, '46)

... in a "battle of words" over timber cutting in the national forests, the charge is made frequently that this benefits only a "few selfish lumber companies, while wilderness and recreation are for all the people."

Calling this "nonsense," Dean Zivnuska said it is obvious that every resident of the United States makes daily use of structures, products, and services based on such forest products as lumber, plywood, and paper. In contrast, he said, "an unhappily low percentage of the public ever has the opportunity to enjoy the wilderness. . . ."

It is those groups that "need improved housing the most who share in wilderness and forest recreation the least," said the dean.

Opponents of timber cutting also argue that needed housing can be built of other materials than wood, said Dr. Zivnuska, but this begs the environmental question.

"If we do not use wood, then we must turn to plastics from petroleum reserves, steel with its requirements for iron ore and coal, concrete with its quarries and cement plants, and so on. It is one world, and we don't change the environment in one place without changing it in other areas as well."

Use of wood minimizes the adverse effects on other elements of the total environment because forest products are both renewable and biodegradable. (Zivnuska, '47)

from—"News," edited by Jim Morrison, Agricultural Extension Division of Agricultural Sciences, University of California, 2500 University Avenue, Berkeley, California, January 25, 1971.

Despite all the noise being made by a large new army of eco-freaks, clearcutting remains a desirable and necessary silvicultural method. There is no way in which the well-managed forest is not vastly superior to the unmanaged wilderness. (Merrill Deters, '28)

One thing is very evident. In discussions with individuals or organizations, unless it is a timber based individual or group, you do not stress economics. Environment is the word. The politicians recognize it. Unfortunately many of us and many in the timber industry refuse to see this. Even though at times, by recognizing this, we could build a stronger profession, and the industry a better understanding with concerned groups. (Anonymous, '90)

We as foresters could impress on the layman the need for clearcutting to perpetuate stands of shade intolerant species, to encourage new trees which produce more oxygen than the old veterans, to increase the food supply for wildlife (and also edge effect), create more raw material at lower cost.

The only way we will be able to convince the public on the need for clearcutting will be through reason and facts presented in a straightforward manner through the different public relations media. (David J. Hakala, '88)
Water for the Future

Water, an invaluable natural resource, is succumbing to the pressures of increasing population just as are other natural resources. As a result, people now realize the implications of the words quality and quantity as applied to water. In the following two articles, reference is made to the quantity problem and to some extent the quality of our water resource as effected by the pulp and paper industry in Minnesota.

Projected increases in population indicate that the United States will be facing a severe water crisis within the next decade. Certain geographical areas, such as the arid Southwest, presently have reached a point where water supply is limiting social and economic development. There are four principal means of alleviating our water shortage which include recycling of waste waters, reduction of individual consumption, engineering structures to enhance use during low flow periods, and reduction of non-economical use through the process of evapotranspiration. The resource land manager has a leading role to play in the latter means of increasing water yield.

The use of artificial structures to reduce flood peaks and provide an even distribution of water throughout the periods of low yield has been used for many years. However, with an increased emphasis on environmental quality and preservation of natural areas, the use of reservoir systems, particularly large reservoirs, has created controversies between different interest groups. From the viewpoint of the hydrologist, the use of either a large dam or a series of smaller dams is dictated by physiographic and climatic conditions and needs of the area. For example, a large dam is more efficient in the Southwest because reservoirs can be constructed in areas of non-productive lands and steep topography to minimize evaporation losses. In addition, large reservoirs provide water oriented recreational values which are otherwise non-existent.

However, in the Midwest, a series of small upstream reservoirs may be more desirable due to more productive lands and level topography. The volume to surface area ratio of a series of small reservoirs is decreased which would tend to increase evaporation. However, flood control of snowmelt runoff is more important than increased water supply at the present time, and upstream reservoirs may approach flood control attained by large reservoirs.

Reduction of non-economical water use through the evapotranspiration process has been accomplished in many areas by replacing deep-rooted forest species by shallow-rooted grasses and eradication of riparian species along stream channels. These management systems have created conflicts of interest among many groups due to adverse effects on wildlife, recreation and aesthetic values even though water supplies can be appreciably increased. Because of increased interest in the environment and the delicate balance of nature's system, a greater understanding of these forms of management must be achieved. As an outgrowth of this understanding, management decisions may be based on both economic and social values.

In order to achieve increased water supplies and still maintain aesthetic and recreational values of an area, a greater effort must be made by both the research scientist and the resource manager to coordinate their skills and efforts. The gap which has existed between these two groups must be bridged, if we are to attain the best possible land management practices. A quality environment and enhanced forest resources can be achieved only through a greater cooperative effort between research and administrative personnel working on a common problem with the same objectives. (Dr. Arnett C. Mace, Jr.)

In the last year, the pollution of our environment has been a topic of great concern to Minnesotans. All major industries in Minnesota, including the pulp and paper industry, have been subjected to various pressures, and have been the focal point of numerous articles, talks, etc. The pulp and paper industry has drawn a great deal of attention for its contribution to pollution, some of it justified and some not. The industry is, however, doing something to prevent pollution, and is making every effort to meet the Minnesota Pollution Control Agency (MPCA) standards by mid-1973. This undertaking by the industry is directed toward both air and water pollution abatement.

Air pollution by the pulp and paper industry often is overrated by many. The facts are that the industry does produce atmospheric emissions comprised of particulates, odorous gasses, and visible water vapor, but people become concerned when they see clouds of harmless water vapor and detect the sometimes objectionable smell produced by the mills. Black smoke is no longer emitted because the burning of coal has been nearly eliminated as the industry is switching from the use of coal to natural gas to fuel its boilers. The harmless water vapor will always be present, but the amount of particulates will be reduced greatly through the use of electrostatic precipitators and scrubbers installed in the smoke stacks of the mills. The electrostatic precipitators impart a charge on particulate matter which causes the particles to coalesce into larger precipitating particles that will then settle down.

Various sulfur compounds given off by the mills can produce a very offensive odor, and sulfur can be detected by the human's sense of smell when only five parts per billion are present in the air. The problem of reducing sulfur emissions is, indeed, a tough one to solve. Each type of sulfur compound emitted requires separate treatment, and this proves to be an expensive undertaking. Scrubbers installed in smoke stacks spray a fine water mist which precipitates the sulfur compound out of the emission.

With respect to water pollution, most of the pulp and paper mills in Minnesota have primary water treatment facilities and will be required to have secondary water treatment facilities at their plants by November, 1973. This treatment of effluents will result in a lower biological oxygen demand (BOD) placed on the water resource. Tightening of processes used by the industry and recycling of chemicals and water is resulting in less water pollution and a greater all-around use of chemicals and water.

It is estimated that eighty to ninety percent of the pulp
and paper industry's pollution will be eliminated with today's applied technology. In Minnesota, most of the pulp and paper mills are thirty years old and older, and due to this fact, the older mills will have to invest two to three times as much money to install pollution abatement devices as would a new company.

The present unified and orderly approach to pollution abatement by the industry as a whole has resulted in a new, improved level of pollution control. If the program had been carried out on a voluntary basis by the individual mills, competition and economics are such that some of the mills would have suffered extreme profit losses.

It is a fact that the Gopher Peavey could not be read if we didn't have pulp and paper mills. On the other hand, the pulp and paper mills wouldn't be a reality if it weren't for the support of the reader. So, together let's support pollution abatement to help insure an existence for both.

Forestry and/or Wildlife

Although we did not solicit comments from the alumni regarding the relationship between the wildlife manager and the forester, we thought foresters might be interested in reading a forestry student's comments and the following remarks made by Dr. Frenzel of the Department of Entomology, Fisheries, and Wildlife on this topic. Dr. Frenzel's comments are drawn from experience having spent much time since 1948 working in the Superior National Forest.

When I began work on the Quetico-Superior, as it was then called, the area was being considered for a wilderness area. Logging practices, and the fires that followed from 1880 to about 1930, had removed a great portion of the pine forests, and large expanses of mixed hardwood-conifers predominated by aspen-birch complex had become established as a fire-replacement pioneer forest on much of the upland. The area had changed from essentially a moose and spruce grouse habitat to whitetail deer and ruffed grouse habitat. Logging interests, local people, and the tourist industry, wanted the pine forest and at the same time - along with hunters - wanted wildlife, particularly continuation of thriving populations of deer and grouse. Within these demands and in the face of a lack of definite policy, conflicts arose. Succession moving through pioneer forests to piney and then to boreal forest will not support whitetail deer and ruffed grouse in the long run. Important here was inadequate definite policy as to the primary objectives both forest and game managers were to obtain. Best differential uses for extensive blocks of land within the forest could have been determined and appropriate management practices indicated, and this would have done much to alleviate past and current problems. Development of management tools - particularly prescribed burning - was underway but was thwarted by a carryover fear of wildfire. This phenomenon, accompanied by the "Smoky the Bear" hard sell, has impeded the forester and the wildlife man alike, in the use of a good tool for quality forest and wildlife management: control burning to manipulate habitat. However, in spite of the conflict in user demands and the failure to obtain a good policy for the managers to work with, I feel that both agencies have done remarkably well satisfying those demands in the immediate past. It is the present and immediate future periods where satisfying
In this day of concern for the ecological community, we as foresters must put down our biltmore sticks and prisms and consider the other facets of forest management. The public is expressing concern as to the effects of forestry on the other members of the ecological community of which no small part is wildlife. As professionals who will be in constant contact with the public, we will surely be assailed with questions and criticisms about our management programs. They will want to know what we are doing about the elk and deer herds, the grouse and the moose, and most certainly, the predators. We must clearly explain what we are doing to the forest and what the ecological relationships of the wildlife species involved are within the forest successional stages. In order to do this, we must ourselves possess a thorough understanding of what our practices are doing to the rest of the community. This requires a good background in wildlife biology and as Dr. Frenzel mentioned, close cooperation with the professional wildlife man. With this background and cooperation with the professional wildlife man we will have the tools to explain our practices in a manner acceptable to the public. When the public wholeheartedly agrees with forest policies we can efficiently implement them. (Joe Spehar, '71)

**The Future Use of Pesticides and Herbicides**

My comments about the use of herbicides and insecticides are based on my experiences as a forest pathologist. My views are based on my knowledge of these compounds in relation to incidents which I have encountered, or have heard of.

I believe insecticides such as DDT are not as harmful as many people think. More research is needed on both short and long term effects of insecticides before we know how dangerous they are. We should not allow the emotions of the uninformed to decide these issues, but should rely on qualified persons.

Most of the claims for the deleterious effects have resulted because people have been unnecessarily careless in handling and using insecticides. This point is particularly manifested in the use of organic phosphates, such as parathion. This compound was used as a substitute for DDT in certain crops; people died and the results of its misuse were publicized very quickly.

Many people in the world would not be able to survive if it weren't for insecticides, and DDT is still a key material in tropical countries where malaria is a problem.

Herbicides have been misused as well and this accounts in part for their bad publicity. Both 2, 4-D and 2, 4, 5-T have not been studied enough to determine precisely what effects these compounds have on the health of mankind.

I am more concerned by the wide use of compounds such as arsenic and mercury. Both of these are readily available at any hardware, garden, or feed store and yet it is known that these compounds have fatal effects on people and other animals, and still there is little public excitement about the use of them. This has changed just recently with the publicity about mercury.

Some 'experts' have said, due to the orientation of our society toward a monoculture, the extensive use of pesticides is warranted; while others have proclaimed the only solution is to revert to many species over the same amount of land. My view on this is that we will have to retain our monoculture orientation to sustain production for our 'affluent' society. Yet, through the use of improved varieties and with biological control measures many problems can be solved.

In conclusion, we need to carefully review the chemical compounds now used in forest practices, but should not abandon the use of such materials on the basis of emotional-type outcries not based on fact. Before new chemicals are put to use we should know their hazards—based on fact. (Dr. David French, '43)

... While much research is still needed on the total environmental impact of 2,4-D and 2,4,5-T, there has been far more research done than is generally realized. A very brief review of this indicates that these materials, reasonably used, are quickly biodegraded and that they are non-carcinogenic. Also, contrary to some misinterpretations of Vietnamese data sources, they do not cause birth deformities. Care should be used in spraying watersheds to avoid drift on the water surface. However, at normal rates of application the contamination effects are quickly dissipated. Because of the ability of soil microorganisms to break down the 2,4-D and 2,4,5-T, there is little lateral leaching of these materials.

These two herbicides have been among the most useful of recent additions to forest practices. They enable selective manipulation of forest vegetation previously impossible. They can prepare sites for planting, release planted trees from competition, encourage establishment of natural regeneration, maintain trails and rights of way, and control poisonous plants.

In view of the many needs for these herbicides, the large background of research and experience documenting their safety when properly used, and the absence of data indicating dangerous environmental effects, I feel their use should be permitted. I would also recommend a continuing and stronger emphasis on research as to their environmental impact, a program of monitoring possible residual effects, and tightened restrictions on aerial applicators to prevent misuse. I would also recommend more selective use on roadsides and rights of way rather than the broadbase and wholesale applications now generally made. (Dr. Henry L. Hansen, '35)

... Due to the growing concern by the public on environmental matters, the justification of the use of herbicides and insecticides is becoming a necessity. This is not as readily attainable as one might imagine. Because of the relatively short period of use of pesticides there is not enough known about the immediate and long term effects of these compounds. This point is evidenced with the case of DDT. Researchers are today finding out what the effects are after it has been in use for twenty-five years. In my own mind I cannot sanction the use of such compounds when the effect might not be realized for 10-20 years. Furthermore, I do not think the public should.

Without the use of pesticides we need alternate means of controlling insects and undesirable species. In the past few years there has been considerable research on natural predators and parasites of insects. This area appears to be our best solution since it is highly specific to the host and has no residual effects on soil, water, or wildlife.

For controlling undesirable species, selective silvicides hold a promising solution. Again they are host specific, and have no residual effects.

In summary, it seems to me that with man's inherent intelligence and technological progress he could devise a means of controlling insects and unwanted tree species without contaminating the entirety of his environment. (Bill Gherardi, '71)


**Prescribed Burning**

Fire, theoretically, could be a useful tool in forest management if it were not plagued by some very real drawbacks. First of all, fire to be of any use, in most situations, must be executed during high fire hazard weather. . . . What happens when manpower and equipment are tied up on a prescribed burn and wildfire breaks out? . . . Even though a wildfire does not occur, what happens if the prescribed burn escapes during these high hazard weather conditions? . . . The least that could come of an escaped burn such as this (burning private land and property) is bad publicity and in this day of intensive television coverage, we would experience plenty of it which we can very well do without as foresters.

The experts will say, “But these dangers can be foreseen by thorough planning and preparation beforehand.” However, the fact remains that escapes still occur even with the advantage of pre-planning that has been executed thoroughly. Why? — Foresters are men and are fallible, as is every man.

Other drawbacks such as pollution, actual cost, risk, resources available, and other possible methods which will accomplish the same end should also be considered.

Last but not least, something that may not sound very professional but should be of utmost importance to every forester is what happens to a forester’s career or present position when he is held responsible for an escaped fire and the damage and injury it causes. (David J. Hakala, ’68)

Fire is a natural environmental phenomenon and has been a major factor in the life cycle of forests. Man does not seem to fully appreciate this, and even seems somewhat arrogant or naive in his uncompromising attitude toward control of fire. . . . We should defend the use of fire as a bona fide management activity by telling the complete story about fire — that is, about benefits as well as damage. . . .

We as land managers should change our attitude from one of fire protection to fire management. An attitude of respect rather than fear of fire should be cultured. . . .

We should step up our pace to precisely understand the effects of fire on the land. A clear identification of where fire could be used beneficially and where it should be excluded is needed. More specifically, for recognizable ecosystems we should know how fires of varying intensity affect the site quality, composition and development of vegetation and erosion potential; how to describe fuel and predict the heat transfer characteristics of fire; and know what fire generated mosaics of vegetation are esthetically desirable. Substitutes for fire and their limitations should be defined. (James K. Brown, ’69)

There are many situations where fire is needed as a land management tool. Well-trained foresters are competent to judge this and the impact on the environment. (Merrill Deters, ’28)

Fire is one of our most useful wildlife management tools on the Piedmont N.W. R. . . . Fire is used to keep hardwood-browse within reach of deer and to encourage the growth of grasses and legumes on the forest floor. From the public relations standpoint, we have had very few complaints about our fires. . . . The great majority of the several thousand hunters who remove up to a thousand deer per year like our burning program. I believe that we should be looking for other management tools to replace fire, but that we should very carefully weigh the benefits and the detriments of fire before we ban its use in any area. (Ronald A. Phernetton, ’68)

One of the main problems involved (in burning) is the understanding of the total effects of burning in order to achieve consistent results either for forest reproduction or wildlife management. Several aspects should receive serious attention: . . . Long term studies with both ecological and management emphasis should be conducted. . . . Application of findings from one forest and soil type to another are usually not practical, and few generalizations can be made. The total picture for each type of situation must be worked out separately. . . . There is need for careful review and analysis of work done in both ecology and management areas to integrate findings to date and to avoid duplication of efforts, a fault of present and past work. (Clifford E. Ahlgren, ’48)
The most positive thing I see, is increased emphasis on research to try and develop a factual basis in society as to what the results of certain types of burning are. What is put into the air when we burn?...

We can, through research, learn something about the relationship between the condition of the fuel; how green the slash is, what the moisture content is as affected by the drying period, and the weather and season it is burned. You can develop some relationships to find out what fuel conditions give dirty fires, and what fuel conditions give clean burns. ...

The obvious answer a lot of people come up with is 'Don't burn.' Suppose you don't burn. One of the things we know is that we're developing fuel complexes that are problems. We can develop unnatural concentrations of fuel where we go twenty, thirty, or forty years without fire, where the natural situation is for a five to ten year frequency of fires. If we don't find a substitute for burning, and we outlaw burning, then we are going to be piling up fuel, and the problem of the catastrophic fire arises. This is the point which we really have to help the people understand. ...

We need quantitative information so that people engaged in burning can answer the question, 'What are you putting in the atmosphere?' You should be able to say from each ton of material we burn, we put so many pounds of particulate matter, CO₂, water vapor, and other material into the air. This is the kind of information that is really important. And the research agencies are going to have to get it. (Professor Frank D. Irving, '49)

As in all forms of management decision-making, forest management activities should ideally be selected on the basis of rational comparisons among alternative strategies. In the case of prescribed burning, however, the current state of fire behavior and fire effects knowledge is often insufficient to permit reliable evaluation of all costs and benefits. There is no question regarding the effectiveness of properly applied prescribed fire in meeting objectives such as seedbed preparation, hazard reduction, etc., but quantitative evaluation of the net influence of fire on environmental quality is not easily accomplished! Since information on most alternative silvicultural practices is no more conclusive in this respect, the concept of totally objective decision-making becomes somewhat mythical. Nevertheless, the fact that fire is the only 'natural' phenomenon included in the arsenal of forest management practices offers logical justification for its use despite the uncertainties involved, while mechanical, chemical, and other artificial treatments cannot be justified in this manner. Research is definitely needed to determine and attempt to minimize the deleterious consequences of land management alternatives with respect to air, water, soil, and living systems so that rational decisions can ultimately be reached. Until then, in this time of deep concern for the "wildness" of our natural environment, we professional foresters must implement management strategies that can be justified on the basis of their natural role in the development of forest ecosystems. Prescribed fire, I contend, satisfied this prerequisite. (Pete Roussopoulos, '69)

The Impact of the Forest Visitor

Minnesota Outdoor Recreation Situation

Demands on Minnesota's recreational areas have been increasing steadily in recent years in accordance with a nationwide trend. The number of visitors to our state parks, for example, have increased from 3,613,020 in 1960 to some 5,969,000 in 1970.

Many new designs of all terrain vehicles are now available to many more people, and all terrain vehicles are increasing rapidly in popularity. Some of these vehicles are capable of maneuvering in almost any situation, and they have a potential to damage our natural areas. We must study and devise procedures that will permit the public to utilize our outdoor areas more fully with the newly developed machines without damaging our natural areas or permitting them to be completely destroyed by overuse.
At the present time, Minnesota has 177,000 snowmobiles registered, and we anticipate that by 1976 more than 350,000 snowmobiles will be registered. We do not believe that snowmobiles should be considered in quite the same category as all terrain vehicles, because they are used during a different season when the potential for damage is somewhat different.

The snowmobile makes possible family type outdoor recreation during the winter season. Although a relatively small percentage of snowmobile operators are causing complaints to be registered, we believe that the entire sport should not be condemned because of the improper acts of a few.

Complaints received from private property owners and citizens include the noise created by snowmobiles especially when they are driven during late hours close to residences. Complaints also include the unauthorized use of private property, vandalism and littering of both public and private property.

Important first steps have been taken in establishing laws and regulations concerning the operation of snowmobiles. The present legislative session is also considering important amendments that we believe will permit users to enjoy what is really a healthy outdoor sport while at the same time establishing adequate controls.

It is interesting to note that the last Minnesota Legislature provided funds for the establishing of trails, the maintenance of trails and provided other facilities needed by citizens who would enjoy the sport. The charge of 88.00 for three years registration for snowmobiles made money available for appropriation to the Minnesota Department of Natural Resources, and it is interesting that few other states have had this kind of financing available.

More than 1,039 miles of snowmobile trails were added during the past biennium to bring the total available developed trails to 1,771 miles. Some 9,000 signs and posts have been installed, demonstration trails established and bridges constructed. Other important accomplishments with this financing include the construction of 50 snowmobile shelters and 35 additional parking areas. These funds have also been used to maintain the trails, replace signs, remove hazards, control brush, etc.

The more than 8 million acres of state-owned land within state forests provide a unique opportunity for snowmobiling on abandoned logging trails and many of these trails are not as yet identified with signs nor are they included in the total mileage of developed trails.

Because of the different management problems within our state parks, snowmobiles are required to stay on established marked trails and are not permitted to run in other areas. Some of our wildlife management areas and other areas must be closed completely to snowmobiling where the sport is completely incompatible with management purposes.

At the present time, our state forests are our best source of additional snowmobile trail mileage but education must be continued so that snowmobile owners will voluntarily stay out of plantations and avoid areas where tops of small trees project above the snow.

We believe that continued research is necessary in order to understand all of the effects of snowmobiling on our environment and natural areas. The state has contracted with the Bemidji State Teachers College to study the effects of snowmobiles on game, natural environment, vegetation, etc. Undoubtedly, research such as this must be continued over a considerable period of time. Knowledge gained must be utilized.

It is encouraging to note that many snowmobile enthusiasts have expressed an interest in helping control littering, damage to our natural areas and other violations. This type of cooperation will reduce total management costs.

I hope you will excuse the focusing of attention on the snowmobile at this time, which we all recognize as being only one part of the outdoor recreation program. Much could also be mentioned about the other important phases of outdoor recreation...

forestry students, please note:

Will there be employment in the future for forestry students? Because of the serious natural resource management problems, I can see only one direction that employment can go. We are just going to need more and more skilled professionals to do the job. I don’t know what the timing will be or how fast employment will be expanded, but the present slack economic situation will improve.

Most of us have seen the forestry employment situation fluctuate through the years, but the general need for experts is expanding. I hope that younger foresters will not become discouraged by any temporary lack of employment but stay with the profession. Chances are they will be badly needed before long and will be a great asset to our society. (C. B. Buckman, ‘40, Deputy Commissioner of the Minnesota Department of Natural Resources)

The Role of the Forester in the Future

Many of the alumni left commenting on the specialized fields to the specialists, but voiced their thoughts on the future role of the forester and the profession. The following is a sample of their remarks:

It is a strange commentary on our times that the public (and other scientific disciplines) are finally catching up and repeating the things about conservation and the environment that the Foresters have been preaching for 75 years in America and 200 years in Europe and stranger still that they can’t recall who told them — make no mistake the Foresters are still the best trained men and minds in the conservation and environmental fields and you can bank on it that they’ll continue to be — we just need to keep...
The role of the forester of the future will most likely change more rapidly than it is changing now. He will become more generalized in the sense that he will be dealing with an expanding profession and a field with many specialties, all coordinated by the forester. The profession will expand, then, with the "specialized forester" composing the core.

The forester of the future will have to work more with the public — motivate them, know them and understand them, and then become involved with them and their community. With this complete an involvement, he will become socially aware and responsible to his organization while respectful of the public. Tactfulness with the special interest groups will be invaluable. (Richard Skok, '30)

Above all, he (the forester) must be attuned to the needs of the people who use the lands he administers and willing to take their needs into account when drawing up his management plans. Here, I believe the term "people," encompasses not only the owners of the land, if he be an industrial or private forester, but also the public, who use or wish to use these lands.

Secondly, he must be a Resource Manager, not just a "sawlog forester." This is the big challenge to foresters in the '70's. If we expect to be allowed to manage the woodlands under our control, we must demonstrate our competence to do so. If we, as resource managers, are not able to do so, we will have to take a back seat to those who are often less informed and pressure groups, who would like to dictate the management of our woodlands. . . . There is an increasing awareness by the public of the importance of our environment and, specifically, the need for the conservation of all of our natural resources. The real role of the forester, now and in the future, is to demonstrate leadership as a resource manager. . . . (Sam Dickinson, '49)

We all agree that it's important for a graduate to be able to communicate and be able to participate in small groups effectively. We would hope that all of our students would be leaders in a way, but where do you find courses in leadership? Where do you find opportunities for training in operation of small groups? You don't really. You have to depend somewhat on those kind of talents just being there, or developing them on the job. This doesn't mean that the student shouldn't have a pretty good kick-back of professional savvy; but he also ought to be able to talk to people who aren't "forestry" about subjects which aren't forestry related. This is going to become increasingly important if the so-called "environmental crisis" retains its viability. Almost everything a forester does is environmentally related and always has been. But the kind of environmentalism that seems to be important now, while it leans a bit on the natural environment, is really a sociological, political kind of animal. And the forester, with only technical training in biology and forestry science related courses, will be totally unprepared to be an effective professional or leader who provides useful inputs into the environmental decision making process. No matter how fine a technician he is, he just won't be able to do it. (Dr. J. Hughes)

Increasingly, foresters are people-oriented. To maintain leadership, the profession must respond to people's expressions of their needs. Not that this is new — but we need continually to be reminded that we manage the forest in response to people not what we think is in the best interest of the resource. . . . Are we listening? Do we really hear people say what they believe to be important? And are we then sufficiently flexible (and wise) to adapt our technical knowledge and professional expertise to meeting the desires expressed? In my judgment, these are crucial questions as we contemplate the future of the profession. (Don Duncan, '51)

Foresters now and in the future should not only be leaders in managing the Forest environment, but should also be the leaders in keeping his fellow citizens correctly informed about the resource management problems this country faces and the proper solutions to them. This is a big responsibility; but unless all Foresters get into the public eye and "tell it like it is" we as a profession can expect to be lost in the emotional flood waters of the preservationists and flounder with them. (Paul J. St. Amant, '31)

Up until the present, foresters have attempted to be good land managers but now they can no longer afford to be just good land managers. They must also be good stewards of the large tracts which they control since people are becoming more and more aware of the interdependence of all living things on our "spaceship," earth. Foresters through their large forested land holdings have control over a vast oxygen-producing and water-recycling machine which can be efficient or inefficient depending on the type of management plan which is implemented in the field. . . .

Forestry will become increasingly important as more people realize that trees are one of the few renewable natural resources we have on earth. . . . (David Hakala, '68)

The average forester of today needs additional training to be the total resource manager of tomorrow. Some still have the mistaken notion that if they practice good timber management everything else will fall into place. Not so! Mister Average Public is more interested with the other uses of the forest than wood production. He is concerned with environmental quality, personal and commercial recreation, wildlife and water. The FORESTER MUST UNDERSTAND THAT THE PRIME CONCERN OF THE PUBLIC IS NOT THE TREE, BUT THE MAN!

Tomorrow's forester cannot hide in the deep solitude of the forest. He must have a thorough grasp of social and management sciences.

We must get the forest into full production, not only for wood, but also for the other non-consumptive and aesthetic
uses. In the future, the other uses of our lands may equal or even outweigh the tangible products produced in our forests. (Frank Uscnik, '40)

The following is a portion of a letter written by T. Ewald Maki to the Commissioner of the Tennessee Department of Conservation. Mr. Maki wrote his letter when he came across a Department publication that made certain erroneous implications against our profession. We feel the last paragraph, in particular, further emphasizes the need for a renewed effort in communication.

...We might continue by asking how it has been possible for your speech writer to escape learning about the restorative measures that foresters have applied throughout the South and elsewhere to gullied hill lands, or about the tremendous effort that foresters are now making to assure the success of the South’s Third Forest. One has to be insensitive to one’s environment not to have noticed these achievements.

Nearly forty years ago (in 1931) I worked briefly in Tennessee and vividly remember the ghoulish hill lands glittering red and yellow in the bright autumn sunlight. I was a forester then, young and angry; young enough to be filled with hope, but angry at man’s stupid use of the land resulting in such severe damage to the soil resource. I believe I helped in a small way, through study and trial, to develop means of reclaiming the worn-out farm fields to acceptable forest production. It seems fair to recall that the decimated condition of Tennessee’s hill lands existing in 1931 had not been brought about by foresters. But foresters have contributed significantly to restoration of a forest cover to a large acreage of previously horribly abused Tennessee farm land.

I am no longer young, but I am still angry. And I become angrier contemplating that now nearly three-fourths of the way through the 20th century, cultured, learned, sophisticated speech writers, as yours in Tennessee, have evoked burning, etc. Based on his formal training and experience and the experiences of others, he asks — ‘How will this management activity affect the natural resources involved now and in years to come?’ (Maki, ’30)

The following comments were from a sampling of alumni, staff, and students. We especially would like to thank those who took the time to contribute to this section. Unfortunately, space was limited, and we apologize to those who did not have their comments published.
DOUGLAS AASEN, Columbia Heights, Minnesota

CLIFF AICHINGER, St. Paul, Minnesota
Recreation Resource Management, I-M Sports, 68-71; Skeewaksurs, 67-71;
Student Center Board of Governors, 68-70; Forestry Club, 67-71.

DOUGLAS JAMES ANDERSON "DOOGLES," Brooklyn Center, Minnesota
Multiple Use, I-M Sports, 67-71; Foresters' Day Publicity Chairman, 69;
Foresters' Day Events Chairman, 70; Conclave, 67-71; Captain, 69;
Forestry Club, 67-71; Sgt. at Arms, 69-70; Forestry Club President, 70-71;
Student-Faculty Board, 69-71; Program Committee (Norman Borlaug Appreciation).

GEORGE ASMUS, St. Paul, Minnesota
Wood Products Utilization, Forestry Club, 68-71.

ALFRED N. AXELROD, Silver Spring, Maryland

MICHAEL AXTMAN "MIKE," Minneapolis, Minnesota

RICHARD AXTMAN, Minneapolis, Minnesota
Multiple Use, I-M Sports, 70-71. Transferred from the University of Minnesota-IT, 1968.

WILLIAM M. BAILEY, Chatfield, Minnesota

TOM BASTEN "TOMMY," Chicago, Illinois

BOB BEHR, South Saint Paul, Minnesota

RON BELONGIE, Houston, Minnesota
RONALD C. BERG, White Bear Lake, Minnesota

GARY DONALD BERGQUIST, Mountain Iron, Minnesota

JOHN BEYER, Luverne, Minnesota

MARK A. BOCHE, St. Paul, Minnesota

RON BOWEN, Long Lake, Minnesota

LEROY BRISKE, Rochester, Minnesota

DOUGLAS B. BROWN, Whiting, Indiana
Multiple Use. Forestry Club, 65-71.

JOHN M. COLFORD, JR “GEORGE GOBEL,” Minneapolis, Minnesota

STEVE DIRKSEN, St. Paul, Minnesota
Multiple Use. Transferred from St. John's University, 1969.

DON ESTALL, Richfield, Minnesota

STUART A. FOX “STEW,” Hopkins, Minnesota

JEFFREY S. FUHS, St. Paul, Minnesota
Timber Production. Foresters' Day Field Chairman, 70-71; Xi Sigma Pi, 70-71; Associate Forester, Alpha Zeta, 69-71; Secretary, 70-71; Forestry Club, 67-71; Society of American Foresters, 70-71; Forester, 70-71; Business Manager, Treasurer, Cloquet Diners' Club, 70. Summer Jobs: 1970—Research Assistant, University of Minnesota, St. Paul, Minnesota.
JIM FURLONG, Grand Marais, Minnesota  

MIKE GALVIN "BULLDOG," South St. Paul, Minnesota  

BILL GHERARDI, Hibbing, Minnesota  

ROY HAWKS "SAM," Deerwood, Minnesota  

CYNTHIA R. HEABOCK "CINDY," Edina, Minnesota  

THOMAS HENDERSON, Golden Valley, Minnesota  

ROBERT HOFFMAN, St. Paul, Minnesota  

RICK IVERSON "TRICK," Wyoming, Minnesota  

ROBERT JOHNSON, Hopkins, Minnesota  

JOHN J. KLINKHAMMER "KLINK," St. Paul, Minnesota  

BETH MONTGOMERY, Calgary, Alberta  
Multiple Use. Forestry Club Historian. 70-71. Summer Jobs: 1970—Bachman's, Minneapolis, Minnesota.

KEITH NIELSEN, Aitkin, Minnesota  
JOHN C. NOTSCH, New Brighton, Minnesota

RICHARD OLSON, Virginia, Minnesota

DARWIN PRIBE "CHIEF PROPHET OF THE GREAT BLUE GOOSE." Slayton, Minnesota

ANTHONY T. RICCOBONO "TONY," Wappingers Falls, New York

DOYLE RICHARDS, Eau Claire, Wisconsin

DENNIS R. SAMPSON, Thief River Falls, Minnesota

GORDON SANDERS, Circle Pines, Minnesota

JAMES R. SCHRAKE, Richfield, Minnesota

ARNOLD F. SETZLER "ARNIE," Osseo, Minnesota

THEODORE SHEPPARD, Blaine, Minnesota

DUANE SIPPEL "SIP," Albert Lea, Minnesota

JOSEPH SPEHAR, Mt. Iron, Minnesota
DAVID MICHAEL THORSON, Cumberland, Wisconsin

JOHN VIEL, Milwaukee, Wisconsin

DAVE WANGSNESNESS "WANGER," Grafton, North Dakota

DONALD WEHLAND, Minneapolis, Minnesota

JOHN KENTON WICKLAND, Minneapolis, Minnesota
Recreation. Transferred from North Dakota School of Forestry, 1968.

THOMAS WITKOWSKI, New Brighton, Minnesota

GUY ARTHUR WOLD, Cass Lake, Minnesota

NO PICTURES AVAILABLE

EDWARD BIRKETT, Northport, New York

JOHN BROVSKY, Stillwater, Minnesota

MICHAEL R. BOYD, St. Paul, Minnesota

GERALD A. BRUNNER, Stillwater, Minnesota
NO PICTURES AVAILABLE

JOHN C. CLAUSEN, Minneapolis, Minnesota

CARL DENKINGER, St. Paul, Minnesota

DARRELL DOSTAL, Owatonna, Minnesota

ROGER HOWARD, Aitkin, Minnesota

STEPHAN KARTAK, Hopkins, Minnesota
Multiple Use. Transferred from MSAC, Walnut, California, 1968.

CARL LINDBLOM, Stillwater, Minnesota

WALTER MURFIN, Lake Park, Minnesota

DAVID C. NELSON, Minneapolis, Minnesota

MICHAEL E. OSTRY, Minneapolis, Minnesota

DAVID PETERSON, Minneapolis, Minnesota
Watershed Management.

WALTER D. RUCKHEIM, Parkers Prairie, Minnesota
Recreation, I-M Sports, 66-70; Campus Carnival, 66-69.

GORDON A. STRAKA, St. Paul, Minnesota
Natural Science. Summer Jobs: 1970—Forestry Aid, USFS, BWCA.

JEROLD UNTIEDT, Edina, Minnesota
Forest Products Marketing.

REMEMBER ???
HEY-OH
Yuk Yuk Yuk
Sign up in Room 15
Bounce back
Have a good weekend
Bad break for ya
We'll see
Whatever turns you on
If that's what you want to believe
Give me some slack
Don't miss a meal Rick
A buck a throw
Last chance to see all the guys
Institutional furniture
Timber Management plans
T. Bear
Ted's, Manning's and the Terminal
Brewery trips and hockey games
"No, I can't say that I'm too worried about the job situation"
JUNIORS

Front—(L-R) Daniel Dowidat, Tim Capistrant, Brian Marinello, Warren Larson, Ken Benson, Christopher Risbrudt, Jeff Herrett.
Middle—(L-R) Lyle Dittman, Dick Rollefson, Maurice Anding, Paul W. Peterson, Don Riewensen, Pat Weicherding, Pete Ruikka, Jim Budolfson, Keith Hanson.

Front—(L-R) Steven Hallgren, Wilfred Huot, Ron Walker, Don Streiff, Tom Peterson, Greg Johnson.
Middle—(L-R) Mark Shaw, Phil Mattson, Larry Katchman, Fred Wagner, Bill Hipp, Larry Slater, Jerry Potteroff, Jim Goebel, Tom Simonson.
Back—(L-R) Kent Mason, Richard Erickson, Dale Blomberg, Dennis Kanten, Mark Jensen, Dan Hurley, Milo Rasmussen, Darrell Richards.

JUNIORS NOT PICTURED

Anderson, Gerald
Andrews, Robert
Arens, Alousius
Austin, David
Barber, Delos
Boldt, Donovan
Britton, Kenneth
Carlson, James
Donovan, Larry
Duvall, LeRoy
Elness, David
Engelking, Benjamin
Gergen, Randy
Haas, John
Haertzen, Douglas
Hagstrom, Robert
Halstead, Richard
Hayes, William
Heinrich, Jon
Johnson, Arvid
Johnson, James
Johnson, Wayne
Kemske, Jonathon
Kramer, Charles
Magnuson, Thomas
Marlow, David
Martinson, Thomas
Mattison, David
Miller, John
Miller, Richard
Nelles, Bruce
Nelson, David K.
Nelson, David L.
Olson, David
Olson, Robert
Outcalt, Kenneth
Page, Douglas
Jolles, Martin
Moening, Veron
Probst, Timothy
Prank, Terry
Rein, James
Saffert, David
Sawicki, Robert
Sayler, Rodney
Schipper, David
Shaffer, Gary
Strong, Terry
Vantassel, Mark
Worthman, Terry
Bremieher, Timothy

Broberg, Paul
Bump, Thomas
Erickson, Leif
Mershon, Ted
Norell, Charles
Olson, David
Hofsted, Eric
Danger, Tom
Ritchie, Glen
Anderson, John
Berglund, Scott
Carroll, David
Doran, George
Jacobson, Charles
Riggle, Frank
Homuth, Dale
SOPHOMORES

Front—(L-R) Ralph Greiling, Ken Thomsen, Clair Smith, Leo Johnson, Fred Souba.
Back—(L-R) Mark Julich, Steve Otterness, Don Golnick.

Dan Timm, Alan Carlson, Mark Helgeson, Mike Appel.

SOPHOMORES NOT PICTURED

Anderson, Philip
Andrie, Greg
Ashton, Dave
Bangert, Richard
Benson, Todd
Block, Robert
Bogen, Philip
Brown, Craig
Cadotte, John
Campbell, Thomas
Carlson, Jack
Carroll, Donald
Christensen, Neil
Coffin, Steven
Cornell, George
Dahman, Greg
Despot, Robert
Dubois, Steven
Durst, David
Eggum, Terrance
Elfelt, Joseph
Elinger, Sharon
Fleck, Edward
Foley, Francis
Gallay, Thomas
Gans, Joseph
Gitzin, Charles
Grabko, Garrett
Gramith, Karl
Grönquist, John
Hane, James
Hanson, John
Hanson, Keith
Hanson, Larry
Hanson, Todd
Hargrave, Bryan
Hauge, Jerald
Howell, Sam
Hudler, Philip
Insley, Gary
Jagusch, Bradley
Jahnke, Thomas
Kanten, Neil
Kieper, Alan
Krafthefer, Paul
Kucera, Robert
Latawiec, Chester
Lichtenberg, Michael
Marks, Robert
Maser, Larry
Meisch, Robert
Mell, Randall
Mueller, Bruce
Myers, Mark
Nelson, Dawn

Ness, Dallas
Nielsen, Stephen
Nightengale, Donald
Norby, Ronald
Noreen, Loren
Oja, Michael
Olson, Richard
Pariseau, Greg
Pavlish, William
Pearce, Robert
Peterson, Mark
Peterson, Paul
Polasik, Thomas
Poole, Brent
Prenevoost, Stephen
Rholl, Vernon
Rick, Thomas
Robertson, Greg
Roy, Jeff
Rude, Keith
Ruona, Robin
Saltzman, Neil
Sames, Wayne
Scarborough, Robert
Schaefir, Gail
Schneider, Stanley
Schuur, Steven
Sellner, George
Shannon, John
Shippy, Laura
Skallerud, David
Smith, Sheldon
Spence, Gay
Stiger, Kenneth
Sullivan, Timothy
Switzer, Donald
Thomas, Alan
Ustruck, Greg
VanHulle, Gary
Wagner, Lloyd
Wallen, Diane
Wawra, Thomas
Weber, David
Wilson, Roger
Wood, Alan
Wood, Joseph
Wriskey, Richard
Edwards, James
Yost, Michael
Pocht, James
Lindquist, Craig
Nielsen, Keith
Wita, Thomas
Arntzen, Paul
Rossing, LeRoy
FRESHMEN

FRESHMEN NOT PICTURED

Bankovics, Peter
Barger, Scott
Bobrycki, Mike
Breining, Greg
Busch, Virginia
Carlstrom, Scott
Dubois, William
Frantes, Mike
Gebhard, Max
Hanson, Lawrence
Harkins, Kevin
Haugen, Ronald
Hodgin, Mark
Houghtaling, Thomas
Jensen, Douglas
Lang, Steve
Lund, Norton
Maier, Thomas
Miskovic, Wade
Moore, James
Mugnag, Robert
Mullenburg, Larry
Olson, Jerald
Opong, Bediako
Peterson, Bruce
Puona, Lew
Scanlon, Richard
Schroeder, James
Schwartz, Richard
Swanson, Gary
Varro, James
Walton, Wesley
Wasmundt, Steven
West, Jay
Westermann, Mark
Wiberg, Burt
Williams, Craig
Zoerb, Donald
Foney, Claudia
Marshall, Gary
Sundmark, Daniel
Thelander, Craig
Yurista, Daniel
Rice, Donald
Strom, Greg
Waldron, Taylor
Beech, James
Camp, Douglas
Safo-Sampaie, Stephen
Thorson, David
Riester, Floyd
Murphy, Tim

Middle—(L-R) Neal Jennewein, John Biermann, Ray Kaufmann, Mike Budde, Joseph Jordan, Roger Arcas, Tom Norton, Randall Mell, Brian Matson.

Front—(L-R) Bradley Rhodes, Tom Kramarzick, Alfred Grigg, Pete Dean, Tom John, Nicholas Adler, Joseph Niznik.
Middle—(L-R) Peter Peterson, Terry Thompson, Terry Ann Lamb, Ray St. Martin, Ralph Wukler, Brian Berker, Les Miller, Larry Nelson, Loren Johnson.
Back—(L-R) Paul Brandt, Paul Larson, John Davis, Jay Young, Mark Frederickson, Jim Brass, Greg Fall, Steve Wesley, Greg Zebro.

Front—(L-R) Derrick Stolen, Dave Kaup, Gene Mueller, Kevin Larson, Noel Jenson, Carroll Korb, Jim Nosker, Brian Manning.
Middle—(L-R) William Kroona, Gary Johnson, Charles Kramer, Tom Warnke, Dean Wellner, Ron Josephson, Terry Vikla, Chris Boche, David Prisien.
Back—(L-R) Dave Rouxen, Bob Swininski, Lee Lindholm, Mike Slinder, Don Lockwood, Jeff Reed, Terry Hoel, Dave Rasmussen, Alan Ringer, Gene Zwech.
ACTIVITIES
Cloquet — Fall Session 1970

The Cloquet fall session had the students hitting the books pretty hard. So much, in fact, that Curt's may be in the red due to the low consumption by the hard-pressed foresters who have a reputation of putting away the ice cream.

The first Sunday of the session included the Robin Hood tactics (rob from the rich and give to the poor) in the quest for adequate furnishings and the traditional opening night ice cream social at Curt's.

The classes were traditional, too, but we had a hard time fitting them between the football games. Our controlled burn never got out of the doorway because we couldn't. Dr. Irving, after thirteen calculations with four tables for reference, determined that 100% humidity for the entire week wasn't good fire weather... Inventory was expensive. Quite a few guys came back from their wanderings with just cuffs from their raincoats... The utilization trips were really something. What an educational thrill to visit the pallet plant... During grouse week, Mr. Gullion had the heartless audacity to call an evening class on the same night as the Viking-Ram football game.

Every session has its character. Ours was the stealthy and devious "Fred Bear." Good old Fred sure kept things going. He instituted the famous forest protection bunker and the Fred Bear Memorial Forest dedicated for the improvement of moose habitat. Fred also led the way on the traditional removal of the bell and a chimney plugging, not to mention the work he put into filling a certain stove with snow one weekend. When Fred wasn't on the rampage, we managed to find time for football games, with Tom Fink leading us on the field and at the training tables after the games.

No matter what we think of first when looking back at Cloquet, whether it be the hunting trips after class, Fred Bear's escapades, those nights in Superior, or the knowledge we gained, the Cloquet session had its memorable moments and was undoubtedly a high point of our forestry education which will long be remembered.
Cloquet - Spring 1970

by Darwin Priebe

The 1970 spring session at Cloquet will undoubtedly remain in the minds of those who attended for a long time. The staff, in general, did an admirable job. Professor Neetzelt was there to show us his renowned fence post graveyard, while Gordy Guillen indoctrinated us on ruffed grouse. Dr. Brown was present for the first lecture and then went into seclusion for the remainder of the session. Other than the usual gripe of paying them too much, we got along well with the cooks, as attested by our gain in weight. For those of you who may attend Cloquet after us, you may be interested to know that it was during our session that red Kool-Aid was incorporated as a staple part of the diet.

It was also during our session that the legend of the Great Blue Goose had its beginning. With no Bull of the Woods, for communication, GBG appointed me as chief prophet. The major prophecy of the session was spoken when a disagreement between Mr. Peek and the Browse group occurred over a certain concise professional report. It read: "May the GBG which rises majestically in the west and flies slowly toward the east, ______ on your head."

A number of forms of recreation were utilized by the Cloquet group. Ice cream headquarters was Curt's place with a branch office located at the Hub. "Quickie" Setzler became a leader of men by leading them to Curt's after the volleyball games. Bill Gherardi's volleyball team insisted they could beat Jim Dientsel's team, and proved it by winning two of the fifteen games. Gary "T-Bear" Berquist and Dewey Sippel led the all-star team that drubbed the faculty and "Campus Clowns" in three consecutive games. After the game, we asked Dewey what he quenched his thirst with after a hard game, and he immediately replied with "A cold pitcher of red Kool-Aid???"

The spring ice cream social was the highlight of the session. After returning to camp, one cabin found their mattresses missing, "Trick" Iverson mistook a stump for a football, some sleepers were disturbed by late night callers, and yet others were affected by a localized earthquake in the vicinity of the dinner bell. The next morning Professor Smith didn't find the bell's position in the middle of the parking lot at all funny and suggested that it be repaired and returned before Dr. Brown heard about it. (Dr. Brown doesn't believe in earthquakes.)

So ended the Cloquet session, and we will always remember: Beautiful downtown Bena; Smelting and Silviculture at 8 a.m.; Beth driving the Bombardier; Arnie and "Friday" taking a "spin" in the ranger; Misty Blue and "Thor" on stage; and George's boat arriving for 8 o'clock class.
Itasca 1970

by Don Streff

On Tuesday, September 1, 1970, the University of Minnesota Biological Station in Itasca State Park was once again blessed with another onslaught of foresters.

Just before noon on that day, the multitude started to arrive, and by 5:00 P.M. the Itasca campus echoed with such annual cries as, “Which way to the ice cream parlors?”, “Where are they?”, and “How many?” It was rumored that numerous convoys of ice cream trucks had been seen unloading their precious supplies at such landmarks as Seaberg’s and the Trading Post. It was also said, that the hotline from the park ranger’s station to the Governor’s mansion had been activated.

After the late arrivals had finished jockeying for prime cabins (ones with indoor facilities), we were given a brief preview of the upcoming weeks by Dr. Hallgren, the Camp Boss. Before adjourning for a night of relaxation, we divided up into four groups: A, B, C. and D. Our schedule for the next 3 1/2 weeks revolved around the notorious group in which we were placed.

On Wednesday morning, at the unearthly hour of 6:45, we were awakened by that wonderful alarm clock, the dining hall bell. Actually, it was quite dependable, because it was only muffled once during our stay. The culprits are still at large. After stuffing down our first of many enjoyable meals, the groups stumbled to their assigned locations and tried in vain to engage their brains in the early morning impossibility of thought.

Groups A and B were the first to take part in the 140 plant identification course called botany, which was administered by Dr. Scotty Scholten and Darwin Ness. For those of us who had not taken dendrology, the process of taking a mental picture of a plant, fighting for a sample of it, and trying to write down the process of taking a mental picture of a plant, fighting for a sample of it, and trying to write down a few identifying characteristics was a scramble. All four groups became so adept at taking samples that next year credits may be given under the heading of “Defoliation.” It was overheard that certain University of Minnesota officials at Itasca were seriously concerned about the park being overbrowsed by forestry students. On one of the forays in the park, a botany instructor claimed he didn’t know any of the motley whistling (March from the River Kwai) group behind him.

While groups A and B indulged in botany, groups C and D were introduced to the many phases of ecology. The ecology course ranged from soil pits to crown class identification. Some of the more memorable sessions were: the jog to crown development, led by pacer Dr. Paul “Rabbit” Rudolph; the identification of the indistinguishable soil horizons in soil pits, by Dr. Ed Sucoff and Joe “Digger” Brady; the application of our artistic talents to sketching of stand structure under the direction of Dennis Bodin; the intensive forest measurements exam, almost everyone was able to leave the session a day early. By the following noon all that remained of the 1970 session were: tiremarks in the parking lots, empty ice cream cans in the trash barrels, and the sighs of the park ranger as the last forester “careened” out of the park.

In all, it was an enjoyable summer session and will always remain an outstanding and memorable educational experience.
The Old Bonfire

by “Hockey Puck” Morrissey ’71

In the western sky, Velveeta, beloved evening star of the elves and handmaid of the darkness, rose and greeted Noxzema, bringer of the flannel tongue, and clanging on her golden garbage pail, bade him make ready the winged rickshaw of Serutan, herald of the evening. Thence came the rosy-eyed Ovaltine, she of the fluffy tongue, and lightly kissed the land west of the seas. In other words it was dusk and once again time for that rollicking bash known as the Forestry Club Bonfire. Whoopee! First on the agenda was supper and once again we were treated to that nauseating concoction of beans and wiener and stale potato chips. I won’t say the wiener were old but if the horse they came from had been alive he could probably have told some first hand stories about Wendell Willkie. I won’t say the beans were bad but the pygmies came all the way from South Africa to dip their darts in them. One helluva crowd was on hand for the event and a particular group stood out because no one would talk to them and they seemed to be dressed better than the average hermit. They wore vibram-soled Florsheim shoes, Malcolm Moos sweatshirts and Sears specials sport jackets. That’s right, they were the faculty. Well, by and by old Duane Sippel stumbled along with the grub and was promptly beaten to a pulp by a horde of greedy juniors, and the feast was on. 140 retards charged for the trough-like tables. Through this insidious mess walked a giant marshmallow of a man who was to be leader (among other things). His name was Easy Doogles Anderson, Forestry Club Prez and only sane person in the area (sane that is, compared to the likes of Setzler, Gherardi and Boche).

Doogles eyes widened as he moped about observing legions of ravenous muzzles tearing and snatching at beans and franks, oblivious to all else. Few faces were familiar to him in the grunting, belching press that lined the gorging-tables, but fewer still were not already completely disguised in masks of dried bean juice and pop. It was only then that the young forester realized the truth in the old addage, “It takes a heap o’ vittles to gag a forester!”

It was, nevertheless, a splendid party, decided Doogles, as he dodged a flying hot dog. Moodily he studied his fellow foresters as they noisily crammed their maws with beans and jammed stray bits of greasy wiener into their jackets and coin-purses “for later.” Occasionally an overly zealous diner would fall unconscious to the ground, much to the amusement of his fellows, who would take the opportunity to pelt him with garbage. Garbage, that is, that they weren’t stowing away “for later.” All around was the sight and sound of gnashing forester teeth, gasping forester esophagi, and groaning, pulsating forester bellies. The din of gnawing and munching almost drowned out a group of juniors led by Stump Marinello who tonelessly recalled an old conclave song:

Did you hear the one about the old Indian who was sick?

---

Bet ya can’t eat just one!

We foresters are a hairy folk
Who like to eat until we choke.
Loving all like friend and brother,
We hardly ever eat each other.

Ever hungry, ever thirsting,
Never stop till belly’s bursting,
Chewing chop and pork and muttons,
A merry race of boring gluttons.

Sing: Gobble, gobble, gobble, gobble,
Gobble, gobble, gobble, gobble.

Foresters gather round the table.
Eat as much as you are able.
Gorge yourselves from moon till noon
(Don’t forget your plate and spoon).
Anything edible, we've got dibs on,
And we hope we die with our bibs on.
Ever eating we'll never grow up,
Come and drink and sing and throw up!

Sing: Gobble, gobble, gobble, gobble,
Gobble, gobble, gobble, gobble.

Suddenly there was a commotion and Doogles attempted to start the meeting. "My fellow foresters," he began, "I hope you have all stuffed yourselves until you are about to be sick." This customary greeting was met with traditional volleys of belching, signifying the foresters approval of the fare. Doogles then droned on for a while about the Forestry Club and all its silly activities and at last introduced Dr. Kaufert who took shouts of protest as encouragement.

**North Stars**

*by Mark Jensen and Tom Peterson*

On October 21, 1970, the Forestry Club sponsored the first of its planned outings this year with an "adventurous" trip to a hockey game between the Minnesota North Stars and the Montreal Canadiens.

The evening began in Green Hall with a bang, as Doug Anderson, Forestry Club President, conducted the bimonthly business meeting, as only "Doogles" knows how. With a splendid example of *Roberts Rules of Order* firmly etched in our minds, we retired to Room 15 where we had a supper of beans and franks, thanks to Chris Boche.

After supper everyone proceeded to a special free parking lot across from the Met Sports Center where the ice cream flowed freely even though the temperature was only ten above. By the time everyone had arrived, faculty and graduate students included, the ice cream had dwindled, and we made our way to the Sports Center to attempt to view the hockey game.

The game was characterized by vociferous support from seventy foresters. During the second intermission the scoreboard flashed "Welcome U of M For­

Esters Club" which was followed by a resounding howl from section 18.

Even though the North Stars lost 4 to 3, everyone thoroughly enjoyed themselves and the event was considered a great success!

They came from behind to lose.

Raise your hand Larry!

Winners of the Schmidt award.

---

and once again told his hokey "Indian joke." Those who tried to get away found themselves detained by strategically placed faculty members who also took notes on who laughed. One old hockey puck, known to be needing a few "points," burst into a spasm of mirth and shouted over and over something that sounded like, "Yuk! Yuk! Yuk!" He hasn't shut up yet. The rest of the ceremony was uneventful except for the Arnie Setzler incident. He kept running around screaming, "I'm a senior! I'm a senior!" We gave him a cookie and he went away. Speaking of cookies, Bill Gherardi took some of his cronies over to his apartment where they all had cookies and milk and sat around and talked about hermaphroditic plants. Oh yes, the event was a big success!
1971 Forestry Club Christmas Tree Project
by Brian F. "Stump" Marinello

Once again the Foresters of Minnesota had a record year of Christmas tree sales. Thanks to the hard work of many of the club members and to my co-chairmen, George Cornell and Dan Hurley, we took in over $3,000 profit for this year.

Our success may surprise many of the readers who visited the lot this year. Many wondered how such chaos could possibly make any profit. The same question crossed our minds, too. At first, the lot looked like the defenses along the Berlin Wall, but after the trees were on the racks, things started to shape up. On November 30, 1970, the gates were opened, and the customers flooded in (Hah!).

Several new innovations were put into action this year. Our "indoor showroom" (the old school house on the corner of Larpenteur and Cleveland Avenues), saved many a sale from being lost to the cold weather. People were really impressed with our fine selection of Scotch pine, Norway pine, spruce trees, and our Balsam fir were the best in the Twin Cities area.

The weekends were the big days for tree sales as usual, but we were really surprised to see so many people come at once. They "snapped up" trees faster than we could put them on the racks, and at times we could hardly take the money fast enough (We managed to do it somehow, though!).

The next thing we knew it was Christmas, all of the trees were sold, and all that was left was the "busy work" of billing and hiring the Bookstore's armored truck to haul away our money. We had a great time meeting all of the people and trying out our "hard sell" tactics on them. Those who worked there will never forget the experience, and we all look forward to next year's project.

Thanks again to all those who made this venture a really great success!

Midwestern Foresters' Conclave — 1970
by Bill Morrissey '71

For the last several years the conclave articles have been almost identical. They begin by describing how an optimistic team from Minnesota finishes a disappointing second or third and conclude with a prediction that next year's team will certainly win the first place chain saw. Unfortunately, this year's article will not be able to deviate from the pattern.

There was good reason for optimism this year. Captain Bob Maki had the team working out soon after school started, and in order to make the trip, each contestant was required to qualify in his event. Members of the team included Doug Anderson, Rick Iver son, Bill Morrissey, Brian Marinello, Fran Wagner, Fred Souba, Steve Hallgren, Phil Matson, Greg Johnson, Al Grigg, Larry Donovan, and Gary Johnson. Forestry Club Advisor, Chuck Hatch, accompanied the team as a judge.

Continued next Page
The host school was Purdue University, and on October 24th, eight teams met at the Hoosier 4-H Center for the 19th Annual Midwestern Foresters' Conclave. The disappointment was especially bitter this year because after the field events were completed, Purdue had won by a score of 34-33 over Minnesota. Michigan and Missouri tied for third and fourth with 15 points apiece while Michigan State carried home the bearskin.

Rick Iverson started Minnesota off on Saturday morning with a clutch win in tobacco spit. It was the fourth straight year Minnesota has won this event. After the initial event we went into a slump and failed to place in traverse, dendro, bolt throw and log roll. Purdue meanwhile wasted no time and picked up 25 points in these events, 10 of them in dendro. Just before lunch, Minnesota got back in the groove. After spending half an hour helping Purdue lower their "adjustable" cant and listening to a lot of grumbling by the judges, Bob Maki, Rick Iverson, and Steve Hallgren, showed 'em how one-man bucking is done. The trio placed first, second and third respectively.

During the afternoon events, we placed in three out of five. Managing to stay on top of his block this year, Bill Morrissey captured the chopping crown, while Bob Maki placed second. In chain throw however, we were shut out while Purdue picked up 8 points. Rick Iverson continued his fine performance with a third place in match split. The final regular event was two-man bucking, and here we put on a good show. Bob Maki and Doug Anderson won the contest, Fran Wagner and Fred Souha placed third, and Steve Hallgren and Bill Morrissey were fourth. The special event was a relay race which looked good on paper but proved to be boring to watch — until Minnesota's turn came, that is. Trailing by one point and with Purdue already disqualified, we gave it a good shot. However, despite Doug Anderson's heroic effort, a tenacious knot in the aspen block he was splitting refused to yield and time ran out. A similar fate had befallen the Purdue team.
Two qualities of the Minnesota team deserve mention. First, was the leadership example of Bob Maki. He entered the most grueling events and was the individual point winner of the conclave. Second, was the fantastic spirit displayed by every member of the Minnesota team.

The best that can be said for the banquet and awards ceremony is that it was an excellent example of how not to put on a banquet and awards ceremony. The movie they showed was so bad that people were yelling, "Up in front!" The awards ceremony was doomed from the start by the obvious lack of awards.

Brian Marinello and Doug Anderson led our forces at the "ice cream social," which followed. Without a doubt the boys from Southern Illinois University have the best repertoire of songs, but once again the foresters from Green Hall were last on their feet. In the field events and at the "social," practice pays off.

To sum up a little differently this year, I propose a brief poem which should be read next fall before departure to Michigan State.

"Wait 'til next year!" We heard you shout it.
Well this is next year, now what about it?

Xi Sigma Pi
by Rick Iverson

The fraternity of Xi Sigma Pi has for the past few years maintained and executed the exclusive function of scholarship recognition. To do this, the fraternity has recognized those forestry students who achieved high scholastic standing and displayed desirable character traits. In addition to this, Xi Sigma Pi also has maintained a Freshman Honor Roll in room 110 Green Hall for the freshman with the highest GPA. During the past year, Xi Sigma Pi carried out these same functions of scholarship recognition, but it also initiated another function to aid one of its objectives; namely, improvement in the forestry profession. Reализing the need for communication within the forestry profession, the Delta Chapter of Xi Sigma Pi started a Speaker's Bureau which will hopefully aid the public in understanding the forestry profession. Problems such as clearcutting, prescribed burning, and so forth, which much of the public doesn't understand, can be cleared up through Speaker's Bureau presentations.

With the completion of slide-tape programs, the Speaker's Bureau will gain in popularity and will serve as an effective communication link for the forestry profession in addition to supplying students with speaking experience.

This year’s Initiation and banquet was held on February 24 in the faculty dining room of the Student Center. The speaker for the evening, Mr. Richard J. Myshak, who is the executive director of the Minnesota Environmental Science Foundation, talked to us on “Environmental Education — A Community Affair,” a topic which was pertinent to the Speaker's Bureau. Mr. Myshak's talk was inspiring and added a perfect climax to the annual initiation banquet.

With the new members being initiated, and new officers being elected in winter quarter, a smooth transition will occur between the 1970-71 and 1971-72 school years. This means that Xi Sigma Pi can perform more efficiently as an honor society and the Delta Chapter can continue with a successful Speaker's Bureau.
Foresters’ Day 1971
by Rick Iverson

Foresters’ Day is that time of year when forestry students, faculty, alumni and interested friends partake in the largest celebration on the St. Paul Campus. With the preparations being made as early as the first meeting of Forestry Club during fall quarter, it is no wonder that anticipation of this future event increases as the days of the activities draw nearer. Because of the help from many people of the Forestry Club, Foresters’ Day is always a success. Foresters’ Day 1971 was certainly no exception to this pattern.

As with all festive occasions, Foresters’ Day is presided over by a queen. To elect a queen, forestry students are asked to select candidates so that they may appear at the closed coffee hour. Here the Foresters’ Day chairmen judge the candidates and choose five finalists to be voted on by members of Forestry Club. With 25 candidates this year, the decision was hard to make. However, as in the tradition of all foresters, the girl-judging ability of the F-Day chairmen made it possible to choose Linda Wolf, Colleen Gunderson, Jill Johnson, Judy Hutterer, and Debbie Anderson as the five finalists.

Larry Donovan, the M.C. of the open coffee hour which is held three days before F-Day, prepared a fine program as an excellent start to the festivities. Carl Lindholm played his guitar and sang at the coffee hour and captured the interest of all the people in attendance with a very commendable performance. Doug Anderson then introduced the queen candidates and asked them questions, the answers to which every Daughter of Paul should know. A description of the prizes for the field events was then presented by Brian Marinello, after which Carl Lindholm again took the scene and ended an entertaining and successful open coffee hour.

The special event, which is held on Friday before F-Day, was a good prelude to the start of the actual F-Day activities. When everyone’s appetite had been satisfied by a tasty meal, they relaxed and enjoyed the entertainment provided by Walt Marfin and Tim Probst, who played guitars and sang some of our favorite songs, including “Logger Lover.” After the entertainment, Doug Anderson presented four Forestry Club scholarships to Duane Sippel, Bill Gherardi, Fran Wagner, and Brian Marinello. The Field Forester of the Year Award was then presented to Mr. George M. Hammel, ’49, by Doug Anderson. Then, after an introduction by the M.C., Bill Gherardi, our speaker, Bob Ray, talked to us about items of interest in the Minnesota Pollution Control Agency.

With the other activities over, it was then time for the fun associated with the big day, Saturday, January 23. Starting out with a well attended pancake breakfast on Saturday morning, everyone acquired adequate energy to carry them through the activities to come.

The student skit, directed by Fred Souba, was
highly entertaining and funny. Various incidents in the town of Sawdust, Minnesota, enacted by characters such as Silvics Scholten, made the skit apropos to activities and people in the College of Forestry.

After the skit, the queen coronation took place on the athletic field, where Linda Wolf was crowned Daughter of Paul, and Mark Boche was named the Son of Paul. Again this year, as in the previous year, no Uncle of Paul was chosen because of a lack of a 2/3 majority vote by club members.

Following the coronation, Warren Larson got the field events in progress by starting the tobacco-spitting contest. There were many competitors in all events this year, and everyone in competition worked hard for the valuable prizes. This year’s field events were highlighted by a special competition between guest foresters from Iowa State and Minnesota foresters in a relay race which included 1-man sawing, 2-man sawing, log rolling, chopping, snow-shoeing, and the pole climb. Needless to say, Minnesota’s fine team came through and beat Iowa by taking half the time to complete the relay. The Iowa foresters had fun competing, however, and they all enjoyed attending the other F-Day activities.

With the field events completed, the climax of F-Day, the Stumpjumper’s Ball, was next on the agenda. However, before the dance, foresters and friends went to the Venetian Inn for dinner. Others, numbering about 65, gathered at IMC to eat hot dogs and beans and consume ice cream. The gathering at IMC provided an excellent opportunity to suppress one’s hunger, talk about the day’s events, and get in the proper spirit for the Stumpjumper’s Ball.

Once at the Ball, everyone had a great time dancing to Ted Eastman and his band. At the first break, Brian Marinello presented the prizes to the field events winners; and Bill Morrissey was declared the overall point winner, receiving a canoe trip for the prize.

As the music ended at the dance, so did another Foresters’ Day celebration — a celebration which illustrates the cohesiveness among forestry students and faculty in hosting the St. Paul Campus’ largest activity in the spirit of good old-fashioned fun and sportsmanship.
Very funny, Dewey. Yuk, Yuk, Yuk!

You're too easy Doogles!

said Jigger Joe the logger.

Just wait until he tries that again!
SENIORS (3) 
VS. 
FACULTY (0)

No wonder they lost!

SPECIAL EVENT — OUTSTANDING FIELD FORESTER

Entertainers: Tim Probst, Walt Murfin. President Doug Anderson, Mr. and Mrs. George Hammer
Where did you get that ring, sweetie?

A second helping? You've got to be kidding!

CORONATION

1970 Queen Pat Augstin, the 1971 finalists, and Fran

'BREAKFAST'

It'll all come out in the wash!

"Meet you later at Ted's."

Queen Linda Wolf
Son of Paul
Mark Boeke

1970 Queen Pat Augustin, the 1971 finalists, and Fran
1971 QUEEN CANDIDATES

Judy Hutterer

Jill and Judy

Jill Johnson

Queen Linda Wolf

I cut class the day we studied water boiling.

Debbie Anderson

.at the closed coffee hour.

Colleen Gunderson
FIELD EVENTS

The navy taught me lots of good habits.

Ron Sulladay and Chris Peterson show 'em how it's done.

Guy keeps up.

Where's the first aid kit?

Let George do it.

Fred: "Are we going to scratch again, Fran?"
### Winners of Foresters' Day Events 1971

**One Man Bucking**
1. Rick Iverson
2. Bill Morrissey
3. Fran Wagner

**Two Man Bucking**
1. Bill Morrissey - Frank Koenig
2. Rick Iverson - Doug Anderson
3. Duane Sippel - Arnie Setzler

**Speed Chopping**
1. Doug Anderson
2. Bill Morrissey
3. Alfred Grigg

**Traverse**
1. Guy Wold
2. Fran Wagner
3. Terry Costello

**Log Roll**
1. Duane Sippel - Arnie Setzler
2. Bill Gherardi - Guy Wold
3. Rick Iverson - Doug Anderson

**Tobacco Spit**
1. Warren Larson
2. Rick Iverson
3. Bob Sawinski

**Pulp Toss**
1. Jan Nelson
2. Doug Anderson
3. Bill Hipp

**Pole Climb**
1. Bill Morrissey
2. Warren Larson
3. Bill Hipp

**Match Split**
1. John Colford
2. Guy Wold
3. Bill Gherardi

**Girl's Snowshoe Race**
1. Beth Jolles
2. Cindy Heacock
3. Linda Wolf

**Girl's Water Boiling**
1. Beth Jolles
2. Diane Burns
3. Rita Nelson

**Girl's Nail Pound**
1. Beth Jolles
2. Mary Notsch
3. Gay Doucette

**Egg Toss**
1. Fred Souba and Marggie Peterson

**Overall Winner**
Bill Morrissey

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**She got my tongue!**

**Gee, it's a long way down!**
SOME OF THOSE WHO MADE FORESTERS’ DAY...

Chairman, Rick Iverson
“missing a meal”

OUR SPECIAL THANKS TO THE FOLLOWING PRIZE CONTRIBUTORS:

Allcock Mfg. Company
Andersen Corporation
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Blandin Paper Company
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Canadian Waters, Inc.
Canoe Country Outfitters, Inc.
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Hull Mfg. Company
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Silva, Inc.
The Ski Den
Stoege Arms Corporation
Western Fire Equipment Company
ZEBCO, Brunswick Corporation

Scholarship winners and Fran

Skid distance: One mile out — one mile back.

...A SUCCESS!

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Intramural Sports
by Fred Axelrod '71

This year the foresters' intramural sports record was marked by an increase in participation, if not in standings. Our outstanding team this year was our basketball team which was led by Mark Jensen to a second place finish in class A. They lost the fall quarter championship game by 2 points in sudden-death overtime. Another highlight was our bowling team which was led by Rich and Mike Axtman to a second place finish on the St. Paul Campus. While our hockey team did not fare as well as last year, co-captains Gene Blackwell and Larry Donovan organized a spirited team that has high hopes for the future with several freshman stars and new goalie equipment. Foresters also competed in football, volleyball, handball, swimming, track, horseshoes, tennis, and softball.

Many thanks to all those who participated and stuck with the Foresters through thick and thin.
The Forestry Club year of 1970-71 was one of the most successful ever. As in any organization, success depends upon its members. Therefore, the club members should look upon this year's accomplishments with a great deal of satisfaction.

Fall quarter activities were once again kicked off with the traditional bonfire. New students were introduced to the faculty, old students were reunited after returning from summer jobs and these informalities were conducted over a fine supper of beans and hotdogs. Special thanks go to organizer Dewey Sippel for starting the year off with a bang.

Having narrowly missed winning the annual Midwestern Foresters Conclave last year, the conclave crew traveled to Purdue armed with newly purchased tournament saws and axes with the expectation of bringing home a chain saw. However, the team lost by 1 point in the final event. The overall point winner of the conclave was team captain, Bob Maki.

The fall quarter also found Brian "Stump" Marinello, George Cornell, and Dan Hurley busy with Christmas tree sales, which is the club's big yearly money making project. The club reaped considerable profit, and thus was able to undertake such projects as awarding four scholarships, reupholstering the furniture, and purchasing new goalie equipment. Many thanks to those contributing their time at the lot.

This fall also saw the initiation of a new activity, a hotdog and bean supper followed by a trip to a North Stars hockey game. A large turnout of both faculty and students made this event successful.

One of the more important projects undertaken by the club this fall was the collection of clothing to be distributed on the Chippewa Indian Reservation. The donation response was encouraging and thanks go to Larry Dopovan for organizing this project.

Fall quarter activities came to a close as the club voted to present Bruce Larson, editor of the 1970 Peavey, with a plaque recognizing his efforts in producing an outstanding forestry student publication.

Winter quarter found club members preparing for the annual Forester's Day. With the combined efforts of committee chairmen, queen candidates, faculty, and especially F-Day chairman Rick Iverson, F-Day ranks among the best. Highlights of Forester's Day were the visit of 22 Iowa Foresters and the presentation of scholarships to Bill Gherardi, Duane Sippel, Brian Marinello, and Fran Wagner. The scholarships, though not a great financial award, are symbolic of individual hard work and accomplishment.

Winter quarter activities ended appropriately with several excursions to the local breweries. It seems that the beer is not nearly as tanked up in the processing as most of the guys are at the end of the tour.

As of this writing, spring quarter activities are still in the planning stage. Tentatively, 2 canoe trips, smelting, an old-tyme dance, and a trip to Forester's Day at Iowa State are on the agenda.

The club would now like to recognize the contributions of the following people: Club Pres, Doug "Doogles" Anderson for his writing a new chapter in Robert's Rules of Parliamentary Procedure; Chuck Hatch, Club Advisor, for his guidance and encouragement; Mark Boche, editor of this year's Peavey and other Peavey staff members; Fred Axelrod, I-M sports chairman; Bill Gherardi and Mike Ostry, Bull of the Woods editors; and those club members who found a portion of their education outside the textbook in Forestry Club where communication and organization can also be learned.

Buy a Peavey! I got word from the editor that it is going to be a good issue!

Morrissey bought this round!
Awards and Scholarships

UNDERGRADUATE STUDENT AWARDS AND SCHOLARSHIPS

Carolind Scholarship ........................................ Robert Pierce, '74; Leo Johnson, '73; Mark Jensen, '72; Bill Bailey, '71; Jeff Fuhs, '71; Larry Kotechman, '72.

Chapman Foundation Forestry Scholarship
Freshman ......................................................... Gregory Fall, Steve Lang, Virginia Busch, Donald Zoerb.

Sophomore ....................................................... Mike Appel, Allan Wood, Ralph Greiling, John Granquist.

E. G. Cheyney Memorial Scholarship ............... John Borovsky, '71; Tom Henderson, '71.

Federated Garden Club Forestry Scholarship ... Doyle Richards, '71; Bill Hulbert, '71; Steve Hallgren, '72; Arvid Johnson, '72; Robert Despot, '73; Scott Barger, '74; Larry Mulenberg, '74.

Henry Schmitz Forest Products Engineering Scholarship ................................................... Dan Hurley, '72.

Samuel B. Green Scholarship Medal ................... Bill Bailey, '71.

Robert L. Goudy Memorial Forestry Scholarship ............................................................ Dave Austin, '72; Chris Risbrudt, '72.

Oscar L. Mather Scholarship Award ..................... Richard Olson, '71.

Henry Schmitz Student Leadership Award ........... Doug Anderson, '71; Mark Boche, '71; Rick Iverson, '71.

Edward A. Everett Memorial Scholarship ........... Don Boldt, '72; John Cadotte, '72; Richard Olson, '71; Don Riemenschneider, '72.

Helen A. Young Memorial Scholarship ................. Jim Riem, '72.

Forestry Club Scholarship ..................................... Duane Sippel, '71; Bill Gherardi, '71; Fran Wagner, '72; Brian Marinello, '72.

GRADUATE STUDENT FELLOWSHIPS

Boise-Cascade ................................................ Michael J. Rath.

Northwest Paper Foundation Fellowship in Forestry ..................................................... Al Alm.

OUR STUDENT REPRESENTATIVES

Honor Case Commission
Dan Hurley, '72
Mark Boche, '71
Jeffrey Fuhs, '71

Student Curriculum Committee
Jack Clausen, '71-Co-chairman
Greg Johnson, '72-Co-chairman
Jeff Fuhs, '71
Bill Gherardi, '71
Pat Weicherding, '72
Scott Barger, '74
Michael Priesnitz, '72

Student Board of Governors
Greg Ustruck, '73
John Waldo, '73

Student-Faculty Board
Doug Anderson, '71
Rick Iverson, '71
Mark Boche, '71
**SUMMER JOBS**

**Summer in Alaska**

*by Guy Wold '71*

Does he know Guy Wold?

I worked as a forestry aid for the North Tongass National Forest in Southeast Alaska last summer. My work was confined to the Wrangell Ranger District which included numerous islands and a stretch of the Alaska mainland between the ocean and British Columbia. The work consisted almost entirely of timber sale layout, although I did manage to get in about three trips with the wilderness cabin recreation crew. All travel was made by boat, plane, or helicopter, since Wrangell is on an island, and no timber sales were made on the island. The trips were usually five or ten days, with base camp being either the Forest Service boat, the "Chugach," or a tent camp. Work consisted primarily of putting in backlines, surveying logging roads, or cruising. Slopes of over 100% were common, and the experience of climbing them ten days in a row is similar to basic training. Oh yes, it was raining once in a while. I recall about ten days during the entire summer that the sun shone (and the summer is supposed to be the dry season!).

The country itself is absolutely beautiful (on a clear day, when you can see it). The bald eagles are in abundance, the fishing (fresh and salt water) is very good, and in certain locales the grizzlies are still quite numerous (a .375 H&H Magnum is still standard forest gear).

If you can become accustomed to working hard in constant rain, and as a permanent employee, up to a GS-9, be willing to perhaps spend a year or two living in a logging camp, miles from anywhere, it is the place to go. I suggest working as a summer employee first.

**Reforestation on Cook Mountain**

*by Duane Sippel '71*

It all started up at the spring session of Cloquet. I was fixing my car again, when I received a long distance telephone call from Orofino, Idaho, confirming my application for a summer job. I was going to work with the Silviculture department under the supervision of Clark Fultz, a graduate of Duke University, as a member of a two-man crew that would be working on a Stage II Regeneration Survey on Cook Mountain, in the Clearwater National Forest.

Stage II consists of laying out compass lines and taking a fixed and variable plot (BAF 40) along those lines. In our case, we took a plot every 10 chains. Upon reaching a plot, we took note of the age, height, DBH, species and growth rate of the existing vegetation. We also observed the slope, aspect, soil type, and ground cover of the immediate area. We then made recommendations for the future on what should be done with the area. This was being done on Cook Mountain because it was severely burned in 1910, 1919, and the late '20's.

I had quite a variety of activities other than Stage II. My crew partners, Tom Keller, a forest technician from Montana, and Ron Hufford, a senior from Southern Illinois University, and I also worked on timber inventory, traversing, and fighting fires.

For the first part of the summer, my base station was the Bungalow Ranger Station, which is located on the junction of the Oregrand and North Fork Rivers. The Weitas Station was my base station for the rest of the summer. I became so attached to the Weitas that I didn't want to come back to Minnesota. It was like saying goodbye to my best friend whom I knew I would never see again.

Ron and I made it to Orofino (74 miles from Bungalow) occasionally. We went to all of the hot spots: the movie theater, Clearwater Club, Sam's Place, Clearwater Club, Clearwater Club, etc.

All in all, I would say that I had a very rewarding summer. The personnel at the Bungalow were wonderful people, especially the men I worked with. We all became very close friends by the end of the summer.

Everyone should have the chance to have a summer job out West. A person has the opportunity to meet other people and see more of the country this way, and this will help develop oneself.

**Smokejumping - 1970**

*by Fred Axelrod '71*

My summer job as a smokejumper may appear as getting paid to do what most people normally have to pay for. This is because a smokejumper parachutes from airplanes and sees some of this country's most primitive wilderness, from the Arctic Circle to the Mexican border. However, a smokejumper's main job is to put out forest fires, which, more often than not, is a boring, tedious, and dirty job.

I was based at Missoula, Montana this summer for my second year as a smokejumper with the U.S. Forest Service. During this time, I have made 91 parachute jumps, 17 of which were actual fire jumps. Missoula home 150 jumpers, and their primary purpose is to fight fires in inaccessible areas of Region I, which includes Northern Idaho, Montana, and Eastern Washington. Smokejumpers are, however, called
out of the region quite often to anywhere in the West, including Alaska.

One method of fighting fires that is very effective is to follow a dry lightning storm with a DC-3 loaded with 16 jumpers. As the lightning strikes, and ignited trees begin to smoke, 2 jumpers drop to it before it can become more than a spot fire. By this method, most fires can be manned before they are an hour old.

To become a smokejumper one has to have at least one summer's experience, working with the U.S. Forest Service, or some other government land management agency. This must include some fire experience. After being selected to become a smokejumper, one must go through a month's training which includes 7 practice jumps. These jumps are in all kinds of terrain including one timber jump with no clearing to land in.

While smokejumping can consist of long hours of dirty hard work, it does pay well, and can be an exciting experience for someone who doesn't mind occasional discomfort and has few responsibilities during the summer months.

49'er Gold Rush Country—
A Land of Adventure for New Forestry Technicians

by Rick Iverson '71

California, a land of contrast, is undeniably a playground for new visitors. As a forestry technician for the Bureau of Land Management, and a first-time visitor to California, I enjoyed many new experiences and adventures while working in central California in the Sierra Nevada foothills.

Even though I was stationed at Folsom, California, the home of the Folsom prison, I spent an extensive amount of time in other towns. While traveling throughout central California, I had plenty of opportunity to see old gold mining sites, as well as to enjoy the abundance of beautiful scenery in the Sierras.

The BLM has a good training program for summer temporaries, which includes sessions on various functions of the BLM, as well as its organization. Sessions such as those on watershed management, engineering, and forest protection were educational and worthwhile. In addition to this, my immediate supervisors, which included the foresters and the engineering technician, were very helpful in job training and were always willing to answer questions.

As I reminisce about this summer's work with the BLM in California, I am certain the experiences of traveling there, seeing new country, and gaining valuable technical skills will always remain topmost in my memories of the list of educational experiences gained in college.

Internship in Washington

by Steve Hallgren '72

After several letters, an application, and a telephone call, my plans for a summer job were set. I was to report to the Weyerhaeuser Company tree farm at Snoqualmie Falls, Washington, to begin work in the Summer Forestry Intern Program. As I will explain, the summer job proved to be a very valuable experience.

The Intern Program has been organized by the Weyerhaeuser Company to recruit professional foresters. It is designed to employ forestry students for
summer work during which the student gains experience in forestry, engineering, road construction, and logging. Hopefully, at the end of each summer, the company will be able to make a well-founded decision as to whom they wish to further employ. Also, the student will have a better understanding of his own interests.

As an intern, I went on field trips, attended seminars and worked as a regular employee at several jobs. The seminars were held every other Wednesday evening, and dealt with the various departments of the Weyerhaeuser Company, such as raw materials, engineering, and research.

On the job, I worked as any other employee would, from some of the lowest jobs to some more important ones. I spent five weeks setting chokers, and I was assigned other jobs in high lead logging. For two days I blasted stumps for a road, while another two days were spent on fire watch. For two weeks I ran a weight scale; three weeks were spent working in forestry (most of which was in an office); one and a half weeks were in engineering; and for two days I burned slash. Several times I was impressed with the feeling that I was not working for a big corporation, but that I was working with people who had a common interest, who liked working together, and who were happy about their work.

I left the summer job on August 26, a few days after a banquet, held in Tacoma, that was given for the summer interns in Washington. At this dinner, it added to the occasion to meet and discuss various topics with some of the executives of the company. The evening impressed me with the thought that the people of Weyerhaeuser Company are sincerely concerned about the future — what a fitting way to end the summer!
FACULTY AND STAFF

THE ADMINISTRATION

Kaufert, Cons. Nat. Resources; Winsness, Senior Seminar; Skok, Economics.

J. H. Allison
Professor Emeritus

Randolph M. Brown
Professor Emeritus

BIOLOGY

Sucoff, Physiology-Ecology; Mohn, Genetics-Dendrology; Schollen, Forest Botany-Small Woodlands; Kurnis, Ecology Research; Hansen, Silviculture-Ecology; Bakuzis, Ecology.
RESOURCES DEVELOPMENT

Standing: Gregersen, Economics; Irving, Fires and Administration; Hatch, Mensuration.
Seated: Gerrard, Statistical Methods; Hallgren, Logging and Itasca Session Director; Mace, Hydrology and Climatology.

Standing: Merriam, Recreation; Hughes, Management and Economics; Knopp, Recreation.
Seated: Latham, Aerial Photos; Ulliman, Aerial Photos; Meyer, Range and Aerial Photos.

FOREST PRODUCTS

Standing: Thompson, Marketing; Haygreen, Structure-Forest Products.
Seated: Hossfeld, Wood Chemistry; Erickson, Seasoning; Gertjejansen, Fiber Products; Bowyer, Forest Products.
Not Pictured: Hendricks, Extension Forest Products; Turkia, Housing Systems.

Smith and Miles
Extension Foresters

CLOQUET

Not pictured:
Brown, Management;
Alm, Planting;
Jensen, Research;
Zasada, Mechanized Logging.

Smith, Management; Tappeiner, Silviculture
ASSOCIATED AREAS

Grigal, Forest Soils; Frenzel, Fisheries and Wildlife; Kulman, Entomology; French, Forest Pathology; Aarneman, Soil Science.

Not pictured: Krefting, Bureau of Sport Fisheries and Wildlife.

Standing: Boyer, Account Clerk; McCoy, Principle Secretary; Sundeen, Principle Secretary to Forest Products; Johnke, Senior Clerk Typist.

Seated: Manley, Executive Secretary; Earl, Secretary to Third Floor.

Albrecht and Pelecis, Librarians

Lindgren and Priedkalns, Secretaries to K. E. Winsness

I don't see how you can get this backwards!
### Graduate Students

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**Ph.D. Candidates Registered But Not in Residence**

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- Berglund, Erwin
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- Frissell, Sidney S., Jr.
- Geyer, Wayne A.
- Host, John
- Kersavage, Paul
- Lothner, David C.
- Packee, Edmond C.
- ... (continues...)

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Many alumni who remember Duluth and beautiful Lake Superior from their undergraduate days will be dismayed to learn of its continuing pollution and deterioration.

The largest polluter is Reserve Mining Company of Silver Bay, Minnesota, located sixty miles northeast of Duluth. Despite our state and federal evidence to the contrary, they deny that they are changing the water quality and continue to dump sixty thousand tons of tailings each and every day into the Lake. Last summer the state of Minnesota tried to stop this by taking Reserve Mining Company into district court in Two Harbors, Minnesota. This court action was unsuccessful and the polluting continues. Various state and federal agencies have held enforcement conferences on this same problem but they have only resulted in further delays, postponements, and inaction.

Last summer the writer attended a meeting in Duluth with the ranking general of the Corps of Engineers and various conservation groups. By virtue of their authority over navigable waters, this agency could halt all dumping by simply revoking a permit. To the disappointment of many, the Corps of Engineers have done nothing since last August's meeting.

Planet earth is unique among all planets in our solar system by having three fourths of its surface covered by water. It is no mere coincidence that it is also the only planet that supports life as we know it. Many people are wondering how long man will continue to abuse and misuse this vital resource. It had better not continue much longer—time is running out. —Harvey Djerf '43

One of the most significant aspects of the current interest in the environment is the recognition by all persons and organizations, that something has to be done about it, and soon. This recognition has led to the expenditure of millions of dollars for changes and for programming for the future. Definition of the problems and awareness of their importance is needed to get the appropriations and motivation for a successful treatment of the environment. Making orderly change within our system, is a better approach than trying to solve the entire problem. The pressure on the system, is a better answer than the completely unworkeable suggestions that have been put forth by some who have pushed the panic button.

With 18,000 persons a day starving to death, the forester's quest should become that of many others in bringing scientific force into effect that will help to curtail world hunger. How we deal with the ecology involved and handle the environment will have a great bearing on the hunger situation. The renewable resources are going to have to be those that provide the hope for the future, so the forest scientist becomes increasingly important. It behooves him to equip himself technically and culturally better than ever before. He will need a real feeling of social responsibility along with professional in order to function most effectively in the world ahead.

Howard E. Olson '47

My thoughts are very fundamental, that is, blame the individual and not "always the Company" as we do now. Both of these factions must share the blame, not only business.

The environmental issue starts with an individual and ends with an individual, be it your own home or where you work. We have only to look around us to see the garbage that is left behind by people to realize where the issue should start.

People say that the automobile is a major cause of pollution, that is true, but the people in that auto are also a major cause of pollution, by that I mean the items that they throw from their cars onto the nations highways and byways. If people will not police their own pollution how can they expect to correct the larger problems. It is always easier to blame someone or something else rather than ourselves.

You have but to walk in the woods to see the garbage that people (campers and woodsmen and sportsmen they call themselves) leave, to know that the environmental issues must start at home.

When people think of themselves as pollutants then they will start to correct the problems. This will carry over into their jobs and when they have positions of responsibility it will be expressed in the decisions they make.

The pressures being brought to bear on industry to clean up their pollution is making people aware of their own part in the pollution problem. If the environment is to be cleaned up the issue must go full circle, that is, from industry starting to correct problems to people correcting their own thinking and then will be projected from those people into new ways to keep the environment healthy.

People must learn to live with the campers adage, "to leave the area a little nicer than it was when you arrived." Jerald Mortensen '50

A recent definition of pollution has captured me. Pollution is hysterical, political and real. I am certain that it is all of these things. Today our wood industries must quickly correct their real sins and concentrate on a united effort to create a new public image. The super conservationist has led the confused layman to believe that we are laying waste to our great resource. How many of your friends in or out of the industry know who really owns our forests; the true facts of timber harvesting, real building, timber sales and regeneration; how much of our forests are destroyed by fire, insects, and disease; that a young forest gives off oxygen and the over-mature forest absorbs oxygen; or that our over 6000 products derived from wood fiber are the best values our inflated staved economy has? It is difficult to convince the new breed or the old hat that to over protect our forests is to save them for today and destroy them for tomorrow, but if our ecology is in serious trouble we must all begin in earnest to champion our own cause, because wood production may be one of the last frontiers for material resource salvation. If we can minimize the hysterical and political intonations of pollution maybe we can concentrate on the real.

Donald G. Butler '33

Continued on Page 89

Environmental Statements From Past MFAA Presidents
S. A. F. National Meeting, Las Vegas, Nevada - 1970

The Minnesota Forestry College Alumni gathered for a breakfast meeting at Bagdad Inn Restaurant, Las Vegas, Nevada during the S. A. F. meetings on October 13, 1970. The breakfast was one of the best we have had. Much fellowship took place during the reacquaintances of past Minnesota Alumni.

Dr. Kaurert and Richard Skok reported on activities on the organization and reorganization process in the Institute of Agriculture and the new College of Forestry, the building program at Cloquet, prospect for additional buildings on the St. Paul Campus, enrollment, etc.

Some of the other staff that were in attendance are Larry Merriam, Scotty Scholten, and Jay Hughes. Some of the pictures taken by Yale Weinstein, '37, are shown below.

Pathway of Peace

The Pathway of Peace is lined this year with 57 balsam fir trees, representing the Nation's states and territories and underscoring the contributions each has made and continues to make to the unity, strength, and freedom of America.

Fanning out from the National Tree, they represent also the mutual support that all Americans provide one another in the singleness of a great Nation. Lighted in quiet dignity amid the Christmas scene, these trees epitomize the burning desire Americans in all corners of the land share for genuine peace at home and throughout the world.

The trees were harvested in early November in northern Minnesota where Erie Mining Company mines taconite—low-grade iron ore—in an area along the Mesabi Range in which conservation of nature's resources is the guiding principle in the company's mining operations. They were moved from Taconite Harbor, on Lake Superior, in late November, arriving in Cleveland on December 3 aboard a Great Lakes ore carrier, reminiscent of the "Christmas Schooners" which in years past brought Christmas trees down through the Great Lakes before the cold of winter froze the lakes.

This is the sixth year that the American Mining Congress and one of its member companies have cooperated in providing the trees for the Pathway of Peace as part of the Nation's observance of the annual Pageant of Peace at the President's Park in Washington. It also marks the sixth time that Ligon Specialized Haulers has donated the services required to move the trees to Washington.
"Somebody must have made a mistake... Well, we had better start producing some superwheat."

NORMAN BORLAUG'S FORESTER'S DAY SPECIAL EVENT — JANUARY 17, 1969

Farmboy, student, scientist, pioneer leader, and humanitarian are words that describe this man who received the 1970 Nobel Peace Prize for his efforts in the production of grains.

Norman Borlaug came as a farmboy to the University of Minnesota in 1933 from Cresco, Iowa. Transferring from General College into the Forestry School, he was an outstanding undergraduate. He belonged to Xi Sigma Pi and was President in 1936-1937. He also was a member of Alpha Zeta. Dr. Henry Hansen, professor of forestry and a classmate of Borlaug's, remembers him as a top notch student and dedicated worker. While going to school he waited tables at a girls' dormitory and worked in the parking lots.

"This is an award to a team, not to me personally. What I have done I have done with a group of young, dedicated scientists from more than 25 countries. Many of them played an active role, if anything I have only supplied the spark."

Along with his academic achievements, Dr. Borlaug became a well known Big Ten wrestler. Being an all-state champion in high school, while an undergraduate he wrestled on the Gopher mat team winning the Conference title at 145 pounds. All through Dr. Borlaug's career he has taken an active interest in athletics and working with young people.

Hansen remembers working out and wrestling with Borlaug and Bob Zabel, now Acting Dean for the School of Environmental and Resource Engineering and Vice President for Academic Affairs at Syracuse, New York. Afterwards, they would go home from the stadium to Borlaug's apartment and drink a couple of quarts of orange juice.

"I am extremely frightened by bureaucracy. This is one of the greatest enemies of the human race, and it's becoming each decade increasingly worse."

During this time, Dr. Borlaug married Margaret Gibson, sister of George Gibson, Minnesota's all American football star in 1928. These first years for them were quite lean. The apartment they lived in was old and dingy.

"The more senior the scientist, the more conservative the scientist, and the more unwilling he is to move. The scientist in each case should be the catalyst. Instead he is the brake."

Norman Borlaug spent his summers as an undergraduate working on forestry jobs. From June of 1936 to January of 1937 he worked with the Northeastern Forest Experiment Station in New Haven, Connecticut. The summer of 1937 he worked in Idaho's Salmon River country, rugged forest land now classed as a Primitive Area. Summer and fall of 1939 he worked...
for the Forest Service as a Field Assistant in charge of salvage work following a hurricane in Ashburnham, Massachusetts.

“The ultimate philosophy when working with developing countries is to work yourself out of a job and then turn it over to the students and young people that you have trained.”

Upon completion of his B.S. degree in Forestry in 1937, Dr. Borlaug went on to receive his M.S. in Plant Pathology in 1941, and his Ph.D. in Plant Pathology and Genetics in 1942, from the University of Minnesota. Today he also holds Honorary Doctorates from Agricultural College of Norway, 1970; Humane Letters, Luther College, Iowa, 1970; and Science, Gustavus Adolphus College, Minnesota, 1970.

“The biological living system must evolve and change or it will disappear just as the dinosaurs did in the late Cretaceous, and this goes for societies. We need to modify, meet the changing conditions, or what is good today will be ruinous tomorrow.”

In 1941 Borlaug worked as a researcher with E. I. Du Pont Company in Wilmington, Delaware until 1944 when he joined the Rockefeller Foundation in Mexico. He currently is a Director at the Rockefeller Foundation and heads a team of scientists from 17 nations who are experimenting with new types of high-yielding grains.

“It is relatively easy to build a top notched scientist who’s highly specialized, it is something else to develop an unusual quarterback that can put the pieces together, that can build a package and deliver it.”

Borlaug, who has been credited for nearly 25 years of pioneering efforts in the breeding of new varieties of disease-resistant wheat with short straw and highly improved yields, was seen by the Nobel Committee to have a central position in international research work trying to help feed the masses of developing countries through the “Green Revolution.”

The “Green Revolution” refers to the use of improved wheat seed, new types of higher-yielding rice, and more efficient use of fertilizer and irrigation in providing larger food crops in many of the less-developed countries of the world.

“I am a poker player and if I have a good hand and if I suspect that it is better than anybody else I am going to play that hole card. All of life is a calculated risk and you need to weigh the possibilities of a breakthrough versus what happens if you don’t move.”

From his work in wheat research and production programs throughout many countries of the Near and Middle East, and Latin America, and his attack on the wheat production problems in Pakistan and India, two of the world’s greatest food deficit areas, and in Argentina, many of these countries have realized increased yields of from two- to six-fold. Borlaug is credited for Mexico’s self-sufficiency in wheat production, and with causing the Rockefeller Foundation to set up the International Rice Institute in Manila.

“If you work hard enough and if you put your heart and soul into it and if you fight hard enough, something happens.”

In 1959 the University of Minnesota awarded him their Outstanding Achievement Award for his imaginative thinking and solid work in breeding new varieties of wheat which helped Mexico become self-sufficient in this crop for the first time. In 1962 he received the University’s Dr. Elvin Charles Stakman Award.

“The Green Revolution cannot cure all the ills. Unreasonable population growth is the biggest problem we face now. It is a monster which unless tamed will one day wipe us from the face of the earth.”

Four Mexican state governments, and the Wheat Producers Association of the State of Sonora have decorated him for his contributions to agriculture and wheat production.

Borlaug’s home town has given him their Distinguished Citizenship Award, and India has praised his work in solving the hunger of the world by awarding him the degree of Doctor of Science at Punjab Agricultural University:

“Maybe we ought to take gamma reactors and develop a new species or at least a new race of human beings. We need to have at least three strongly linked genes. 1) We need a gene for compassion for his fellow man. 2) We need a second gene for common sense. 3) We need a closely linked gene for a low biological potential of reproduction.”

Through all of his fame and accomplishments, Borlaug has remained deeply humble and ever dedicated. The University of Minnesota is proud to be a part of the Norman Borlaug story and the College of Forestry holds him in highest esteem as a leader, humanitarian, and friend.
ALUMNI NEWS

1906

SAMUEL B. DETWILER is Retired in Arlington, Virginia. He sends us this information — "I'm glad that at long last the College of Forestry, U of M, has an identity separate from Agriculture, and from Home Economics. But it is a shame that Dr. Kaufert was not immediately given the title of "Dean" in view of his busy and excellent service as Acting Head." Keep those letters coming — we sure do enjoy them!

1910

ROBERT L. DEERING reports to us from San Francisco, California where he is Retired from the U.S. Forest Service.

CHARLES L. LEWIS is Retired in Shell Lake, Wisconsin. He sends us this information — "The recent dinner meeting at the Paul Bunyan Motel was a delightful experience for me."

1912

JOHN A. STEVENSON reports to us from Beltsville, Maryland where he is a Collaborator for the United States Department of Agriculture and also a Research Associate for the Smithsonian Institute.

1913

HOWARD HALL sends us word from Klamath, Oregon where he is Retired.

1918

EARL S. PENDERGAST is Retired in Winter Haven, Florida. He writes — "Still active in Lionism, having completed twenty-seven years membership. Enjoy visits from our daughter's family and our son's family at least once a year."

1920

PAUL R. PALMER reports to us from Duncan, Oklahoma where he is a Retired Episcopal Clergyman.

1921

FRANCIS Y. OSTROWSKI is in St. Petersburg, Florida. He writes — "Have sold all of my possessions in Minnesota and my wife and I are living in St. Petersburg, Florida permanently. Was sorry to learn of the death of my very dear friend Leo Isaac."

HUBERT L. PERSON reports to us from Danville, California where he is Retired.

A. E. WACKERMAN reports to us from Bluffton, South Carolina.

1922

OTIS McCREERY sends us word from Pittsburgh, Pennsylvania where he is Retired.

Ralph Nelson sends us word from Asheville, North Carolina where he is Retired.

1923

ORCUTT FROST is Retired and a Part Time Consultant in Grand Marais, Minnesota. He states — "We continue to enjoy the North Shore of Lake Superior. My consulting activities have tapered off considerably but there is never a dull moment even so!"

1924

HAROLD OSTEGAARD reports to us from New Hope, Minnesota where he is Retired.

MAXON PILLOW is Retired in Madison, Wisconsin. He writes — "Greetings to all - Getting a little older but still in circulation - I hope."

1926

LYLE JACKSON is Professor Emeritus in Forestry with the School of Forestry at the University of Georgia at Athens, Georgia. He states — "Wish to compliment you on the excellent 1970 Edition of the Peavey. I still have the little gold Peavey given me at Forestry Club initiation. As a retiree, I am still preparing old data for publication. Had one in Castanea last year and another coming out in the 1970 December issue. Still hoping to get up there again. Just got listed in the International Dictionary of Biographies. Best regards to old friends up there, Kaufert and Allison."

RALPH M. LINDGREN sends us word from St. Paul, Minnesota.

1927

CARL KRUEGER is Retired in Coeur d' Alene, Idaho. He reports — "No change, just older. Quit teaching at North Idaho Junior College last spring, so now I'm fully Retired except for the non-paying jobs."

THOMAS LOTTI sends us word from Alexandria, Virginia where he is Retired.

HARRY PATTERSON is Retired from his position as Safety Director from the Conwed Corporation. He says — "The 1970 Gopher Peavey was really great! Congratulations to all those responsible for its production. Was surprised to see picture of yours truly on page 9. I'm the guy squatting on the hub cap of the 'Tin Lizzie' (wearing cap). Would like to know if anyone remembers the names of the other fellows — Confess I have forgotten and am sorry. Forester's Role in the Future — Perpetuate growth and use of the nations forests by efficient management to assure conservation of natural resources and effective recreational and industrial development."

ARTHUR VERRALL is Retired and living in Winter Park, Florida. He sends us this information — "Last year I retired from the faculty of the School of Forestry, Stephen F. Austin State University and moved to Florida to enjoy the climate. Am doing a little consulting (building decay) and playing the flute in the Florida Technical University Symphony."

1928

MERRILL DETERS sends us word from Moscow, Idaho where he is Professor of Forestry at the University of Idaho.

GEORGE HALVORSON is Retired in Minneapolis, Minnesota. He says — "September 13th 1970 - 1st grandchild born (girl - P. J. Harris)."

DAYTON KIRKHAM reports to us from Sun City, Arizona where he is Retired.

GUS LIMSTROM reports to us from San Diego, California.
even-aged management, either clearcutting or a 2-cut or 3-cut.

The middle daughter is in Hibbing, with her two boys, our only

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LAWRENCE RITTER is a Consulting Forester - Securities Salesman in St. Paul, Minnesota. He says - "Still a contract employee, Land Division Minnesota State Department of Administration, and still a registered representative, Robert L. Smith Company." 

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RALPH THOMAS JR. is with the David Agency, Inc., in Minneapolis, Minnesota. He sends us this information - "Visited Green Hall last fall. Had a most enjoyable visit with Ken Winness. Want to congratulate Frank Kaufert on his new position. The College is so excellent it makes me think I should return to school." . . . Thanks for stopping by Green Hall and visiting with us.

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1929

ARTHUR AAMOT is Area Forest Supervisor for the Minnesota Division of Lands and Forestry in Mankato, Minnesota. He writes - "I have finally gotten all my districts staffed. Minnesota grads Don Baker (at Gaylord) and Dave Anderson (at Marshall). After more than 11 years as area assistant of Hibbing, I was assigned the new area here January 1, 1969. With 24 counties, I have the largest area in the State - and the least forest land. We do have some high value hardwoods, and a large area needing afforestation in the flood plain of the Minnesota River. My daughters are all grown. The oldest is in Minneapolis - the youngest in Chicago - and the only long trip we have taken in nearly 30 years was to New York State in 1967 for her college graduation. The middle daughter is in Hibbing, with her two boys, our only grandchildren. Violet and I celebrated our 34th anniversary in July. Clearcutting, now is in the 'doghouse,' but it is the only silviculturally sound method of harvesting and reproducing the valuable, highly useful, intolerant to moderately tolerant species, including douglas-fir, almost all of the pines - in fact, most of the species most widely used for construction of homes and other buildings, and most of the high-value hardwoods, including oaks and black cherry. Only the northern hardwood type - maple, beech, yellow birch, hemlock - is really suited to selection management. Most of the useful species simply will not reproduce under their own shade, so must be treated by some form of even-aged management, either clearcutting or a 2-cut or 3-cut shelterwood."

1930

CARL BENSON reports to us from Russellville, Arkansas where he is a Forester for the U.S. Forest Service.

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CHARLES F. ARMSTRONG is President of the Wisconsin Forest Products Laboratory for the U.S. Forest Service.

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RALPH lLORENZ is Professor of Forestry at the University of Illinois in Urbana, Illinois. He sends us this information - "I am still at the University of Illinois teaching Dendrology and Silvi­
culture. During the summer I am Director of our Forestry Sum­
cultivation.

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1931

STANLEY BUCKMAN is President of Buckman Laboratories, Inc., in Memphis, Tennessee. He reports - "The past year has been a particularly active one for us around the world. Several new products have been introduced in each of the industries that we serve which consist primarily of pulp and paper, plant, plastics, textiles, and agriculture. Particular attention has been directed toward helping these industries overcome pollution problems. The past year also saw the completion of our new 80,000 sq. ft. international headquarters building at Memphis, Tennessee."

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HENRY KEEHN reports to us from Lewisville, Minnesota where he is Retired.
CHARLES J. KNOBLAUCH sends us word from International Falls, Minnesota where he is Supv. Immigration Officer for the Immigration Service.

CARL LIDBERG sends us word from Minneapolis, Minnesota.

ARTHUR SCHNEIDER is Vice President and General Manager of Cordon Ranches, Inc. in Goodyear, Arizona. He writes — "Among the year's observations: 'The three most neglected men in the world must have been Whistler's Father, Grandpa Moses and Lord Godiva.' Best Wishes."

PAUL ST. AMANT is Retired in Milwaukee, Wisconsin. He sends us this information — "No different status than for last report. Still in Beertown and enjoying golfing in season. Son Richard and family now living in Boston, with two grandchildren and wife."

HAROLD AND DOROTHEA (CAHILL) ENGSTROM are both Retired and now Owners and Operators of a Christmas Tree Plantation in Camino, California. They say — "Harold retired in December 1966 from the U.S. Forest Service, and I retired from Teaching in June 1967. Harold at present is a trustee of the Los Rios Junior College District and of the El Dorado Junior High School District, and I am a trustee of the Camino Union Elementary School District, thus we cover education from kindergarten through junior college. Education is a strong interest in our lives. While teaching at the elementary and junior high level, science was one of my special strengths, thanks to the good science background I received at the University of Minnesota. At present we are Owners and Operators of a successful Christmas tree plantation. Friends and neighbors of ours, Edna and Joe Chandler, have written an interesting account of our plantation which was published in the December, 1970 issue of American Forests."

1932

ALEXANDER KARKULA reports to us from Minneapolis, Minnesota.

LARRY KREFTING is Wildlife Research Biologist with the U.S. Bureau of Sport Fisheries and Wildlife in St. Paul, Minnesota. He sends us this information — "Busy publishing as usual. The sign on my office door reads, 'publish or perish.' Hard at work writing a bulletin on the 'Ecology of the Isle Royal Moose Range' which I hope to have in fair shape by June. Plan to return to Scandinavia next summer — Norway, Sweden, and Finland. Our daughter, Sandra, is completing High School & will go to Business School. Son, Wayne, is a Junior in OLA here at the U. of Minn."

ALAN F. LAIR LAW is Assistant State Conservationist for the Soil Conservation Service in St. Paul, Minnesota. He writes — "Nothing new to report this year — see last year's Peavey for the latest up to date info. on me!" — Thanks for stopping by Green Hall and visiting with us.

NEIL J. MCKENNA is Retired in Duluth, Minnesota. He writes — "Didn't give any business address, as by the time the Peavey is printed I will be retired (March 1, 1970). Best regards to all." I enjoyed talking with you at the Loggers' Day last fall, Neil.

STANLEY OLSON is Recreation Resource Specialist with the Bureau of Outdoor Recreation in Seattle, Washington. He sends us this information — "Still tracking along with the Bureau of Outdoor Recreation over five states here in the Northwest. Occasionally I run into a Minnesota forester, usually younger men a few years out of school. I expect to join the ranks of the retired about the time this Peavey comes out in 1971. The 1970 issue was tops, keep up your good efforts."

ROBERT ST. AMANT reports to us from Orange, Texas where he is a Land Acquisition Manager for the Owens-Illinois Inc.

WALTER ZILGITT is Retired in Asheville, North Carolina. He writes — "Retired from position of Director, Southeastern Forest Experiment Station, U.S.F.S. in July, 1970. Will continue to reside at 10 Woodcrest Road, Asheville, N.C. 28804."

WILLIAM ACKERKNECHT is Consultant with the Wilderness Society in Washington, D.C. He states — "1970 was the year of change. Distilling the political climate and the indecision and inaction of Uncle Sam's bureaucracy in the Interior Department, the benefits of retirement prevailed. But there were many rewards in the more than 36 years with the Bureau of Sport Fisheries and Wildlife and its predecessory agencies. Especially gratifying was the opportunity to see and have a major responsibility in the acquisition, expansion, development and management of the National Wilderness Refuge System. It is now my good fortune to be a Consultant to the Wilderness Society, where there seemed to be no real best opportunity to contribute to the preservation of our environment, unspoiled wilderness areas, and to the general conservation movement. The Society really faces the issues. My wife, Vivien, faced the challenge of another change of ownership of Birchwood School, a private school of which she is the Director. Son, Bill, Jr. after three years, seems to have overcome the obstacles toward receiving his Doctorate in Electrical Engineering at Purdue University. The anniversary issue of the Peavey certainly brought back a host of fond memories."

HARRY CALLINAN is living in Chaska, Minnesota. He reports — "Will visit our son in Nairobi, Kenya, East Africa in January, 1971. Enroute we will spend time in the Holy Land, Istanbul, Cairo, and Moscow, making a month's trip. Am Chairman of 1933 class fund committee, so all you 1933 class will be hearing from me if you haven't already."

RALPH CHRISTOPHERSON is a Forester for the U.S. Forest Service in Milwaukee, Wisconsin. He states — "Forester in charge of non-recreational land uses."

DAVID LIBNEY is a Retired Forest Supervisor from the Willamette National Forest in Eugene, Oregon. He writes — "I retired as of July 31, 1970 after 37½ years of Federal Government Service. Present plans call for remaining in Eugene, Oregon. I shall continue to work on controversial environmental issues, trying to get fact instead of alarmist fiction before the public. We are afflicted nationally with 'instant ecologists and environmentalists' bent on negative disruption instead of positive solution to true rather than fancied problems. Still going through the "work withdrawal process."

HARRY MILEY reports to us from San Francisco, California where he is U.S. State Department Advisor.

THEODORE NIEHAUS is Consulting Forester in Grass Valley, California. He reports — "Retired from U.S. Forest Service March 1970 and entered the Forestry Consultant field on a limited basis with time out for travel at frequent intervals."

GEORGE PLANT sends us word from Minneapolis, Minnesota where he is an Industrial Engineer with the Aerospace Division at Honeywell Inc.

DONALD PRICE reports to us from Eagle, Colorado where he is District Ranger at the White River National Forest.

J 0HN RUNDGREN sends us word from Eggleston, Virginia where he is Retired.

VICTOR SANDBERG is Retired from the U.S. Forest Service and living in Sun City, Arizona. He reports — "After more than a year in Sun City, I find it an exciting place to live. To be sure, ones food can be another man's poison, but for anyone with any outside interests at all this most successful retirement community (17,000 souls, and still growing) offers much to most anyone in the more than a year of life. I must admit tho, that foresters are few and far between. There are at least 2 of us Minnesota foresters down here, and maybe a third one. Minnesota as a state ranks about 5th or 6th in numbers of residents living here."

ROLAND SCHAAR is Real Estate Appraiser and Consultant in Arlington, Virginia. He writes — "Just completed two historical appraisals covering 4,000,000 acres of land in central and northern Minnesota. Also reviewed the Redwood National Park
WALTER JACOBSON sends us word from Minneapolis, Minnesota: "My wife and I have enjoyed being back in Minnesota and Canada during August. The weather was hot."

HOWARD SMITH is Retired in Ogden, Utah. He reports — "Retired during 1969 from the United States Forest Service. Returned from the East to settle in Intermountain area. Find my time so filled that I must get back to organizing it."

GEORGE HERION reports to us from Klickitat, Washington where he is Forest Manager with the St. Regis Paper Company.

CLAUDE ASP reports to us from Colorado Springs, Colorado where he is a Service Advisor for Paul Winslow, Volkswagen Inc.

ROY CARTER is a Professor of Wood and Paper Science at North Carolina State University in Raleigh, North Carolina. He states — "We moved to our new School of Forest Resources Building at Christmas time 1970. The new surroundings should improve our entire host of activities."

ROBERT CLARK reports to us from Fort Worth, Arkansas where he is a Professor of Wood and Paper Science at North Carolina State University.

A. L. HAWKINSON sends us word from Minneapolis, Minnesota where he is Professor for the University of Minnesota College of Forestry.

WALTER JACOBSON sends us word from Minneapolis, Minnesota where he is a Staff Engineer for the Soo Line Railroad.

RUSSELL JOHNSON is Associate Professor in Biology at Bethel College in St. Paul, Minnesota. He says — "Since I have just completed teaching a course in 'Ecology and Man,' I am especially interested in our 1971 Gopher Peavey. Family grown up. Our youngest daughter, Cynthia, is getting married this spring. The oldest son, Steve, is an instructor in electronics with the Navy. He is married and has a son, so my wife and I are now grandparents. Our second son, Dan, is a geography instructor teaching part-time here in Bethel and a substitute teacher in Mounds View district, and in graduate work. Wife and I will have our 30th wedding anniversary this year."

OSWALD KROGFROSS sends us word from Fort Madison, Iowa where he is in Advertising Sales for the Vernan Company.

ROBERT MERR is Assistant Director of the North Central Forest Experiment Station at St. Paul, Minnesota. He states — "My wife and I have enjoyed being back in Minnesota the past 3 years. It’s great to meet a classmate from 1935 now and then."

FRANCIS MOORE is a Sales Manager for the M. J. Salisbury company in Grand Rapids, Minnesota. He says — "Our son, Richard, now looking Europe over because work in engineering has been slow here. Maureen, our youngest, will study and ski in Switzerland in January. Dorothy and I plan to go over in September with a square dance group. I am now working with Mike Latimer and Dick Schneider. I am Sales Manager of the M. J. Salisbury Company, lumber division, and am enjoying the work very much. Mike and Dick are managing the M. J. Salisbury Company."

LINCOLN MUELLER is Project Leader in Forest Products Utilization Research in Fort Collins, Colorado. He reports — "1970 was a busy year for the Muellers with two graduations and two weddings. The 'old homestead' has taken on 'enlarged proportions' with the marriage of our twin daughters. The kids are now all graduated and married, and the homestead is paid for. Maybe I’ll try for a new job one of these years."

NORMAN NELSON reports to us from Milwaukee, Wisconsin where he is Branch Chief, Timber Sales with the United States Forest Service.

SULO SIHVONEN passed away on July 18, 1970. We extend our deepest sympathies.

EARL ADAMS sends us word from St. Paul, Minnesota where he is Deputy Director with the Division of Lands and Forestry, Minnesota Department of Natural Resources.

GEORGE AMIDON reports to us from International Falls, Minnesota where he is Assistant to the Vice President of the Boise Cascade Corporation.

EDWIN BENDER sends us word from Chaska, Minnesota where he is Retired.

JAMES CASE reports to us from Fort Worth, Texas where he is Regional Forester with the Soil Conservation Service.

SIGURD DOLGAARD is Retired in Brainerd, Minnesota. He says — "Retired in August — now living in Brainerd, Minnesota. Relaxing for a while — hope to keep involved in forestry matters in Minnesota."

KARL KOBES is a Chief for the Bureau of Reclamation Branch, the Bureau of Sport Fisheries and Wildlife in Albuquerque, New Mexico. He sends us this information — "Nothing new to report. We are actively engaged in Water for the future. Also, we are in the middle of the environmental issues — nothing different than our usual responsibilities."

MYRON OSTRANDER is a Research Forester for the Northeastern Forest Experiment Station in Upper Darby, Pennsylvania. He states — "Hi — Slipped up the post few years and didn’t order a Peavey. Have thoroughly enjoyed reading those I have received over the past 30 years. About ready to hang things up here at NFES and plan to retire about a year from now. Most of the kids married now and we have six grandchildren, scattered from Maine to Alaska. Visited Alaska this past summer — Wonderful country!"

KERMIT SJOQUIST passed away. We extend our deepest sympathies.

DEL THORSEN reports to us from Columbia, South Carolina where he is Forest Supervisor with the Francis Marion-Sumter National Forest.

ROY EGGEN sends us word from Cocoa Pines, Alabama where he is a Superintendent of Wood Quality and Scaling for the Kimberly Clark Corporation.
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ALVIN HAGEN is Owner of AI Hagen Enterprises in Silver Spring, Maryland. He sends us this information — “After our daughter’s wedding in June, I left the Government to establish AI Hagen Enterprises. We offer management consulting services, and office design and layouts under the new fascinating concepts of Office Landscape Planning wherever these are advantageous solutions to a client’s problem. We still maintain a vital interest in the professional and management problems that foresters face each year.”

E. ARNOLD HANSON is Chief, at the Branch of Information and Education of the U.S. Forest Service Northern Region Headquarters in Missoula, Montana. He says — “Enclosed photo was not used in the 1970 Peavey. With the Nobel Prize being awarded to Norman Borlaug, you might want to consider using it in the 1971 Peavey, if not, please return to me.”

THEODORE O. MYREN is Instructor at Wisconsin State University in River Falls, Wisconsin. He states — “Am now in my second year of teaching Environmental Conservation at Wisconsin State University at River Falls, Wisconsin — after retiring from 30 years work with the U.S. Soil Conservation Service two years ago. Note to Ken, Sorry I didn’t make the last alumni dinner — had planned to but a conflict arose.” We looked forward to seeing you at the Last M.F.A.A. Banquet, Ted.

RICHARD C. SMITH is Professor of Forestry at the University of Missouri, Columbia, Missouri. He says — “Son, Chandler, is a junior at Duke University, pre-medicine. Wife became Assistant Professor in School of Nursing September 1970. I received a Gold Medal Award in October from the University of Missouri Alumni Association.” Congratulations on the honor you received, Dick.

RAYMOND JENSEN sends us word from Cloquet, Minnesota where he is Associate Scientist at the Cloquet Forest Research Center.

JOHN RISS reports to us from Hayttsville, Maryland where he is with the Plant Protection Division, Agr. Research Service, U.S. Department of Agriculture.

THOMAS SCHRADER is Retired in Brainerd, Minnesota. He states — “I retired last July after 30 years with the Federal Government most of which was with the Bureau of Sport Fisheries and Wildlife. Moved back to God’s Country to enjoy the hunting and fishing in the vicinity of Leech Lake, Minnesota.”

FRANK SHEARER is Owner and Manager of Mauk Oregon Lumber Company In Eugene, Oregon. He states — “Hello Gang: Really enjoyed the jubilee edition of the Peavey. Great work. All is well out in the evergreen Willamette Valley — just had our third grandson born in Knoxville, Tennessee so with two down in Australia we consider ourselves to be real pros at spoiling grandchildren. Helen and I expect to escape the January–February gloom and spend a couple of months in Mexico so I’m a grandpa. My daughter is a junior at U. of Minn.”

ALVIN NELSON sends us word from Madison, Wisconsin where he is with the Wisconsin Department of Natural Resources.

DON HIGGINS is Manager in Lumber Sales with the Fruit Growers Supply Company in Hilt, California. He says — “I got to visit with Yale Weinstein and Jack Wuori at meetings once in a while. Have lost track of Bob Hiller, Marv. Harmon and other good friends while in school. Bought 19 acres out on the Applegate River to use as tree farm and retreat. Tell all your guys to stay away from Oregon. Terrible. Rains all the time.”

ROBERT L. MILLER reports to us from Rosemont, Illinois where he is Regional Manager for the Monsanto Co.

JAMES BUSSEY sends us word from Ashland, Wisconsin where he is in Soil Conservation for the U.S. Soil Conservation Service.

CALVIN DelLAITRE reports to us from Minneapolis, Minnesota where he is Owner of DelLaittre Dixon Company.

FRED DICKINSON is a Professor of Forestry and Director of the Forest Products Laboratory, Richmond Field Station, Richmond, California. He states — “1970 was an outstanding year for the Dickinsons. Doris and I became grandparents; our second son, Thomas, received his Ph.D. degree in Agricultural Economics from Michigan State University; and Doris and I had two very enjoyable trips to Europe. In May and June, I presented seminars in France on ‘Aspects of Forest Products Research’ at both the Federal Forest Products Research Institute at Reinbek and the University of Gottingen. In addition, I participated in a Congress on Technology of Forestry Today and Tomorrow at Munich and presented a paper, ‘Research and Technological Developments in Woodworking in North America.’ Following the Congress, we toured forests and castles in the Black Forest Region as guests of the Congress Organizing Committee. The highlight of this trip was the receipt of the Heinrich Christian Burckhardt Medal awarded by the Forestry Faculty of the University of Gottingen. Burckhardt, who lived in the 1800’s was one of the founders of modern German forestry. In November, we journeyed to Rome where I spent nearly two weeks consulting with FAO personnel on wood science and technology education in developing and developed countries in preparation for a World Consultation on Forestry Education and Training to be held in Stockholm in September–October, 1971. We took advantage of the opportunity to do some sight-seeing around Rome as well as visiting Sicily. Our youngest son, Roger, who still calls our home his headquarters, is in his third year at the University of California, Berkeley, majoring in political science and striving to make the Varsity Basketball team. Our oldest son, Robert, lives in Oakland and he is head of an engineering department of Fiden and is concerned with computers. Thomas, our second son, and his wife live in Davis, California, where he is a member of the faculty of the University of California and is associated with the Institute of Ecology.”

JOSEPH FALBO sends us word from Hibbing, Minnesota where he is Junior Natural Resources Manager with the Department of IR,RR.

DUANE RAUENHORST is in Slayton, Minnesota. He reports — “Director of the North Central Forest Experiment Station of the U.S. Forest Service. We appreciate all of the work that you have done on the College of Agriculture, Forestry, and Home Economics Alumni Association, Dave.

DAVID B. KING reports to us from St. Paul, Minnesota where he is a member of the Congress Organizing Committee. The highlight of this trip was the receipt of the Heinrich Christian Burckhardt Medal awarded by the Forestry Faculty of the University of Gottingen. Burckhardt, who lived in the 1800’s was one of the founders of modern German forestry. In November, we journeyed to Rome where I spent nearly two weeks consulting with FAO personnel on wood science and technology education in developing and developed countries in preparation for a World Consultation on Forestry Education and Training to be held in Stockholm in September–October, 1971. We took advantage of the opportunity to do some sight-seeing around Rome as well as visiting Sicily. Our youngest son, Roger, who still calls our home his headquarters, is in his third year at the University of California, Berkeley, majoring in political science and striving to make the Varsity Basketball team. Our oldest son, Robert, lives in Oakland and he is head of an engineering department of Fiden and is concerned with computers. Thomas, our second son, and his wife live in Davis, California, where he is a member of the faculty of the University of California and is associated with the Institute of Ecology.”

1938
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ED SEDLACEK sends us word from Tacoma, Washington where he is Chief Forester for St. Regis Co.
PERRY SKARRA sends us word from Alexandria, Minnesota where he is Retired.
ALVAN STEARNs is with the Kohala Sugar Company in Hawi, Hawaii. He states — “Nothing new to add this year.”

1939

DANIEL BENJAMIN is Professor of Entomology at the University of Wisconsin in Madison, Wisconsin. He states — “Have instituted a new course — Insects and Diseases in the Management of Natural Resources — in cooperation with Forest Pathologist Dr. J. G. Berbee. We are emphasizing use of silviculture and non-pesticide means for curtailting insect and disease depredation. Married off daughter Lillian last year — our son is a junior in Geology.”

GEORGE BOYESEN is District Ranger at the Ochoco National Forest in Prineville, Oregon. He reports — “Still holding forth in wonderful central Oregon. The Peavey is eagerly waited for each year. The staffs have done a great job in recent years. Keep up the good work.”

EARL DAHL is a Pilot (Captain) with the American Can Company at Westchester Airport in White Plains, New York. He writes — “Still flying our jet thru the skies.”

GEORGE GUSTAFSON is Townsite Trustee with the Bureau of Land Management in Anchorage, Alaska. He says — “Greetings from the fast developing ‘last frontier.’ Thrilling and exciting development taking place. Anchorage growing vertically due to the high cost of real estate. The ecologists and nature lovers are going to see that we don’t ruin the country with wrong development. More power to them.”

RICHARD HULTENGREN sends us word from St. Paul, Minnesota where he is with the Division of Lands and Forestry, Department of Natural Resources.

PHIL HUNTLEY reports to us from Norway, Michigan where he is Administrative Services Supervisor for the Kimberly Clark Corporation.

CHARLES HUTCHINSON sends us word from Sacramento, California where he is an Accountant for the Sacramento County Auditor’s Office.

HERBERT JOHNSON sends us word from St. Paul, Minnesota where he is an Extension Plant Pathologist with the University of Minnesota Department of Plant Pathology.

GOODMAN LARSON sends us word from Minneapolis, Minnesota where he is Regional Personnel Officer with the Bureau of Sport Fisheries and Wildlife.

KEN SACKETT is an Insurance Agent for New England Mutual Life in St. Paul, Minnesota. He sends us this information — “Just read the results of your questionnaire and being a graduate who has left the Field, I found it very interesting. Have one daughter in Medical School at Minnesota and the other is a junior at Hamline University. Completed the academic work and was awarded the CLU Degree (Chartered Life Underwriter) in September 1970. Enjoyed the stag honoring Frank Kaufert — it was a great affair. Keep up the good work on the Peavey and in the Alumni Association. Best regards to all!”

CARL SCHOLBERG is District Manager for the U.S. Forest Service in Storrierville, California. He states — “Sorry for being so late. Just the two of us home now except for the youngest who is home now and then. He is enjoying resisting the establishment except for his attitude on welfare — it seems to be work or starve. Maybe this is a change from ultra-liberal to conservative. Having lots of snow — just hope it doesn’t all get rained off — if that happens Sacramento Valley will be in trouble.”

FRANK TUCKER sends us word from Redding, California where he is in Timber Sales with Shasta-Trinity, U.S.F.S.

YALE WEINSTEIN is Vice President for Duke Lumber Company, Inc. in Albuquerque, New Mexico. He writes — “The thrusts and impacts from the new breed of environment and ecology ‘experts’ makes life less happy and sometimes discouraging to Foresters who have been practicing an environmental profession for many decades. But hopefully we will live through this phase.” Thanks for keeping us informed on all of the different alumni that you come in contact with — it helped us very much with our Alumni Directory, Yale.

ALDEN WUOLTEE sends us word from San Francisco, California where he is a Forester for the United States Forest Service.

DAVID VESALL sends us word from St. Paul, Minnesota where he is Supervisor Sec. of Game, Department of Natural Resources.

CHARLES WHITE reports to us from High Point, North Carolina where he is Executive Vice President with the Guardsman Chemical Coatings Inc.

1940

ELDON BEHR is Professor at Michigan State University Department of Forestry in East Lansing, Michigan. He states — “As this is being written in winter I am looking forward to an annual trip to Gulfport, Mississippi in March to inspect specimens in a test plot. One son is a sophomore at Mississippi State and the other a freshman at Purdue. I’m still active in Sea Cadet work. Always enjoy seeing the Minnesota Alumni at the Wood Preserver’s Meetings. I appreciated the survey of grads recently received. It contains a lot of useful information for us in the teaching game.”

C. ROBERT BINGER reports to us from St. Paul, Minnesota where he is Vice President - Resources Development for Burlington Northern Incorporated. — Thanks for all your work on M.F.A.A.

CLARENCE BUCKMAN is Deputy Commissioner for the Department of Natural Resources in St. Paul, Minnesota. He says — “The steadily increasing public concern over environmental problems continues to be a great challenge. It appears, that the various natural resource specialists are going to have to coordinate and cooperate like never before! Foresters should play a leading role but they better get busy!”

GORDON CONDIT reports to us from DeRidder, Louisiana where he is Woodlands Manager with Boise Southern Company.

NORMAN CONRAD reports to us from Milwaukee, Wisconsin where he is Regional Sign Coordinator for the U.S. Forest Service.

CLARENCE EGGEN sends us word from Minneapolis, Minnesota where he is Area Forester for the United States Bureau of Indian Affairs.

DON GREGG reports to us from Minneapolis, Minnesota where he is a Realty Specialist for the Bureau of Sport Fisheries and Wildlife.

ROSSALIUS HANSON is Flyway Biologist and Regional Pilot for the Bureau of Sport Fisheries and Wildlife in Minneapolis, Minnesota. He states — “No change in professional status since last time; however, a second granddaughter has joined the clan. Number two daughter graduates from Duke University this spring and son (Eric) is majoring in football and skiing at the U of M (Duluth) — one daughter still in high school. The 1970 Gopher Peavey was great. Keep up the good work.”


RICHARD KNOX is with the U.S. Forest Service in Washington, D.C. He writes — “These are exciting times in the Nation’s
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JAMES MICHELS reports to us from Susanville, California where he is with the United States Forest Service.

JOHN G. MILES is Chairman of the Natural Resources Management Corporation Board in Eureka, California. He sends us this information — "No change in family status except now have six grandchildren. Currently in process of merging John C. Miles Company Inc. into Natural Resources Management Corporation — an interdisciplinary, world-wide, natural resources consulting company. I feel a little shy among all these Ph.D.'s, some in disciplines that didn't exist two decades ago. Most of them started in Forestry, however, so we can communicate at the basic levels." Sorry I missed you on your recent visit — we will argue next time.

GEORGE OLSON sends us word from Midland, Michigan where he is Manager of Communications Marketing Research for the Dow Chemical Company.

FRANK USENIK reports to us from St. Paul, Minnesota where he is Staff Forester (County and Private Forest Management) for the Division of Lands and Forestry. — Thanks for all your work on M.F.A.A.

WILLARD WEST sends us word from St. Paul, Minnesota where he is Staff Forester for the Conservation Department, Division of Lands and Forestry.

AUGUST BLOCK reports to us from White Cloud, Michigan where he is District Ranger for the U.S. Forest Service.

WILBERT GRAUPMANN reports to us from Renton, Washington where he is Credit Sales Manager.

WILLIAM HOSFIELD reports to us from St. Paul, Minnesota where he is Assistant Staff Forester with the Division of Lands and Forestry.

VERNON HAHN passed away. We extend our deepest sympathies.

MIKE LATOMER reports to us from Grand Rapids, Minnesota where he is Vice President and General Manager for the M.J. Salisbury Company. — Thanks for stopping by Green Hall and visiting with us.

HOWARD OSMUNDSON is Real Estate Appraiser for the Bureau of Indian Affairs in Billings, Montana. He states — "I see more sage brush than timber but do some timber appraisal. And since I have about logged all of our trees, I don't fret so much about log prices. Our family is old enough to keep us hopping but young enough to make me feel old."

DOUGLAS PARSONS is Owner of a Manufacturers' Agency in Bellvue, Washington. He writes — "Your letter reminded me of the time that I was at the 'U' down in the Peavey Room talking with Editor Bob Peterson and Assistant Bill Derx — Bill Derx was killed in the war and Bob Peterson is President of Palmer G. Lewis Co., a large building material district in Seattle. Our office then was across the hall in a smaller office. Things haven't changed much back there and I was actually surprised that they were so much the same. I am working as a Sales Agent and my oldest boy is now working with me and we still handle some building material items, but that is about as close as we get to Forestry."

THOMAS PARTRIDGE is Owner of the Cooper Concrete and Coal Company in Newton, Iowa. He states — "Of course I want to keep my beautiful 42 acres on Sand Point Lake, but it is not just because my 'ox is being slightly gored' that I cry out in opposition to the proposed Voyageurs National Park in Northernmost Minnesota. As a fervent conservationist I see the need for an area of unspoiled wilderness, but the Border Water Canoe Area along with the adjacent Quetico Provincial Park is large enough to accommodate the canoe paddlers. The balance of the area should be widely used by timber producers, resorters, cabin owners, trappers, hunters, and others who bring "new money to this very needy portion of Minnesota and are large contributors to its tax income."

SEDGWICK ROGERS reports to us from Neenah, Wisconsin where he is Research Chemist with Kimberly Clark Corporation.

JOHN WISHART reports to us from Crossett, Arkansas where he is Forestry Division Manager for Georgia Pacific Corporation.

NORBERT ZAMOR reports to us from Atlanta, Georgia where he is Senior Engineer with the Western Electric Company.

1942

JOSEPH APP sends us word from Two Harbors, Minnesota where he is District Ranger for the United States Forest Service.

HIRAM HALLOCK is in Forest Products Research for the United States Forest Products Laboratory in Madison, Wisconsin. He states — "Most of my current research effort is devoted to two problems: the relationship of sawing methods to ways in lumber and secondly the development of computerized systems for decision making in primary sawmill processing of logs and lumber. In this second area of research I have just recently successfully developed a computer program which can accurately grade hardwood lumber from a mathematical description of the board and its defects."

1943

DAVID FRENCH reports to us from St. Paul, Minnesota where he is a Professor for the Department of Plant Pathology and the College of Forestry at the University of Minnesota.

GORDON MAXON is an Insurance Agency Owner in San Leandro, California. He reports — "Still making MDRT (Million Dollar Round Table) every year. Convention in Hawaii this year. Skiing often at Squaw Valley. Riding horses all summer — have 6 now. Rode with Shrine in Indianapolis in August. Youngest daughter Bonni, 15, rode with Championship Drill Team this year. Hunting and camping are as close as I get to forestry."

ROBERT NELSON is working with the Ramsey County Probation Department in St. Paul. Kaye is still with the University of Minnesota Extension Service. Nan is married and teaching in Indiana. Scott is a Junior at the University of Minnesota. Mark is graduating from high school. Mitchell is in Jr. High.

1946

ERNEST GEBHART sends us word from Columbus, Ohio where he is Chief, Ohio Division of Forestry and Recreation.

1947

ROBERT BAUCK is with the Bell Pole Company in Calgary, Alberta, Canada. He writes — "Company enjoying a brisk business which keeps me busy in sales as well as plant management. Daughter Beth married in August and this makes me feel just a little older; however, a highly successful year of waterfowl, upland game and big game hunting has done a lot to chop the years down again. My compliments to you for a fine job on your 1970 Peavey. Keep up the good work!" We have enjoyed having Beth with us over the past four years, and we look forward to seeing you at graduation time.

GLENN DEITSCHMAN is Research Forester for the Intermountain Forest and Range Experiment Station in Moscow, Idaho. He writes — "Honest attempts to assess plus and minus values of forest management decisions have suddenly become impossibly
difficult. The immense complexity of interacting factors, conditions and processes (heretofore eyed casually) now must be the prime target of greatly expanded and highly coordinated forest research effort."

ORVILLE HANNA is a Member of the Staff at the Bell Telephone Laboratory in Whippany, New Jersey. He writes — "Enjoyed a brief visit with Dr. Dave French and his wife Audrey, and a telephone call with Dr. Kaufert on my very brief visit to St. Paul (February 23, 1971). Sorry I couldn’t get out to the University. Family History - Family fine - all four boys in college. Did a little skiing, a little canoeing and a lot of painting last year — ‘turned a red house white.’ My best to all!"

RALPH LAW reports to us from Monroe, Louisiana where he is Director of Woodlands for Olinkraft, Inc.

RICHARD M. MARDON is Project Leader with the Forest Service at the North Central Experimental Station, University of Minnesota in Duluth, Minnesota. He says — "Karen, our 23 year old daughter, graduated from St. Scholastica at Duluth in 1969 and has been teaching in Fort Lauderdale, Florida, for the last 2 years. Mike, our 19 year old is a sophomore at the University of Minnesota-Duluth. Parents fine — fire — a bit grayer perhaps.” Say hello to Anita — we will stop by and visit with you.

ROBERT WOOD sends us word from St. Paul, Minnesota where he is with the 3M Company.

JOHN ZIVNUSKA sends us word from Berkeley, California where he is Dean of the School of Forestry and Conservation at the University of California.

1948

CLIFFORD AHLGREN reports to us from Duluth, Minnesota where he is Director of the Quetico-Superior Wilderness Research Center. — Thanks for stopping by Green Hall and visiting with us.

JOHN ANDERSON is a Presbyterian Minister at Bigfork, Minnesota. He states — “Participated in a ‘Logging Bee’ a short time ago for one of my members who was seriously hurt in a log truck accident. It reminded me of Cloquet Days tossing pulp sticks on a pile. Much different from the logging I did on West Coast and in Alaska. Had a note from the Don Koenigs the other day, they are still at Whale Pass at Davidson Log as Forester for Ketchik Pulp Company. They are spending January in Mexico to get away from the rain and snow of S.E. Alaska. Best wishes for P.V.”

JOE CHERN is with the United States Forest Products Laboratory in Madison, Wisconsin. He says — "Presently working in particleboard research. Main project concerns converting logging residues to particleboard products. Finally, after 6 years, completed building another home. Kids are growing. The boy is 14, girls are 12 and 10. Was nice to come back home for the FPR’s meeting last October.”

PAUL COLLINS sends us word from Brookings, South Dakota where he is an Associate Professor for the Department of Horticulture and Forestry, South Dakota State University.

HERBERT FINCH reports to us from St. Louis Park, Minnesota where he is Plant Manager with Republic Creosoting Company. — Thanks for all your work on M.F.A.A.

MARVIN KITTELSON sends us word from New York, New York where he is Assistant Director of Woodlands for International Paper Company.

ROBERT JORGENSEN is Regional Supervisor of the Division of Realty for the Bureau of Sport Fisheries and Wildlife, U.S. Department of Interior at Fort Snelling, Minnesota. He states — “Since last Peavey issue have remarried and acquired another two children to add to the four I already had; oldest has just graduated from high school and youngest is in first grade. Have moved to Edina to a larger house. Enjoyed the last Peavey issue very much; its hard to get such values for $4 any more. Congratulations to the staff!” We very much appreciate all of your good work on the M.F.A.A., Bob.

JAMES LINNE is Chief for the Division of Resource Program Management for the U.S. Bureau of Land Management in Billings, Montana. He reports — "As to the family — they are in the process of leaving. Four in college this year — one at Minnesota — an engineer yet! The two oldest graduate this year, so things will get easier. Want to plug the work Merle Meyer is doing for us in range studies with remote sensing. We’re about to pull range management kicking and screaming into the 20th century. This is a real breakthrough.” I only wish that I could be with Merle on his visits to you in Montana — he enjoyed them very much.

ROD SCHUMACHER sends us word from Bloomington, Minnesota where he is in Sales for the Masonite Corporation. Thank you very much for all of your work on the College of Agriculture, Forestry, and Home Economics Alumni Association, Rod. We look forward to working with you on the M.F.A.A.

WILLIAM H. ZIEMER sends us word from Minneapolis, Minnesota where he is Estimator with the American Lumber Company. Thanks, Bill, for all of your work for various alumni units in the University of Minnesota.

A. N. NAYER reports to us from Kanpur, India.

EDWARD PLANTE reports to us from St. Paul, Minnesota where he is in Outside Sales with U.S. Plywood.

1949

ROBERT BURKE is Manager of Western Woodlands, Sawmills and Plywood for the American Can Co. in Halsey, Oregon. He says — “Interesting country and challenging job and times for the forest products industry out here. Moved the family into our new home in July — Arlene and I still adjusting to the move from Wisconsin but son Mike, a senior in high school, is a full fledged webfoot already and really is enjoying the change. Best regards to you, Ken, and to Merle and the rest of the group.” Same to you, Bob — we are sorry that you had to leave God’s country.

JOHN HALL reports to us from St. Paul, Minnesota where he is Recreation Planner. — Thanks for stopping by Green Hall and visiting with us.

MERIDITH KINGHAM sends us word from Washington, D.C. where he is Park Planner for the U.S. Department of Interior.

LOUIS BOUDREAU is Plywood-Novaply Sales Manager with U.S. Plywood-Champion Ppers in Redding, California. He says — “Twenty-one years here in Redding — same employer — job continues challenging. New process in particle board plant — the oldest commercial particle board plant in the U.S. Family growing. Eldest son married eldest daughter of Dixon Sandberg — class of ’50! Hence local merger of U.S. Plywood-Champion Papers and Kimberly-Clark. Two boys (taller than me) in high school, daughter in 5th grade and 4th boy in 3rd grade. Much football, basketball, baseball, track, water skiing and fishing around this old house.”

FRANK CULOTTA sends us word from Racine, Wisconsin where he is in Lumber Sales and Purchasing with the Brannum Lumber Company.

S. K. DICKINSON JR. is a Forester with the Erie Mining Company in Hoyt Lakes, Minnesota. He writes — “Dave Youngman (’58) and I were fortunate to have Paul Wells (’70) as a summer employee last year, prior to his going on to grad school. Our company was asked to supply 58, 12 foot balsam fir Christmas trees for the President’s Pageant of Peace at Washington, D.C. This was quite an experience for all concerned. Each year these are supplied by a member company of the American Mining Congress. We find our efforts being increasingly directed toward mine land reclamation work.” We enjoy your visits to Green Hall and the articles that you have published on reclamation of spoil banks, Sam.
OLAF GRETTE reports to us from Snoqualmie Falls, Washington where he is Woods Manager, Cascade Area for the Weyerhaeuser Co.

GEORGE W. HAMMER sends us word from Lake City, Minnesota where he is Area Forest Supervisor with the Minnesota Department of Natural Resources, Division of Lands and Forestry. Congratulations on being named by the Forestry Club as the Field Forester of the Year — it is a well-deserved honor.

HOWARD JOHNSON reports to us from St. Paul, Minnesota where he is Advisory Systems Engineer with the IBM Corporation.

DAYTON LARSEN reports to us from Duluth, Minnesota where he is an Area Extension Forester for the University of Minnesota. — Thanks for stopping by Green Hall and visiting with us.

DONALD MEYER sends us word from Edina, Minnesota where he is a Biology Teacher at Edina High School. — Thanks for all your work on M.F.A.A.

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

WILLIAM R. MILES sends us word from St. Paul, Minnesota where he is an Extension Forester for the University of Minnesota School of Forestry. Congratulations on receiving your Ph.D. degree, Bill — it is well deserved.

RICHARD NEWMAN sends us word from Franklin Park, Illinois where he is Regional Manager of Georgia Pacific.

RICHARD REINARZ sends us word from St. Paul, Minnesota where he is Chief of Community Programs with the Farmer's Home Administration, U.S. Department of Agriculture.

DARRELL RUSS reports to us from Norfolk, Connecticut where he is Forester-in-Charge of the Great Mountain Forest.

RICHARD SCHAFFER reports to us from Portland, Oregon where he is an Appraiser for the Bonneville Power Administration.

HAROLD SCHOLTEN reports to us from St. Paul, Minnesota where he is Assistant Professor at the University of Minnesota College of Forestry.

RICHARD SCHROEDER is a Forester for the Bureau of Land Management in Portland, Oregon. He reports — "Regarding your request for personal opinions on the foresters' role in the struggle for wise environmental use: I think that for too long we have been talking among ourselves. We haven't communicated with the interested lay public. It seems to me that the major influence on resource management decision-making in the future is going to come from the political interaction of non-professional opinions. In other words, in a democratic society, the net result of opposing political forces will determine what the final management decisions will be. The professional can only hope to channel this tide; he can't oppose it. This is something many of us (particularly industrial foresters) can't seem to grasp."

EUGENE STEINBRENNER sends us word from Centralia, Washington where he is a Forest Soils Group Leader for Weyerhaeuser Co. Research Center.

DAVID SWENSON sends us word from Midland, Texas where he is with the Geophysical Service, Inc. — Thanks for stopping by Green Hall and visiting with us.

KENNETH E. WINSNESS sends us word from St. Paul, Minnesota where he is Coordinator of Undergraduate Programs at the University of Minnesota College of Forestry.

WILLIAM AULTFATHER is Director of the Division of Lands and Forestry, Department of Natural Resources in St. Paul, Minnesota. He says — "So pleased with the new status of the College of Forestry. Family is well and busy. Mary is still teaching at the College of St. Catherine. Dave is a freshman at Mankato State and Ann is a junior in high school. I am busy and enjoying my work with a very good crew. Many of the Foresters in the Division of Lands and Forestry are Minnesota Alumni and top notch men. I'd like to extend a special note of thanks to the faculty of the College of Forestry for all the help they have been to us. — Thanks for stopping by Green Hall and visiting with us.

ROBERT J. BENGQVIST is a General Manager for Citation Homes in Spirit Lake, Iowa. He states — "Enjoyed 1970 Gopher Peavey and questionnaire results — Hope to digest them soon."

LeDELL BOWEN reports to us from White Bear Lake, Minnesota.

EDWARD CHRISTIANSON is Reservation Forester in Wabeno, Wisconsin. He writes — "Finally got myself some acreage, so if any of you are in and/or around the Wabeno area, drop in! The door is always open! Stay an hour or a week."

MARTIN COVER reports to us from Cass Lake, Minnesota where he is a Timber Manager for the Wheeler Lumber Bridge and Supply Company.

LeROY FISH is a Buyer for Target Stores, Inc. in Minneapolis, Minnesota. He writes — "Still buying hardware and paint for Target Stores. We have one wood product in the department namely 2 x 4 pegboard from Masonite. Target is expanding rapidly and at the close of 1971 we will have twenty-seven stores averaging 140,000 square feet each operating in six states. Our children number three with Dave, 16, Diane, 12, and Deborah, 5. We do a lot of hiking, biking, skiing, skating, and square dancing. I still get out and call a square dance or two with my wife assisting in the instruction. While on a camping trip to Gooseberry Falls this summer we ran into Harvey Djert, class of 1947. He was doing quite a job there as a naturalist and we had an especially interesting bird hike with him."

TONY GRUBA is a Sales Engineer for the Chapman Chemical Company in Portland, Oregon. He writes — "No news — Seems as the years fly by the contacts get less — Hello to all at Green Hall."

JOHN HAMILTON is a Forestry Instructor at Lassen Community College in Susanville, California. He reports — "No change except for the fact that Dad (me) is now second tallest in family. Mark (oldest son, high school freshman) beat me out. Florence and boys (Mark, Scott, David, Dan) are all fine. I've been having some back troubles but on the mend. Our new college facility will be ready for Fall 1971 — it will really be nice. We hope to make a trip back to Minnesota this summer so hope to see some of you. You western travelers also get out this map and put a big red X on Susanville — then head our way."

WAYNE HANSON reports to us from St. Paul, Minnesota where he is a Staff Forester for the Department of Natural Resources. I have enjoyed working with you on the S.A.F., Wayne. I look forward to more of the same.

EDWIN KALLO reports us word from Duluth, Minnesota where he is a Project Leader at the North Central Forest Experiment Station (USFS).

THEODORE KEPRIOS is with the Republic Cressoing Co. in St. Louis Park, Minnesota. He says — "Son, James, in the Army in Germany — took a fine German girl as his bride. This was reason enough for Dora and me, with daughter and son-in-law, Pat and Scott Brooking, to make the trip to Europe. Couldn't miss the wedding. Jim's bride is from a fine German family even though her father was one of the 'bad guys' in World War II. We are looking forward to their visit in 1972. We took the grand tour while over there, Naturally the highlight was Athens. — Thanks for all your work on M.F.A.A."

VERNON LINDBLOM reports to us from Milwaukee, Wisconsin where he is Branch Chief of Land Purchase, Exchange, and Valuation for the U.S. Forest Service.

KARL LOERCH passed away. We extend our deepest sympathies.

JERALD A. MORTENSEN reports to us from Minneapolis, Minnesota. He reports — "No change except for the fact that Dad (me) is now second tallest in family. Mark (oldest son, high school freshman) beat me out. Florence and boys (Mark, Scott, David, Dan) are all fine. I've been having some back troubles but on the mend. Our new college facility will be ready for Fall 1971 — it will really be nice. We hope to make a trip back to Minnesota this summer so hope to see some of you. You western travelers also get out this map and put a big red X on Susanville — then head our way."

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KARL LOERCH passed away. We extend our deepest sympathies.

JERALD A. MORTENSEN reports to us from Minneapolis, Minnesota where he is a Salesman. We enjoy your visits to Green Hall and I'm sorry I missed you on your last one.
PRODUCTION
NOT
POLLUTION

Today's forester must become aware of the increasing public sentiment and demand for a clean and healthy environment.

Providing young and productive forests through multiple use — sustained yield forest management is the key.
T. SKADSBERG is Managing General Agent for Bankers Mutual Life Insurance Company in Freeport, Illinois. He says — "Wife - Marjorie (Grandmother); Daughter - Alice, 24 years (RN); Married; Granddaughter - Stacey, 21 years - beautiful blond; Son - Thomas, 20 years - United States Navy - Destroyer - Atlantic; Son - Eric, 15 years - Sophomore - Duluth Central High School."

RICHARD SKOK reports to us from St. Paul, Minnesota where he is an Associate Professor at the University of Minnesota College of Forestry.

WINSTON SWANSON reports to us from San Carlos, California where he is Owner of the Winston Swanson Insurance Agency.

MERLE TELLEKSON is Chief, Technical Services Branch, for the Environmental Protection Agency, Water Quality Office, Region V, Chicago, Illinois. He writes — "Nothing new to report. We have been reorganized out of the Department of Interior into the EPA. The work involving cleaning up the water remains the same although the titles may differ. Family remains the same with just one daughter and my wife. Daughter is at that age (13) where she wants to run everything. I suppose she is a little spoiled. I've enjoyed reading the 'Peavey.' Keep up the good work."

ROBERT WALLIN is a Manager with the U.S. Plywood Corporation in St. Paul, Minnesota. He states — "Our welcome mat is still out for all of you to visit our new warehouse at 2871 West Service Road in St. Paul."

1951

HAROLD BENSON sends us word from Minneapolis, Minnesota where he is an Associate Regional Supervisor for the Bureau of Sport, Fisheries and Wildlife.

PHILIP CORSON sends us word from Porterville, California where he works for the U.S.F.S. in the Sequoia National Forest.

DONALD DUNCAN is the Director of the School of Forestry at the University of Missouri in Columbia, Missouri. He sends us this information "Not much new on the family front. I have four kids grow older and so do their parents! Enjoyed very much my brief visit to the campus in August. Lots of changes in the physical plant but still familiar faces and friendly greetings in St. Paul. We would like to have you find an excuse to come to Columbia — to visit the Ozark Forests, the Current and the Eleven Point.

ROBERT GARNER reports to us from Denver, Colorado where he works for the U.S.F.S. in the Sequoia National Forest.

STAN GRUETZMAN reports to us from St. Paul, Minnesota where he is Owner of Biocontrol Lab. Hey! You said you were going to visit the Ozark Forests, the Current and the Eleven Point and Missouri's numerous springs and caves."

ROBERT WALLIN reports to us from Denver, Colorado where he is with the Western Electric Company, Inc.

STAN GRUETZMAN reports to us from St. Paul, Minnesota where he is Owner of Biocontrol Lab. Hey! You said you were going to stop by Green Hall for a cup of coffee. When?

EDWIN HASLERUD sends us word from Neenah, Wisconsin where he is a Forester for Kimberly-Clark Corporation.

PAUL KIPP is an Area Forester with the Bureau of Indian Affairs in Billings, Montana. He reports — "Currently, B.I.A. is going through the throes of reorganization — The outcome is still in doubt and its effects on management of Indian forest lands unknown. I enjoyed seeing a number of Minnesota people in Las Vegas last fall. The amount of business and non-business conducted away from the meetings is always amazing and is a credit to the vigor if not the wisdom of Foresters as a group."

JAMES LINDQUIST sends us word from Arcata, California where he is Research Forester for the Pacific S.W. Forest Experiment Station.

STAN MOSK reports to us from Minneapolis, Minnesota where he is Director of Industrial Development for Soo Line Railroad.

DONALD PETERSON is Forest Silviculturist, Francis Marion — Sumter National Forest at Columbia, South Carolina. He reports — "After 13 years working on the National Forests in North Carolina, mostly in the Appalachian Mountains, have been transferred to Columbia, South Carolina, headquarters for the Francis Marion and Sumter National Forests. The Sumter in the Piedmont is largely eroded, former cotton growing land. The Francis Marion near Charleston is notable for fast timber growth and a good population of wild turkey, the original strain, which has been continuously present since colonial times. South Carolina this year has been celebrating its 300th year since the settlement of Charleston in 1670. Am having a unique opportunity to see just what settlement has meant in terms of the land since that time. The state is again two thirds forested. As foresters we also have a unique opportunity to criticize significantly to the future. We are now re-inventorying the Francis Marion, a very fascinating forest. Am looking forward to the new management plan which will reflect the intensity needed today and the latest in coordination with wildlife management and other uses."

WILLIAM PLOURDE is in Cooperative Fire Protection with the U.S. Forest Service Division S&PF in Denver, Colorado. He writes — "Wife - Jane. Son - Dave, 18, Student at Western State, Gunnison, Colorado. Son - Mike, 15, Jr. High."

DONALD RODER is a Log Distribution Manager with the Simpson Timber Company in Shelton, Washington. He reports — "I have a new wife, new position, new home but with the same old company in the Great Pacific Northwest."

ROLAND SCHONNEKE reports to us from Clemson, South Carolina where he is an Associate Professor at the Clemson University Department of Forestry. — Thanks for stopping by Green Hall and visiting with us.

JACK TUCKER is a Forester for the U.S. Steel Corporation in Iron River, Michigan. He says — "No change in family status; just older. The first of our five young ones will be graduating from high school this year. In my forestry work I'm primarily concerned with the management of northern hardwoods. Some interesting changes and new ideas have come up in recent years. I have frequent visits with Glenn Evans - '45 and Orville Lind - '47 and occasionally see Lynn Sandberg - '47, Emory Feero - '50, Bob Lee - '48 and Ken Steiro - '59."

EVERT WICKSTROM reports to us from Bemidji, Minnesota where he is Forester with the Bureau of Indian Affairs.

1952

GERALD ANDERSON reports to us from St. Paul, Minnesota where he is a Plant Pathologist for the North Central Forest Experiment Station of the U.S. Forest Service.

JOHN AUSTIN is with the Bureau of Land Management in Medford, Oregon. He reports — "The past year was very good to us. We now have a new house, which we were working on every spare moment of the summer. Kirk, our son, started first grade this fall. Calvin Smith and his family are still in Medford. Gordon Gray is here too."

JOHN BENSON reports to us from Minneapolis, Minnesota where he is with the Youngblood Lumber Company.

BRUCE A. BROWN sends us word from Cloquet, Minnesota where he is Superintendent at the Forest Research Center.

JOHN DAVID is Wetlands Program Supervisor of the Bureau of Sport Fisheries and Wildlife in Minot, North Dakota. He sends us this information — "Still trying to stay one jump ahead of those bent on destroying what is left of our prairie pothole country. The environmental awakening is encouraging, but so far has had little effect on what is happening to our natural resources here in North Dakota."

WILLIAM HAMLIN reports to us from Tomahawk, Wisconsin where he is Assistant Logging Superintendent with Northern Woodlands, Owens-Illinois Inc.

JAMES HAUAN sends us word from Brookings, South Dakota where he is Clergyman for St. Paul's Parish.
Gentlemen and Ladies:

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

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

- INSTRAMURAL SPORTS
- CHRISTMAS TREE PROJECT
- MIDWEST FORESTERS’ CONCLAVE
- FORESTERS’ DAY
- CANOE TRIP
- FALL BONFIRE

Greetings from

biocontrol CORPORATION

4805 Univ. Ave. N.E.
Minneapolis, Minn.
PHILIP HEYN sends us word from John Day, Oregon where he is a Forest Engineer on the Malheur National Forest.

DENNIS JOHNSON is Vice President in Purchasing at the Metropolitan Lumber Company in Oak Brook, Illinois. He states — "Oldest son ready to start college and it appears at present he will be heading for Forestry School at U of M after 2 years at a small school, majoring in Park and Recreation Management. Had a fine visit at Green Hall the past summer."

KENNETH JOHNSON is Owner of K. J. Johnson Construction Inc. in St. Paul, Minnesota. He states — "Family and Business doing fine."

MICHAELLYSNE reports to us from Oakridge, Oregon where he is District Ranger for the U.S. Forest Service.

RICHARD P. LEINFELDER reports to us from St. Paul, Minnesota where he is a Forest Products Manager for Chapman Chemical Company. We miss your visits to Green Hall, Dick. Stop by when you have time.

JOHN PERRY sends us word from Cokato, Minnesota where he is now employed with Gura Supreme as Asst. General Manager. We welcome a visit to our plant if you are in the neighborhood.

DON SCHMIEGE is in Research for the U.S. Forest Service at the Pacific S.W. Forest and Range Experiment Station in Berkeley, California. He sends us this information — "We moved to California in June of 1970. We moved from the least populated state to the most and the difference is very apparent. One of the important factors in our decision to move was the chance to work on finding substitutes for DDT and other persistent pesticides. Marge is taking graduate courses at the U. of Cal., Berkeley. We plan to return to Alaska someday."

— Thanks for stopping by Green Hall and visiting with us.

DAWLD WESTERBERG is Forest Supervisor with the United States Forest Service in Gainesville, Georgia. He reports — "Everything still the same as last year. Best wishes to everyone at the School of Forestry."

GARY ADAMS is a Forest Supervisor for the U.S. Forest Service in Wenatchee, Washington. He writes — "Holding forth here in the Pacific Northwest on the Wenatchee National 'Burn' with wife and young son. My present assignment is Project Leader for the Land Classification Project which is a pilot program in the region. This July 1 am scheduled to transfer to the Deschutes National Forest at Bend, Oregon and start the whole classification process over again for that forest. This is a new type of comprehensive land planning project that we will be learning more of all over the National Forest system."

NEIL ANDERSON sends us word from St. Paul, Minnesota where he is Professor of Plant Pathology at the University of Minnesota.

ROBERT ARKINS is Chief, Division of Grants-in-Aid of the Bureau of Outdoor Recreation — USD in Denver, Colorado. He writes — "Here is a news item on an old friend who may be too modest to brag to you about his success — Denver Post 10/29/70 — Forester Walter J. Fillmore, 49, of Erie, Colo., has been named assistant regional forester for the northern region of the U.S. Forest Service at Missoula, Mont., headquarters. Class '49."

DONALD G. BUTLER sends us word from Minneapolis, Minnesota where he is a Sales Manager for Canton Lumber Sales. It's good to get together with you on the Alumni Association meeting, Don. Keep up the good work.

DAVID CROSS is Manager of the Appraisal and Consulting Department, at the Towle Company, in Minneapolis, Minnesota. He reports — "Dull year!"

LANSIN HAMILTON sends us word from Aitkin, Minnesota where he is Manager at the Northern Timber Company. — Thanks for stopping by Green Hall and visiting with us.

LEWIS NICHOLSON sends us word from Portland, Oregon where he is a Forester with the U.S. Forest Service.

ROBERT NIXON sends us word from Roseburg, Oregon where he is Supervisory Civil Engineer at the Umpqua National Forest of the U.S. Forest Service.

HOWARD VENNERS reports to us from Indianapolis, Indiana where he is Inspector for Western Electric Company and Republic Creosoting Company.

JERRY ANGIER is a District Representative for ESCO Corporation in Hibbing, Minnesota. He writes — "JoAnne and three kids still camping in Hibbing while I travel the Lake States for ESCO. Primarily mining equipment, but more emphasis on mechanized logging and pulp mill process equipment. Latest good news was order for the circulating systems on the batch digesters for Mead at Escanaba, Michigan."

HARLAN FREEMAN sends us word from Seattle, Washington where he is a Scientist with the Weyerhaeuser Company.

RICHARD HANEY is a Forester for the Forest Service in Bend, Oregon. He writes — "Working as Lodgepole Forester, Bend Ranger District, under very depressed market conditions this past year. Looking to the future and a better chip market. Have over 100,000 acres lodgepole type on district with heavy mountain pine beetle infestation in a couple of areas. All sales appraising deficit in lodgepole, so working at getting ahead for later. Daughter, Janet, sophomore, Southern Oregon College, Steve, junior, high school, Keith, sophomore; both play first string baseball and basketball. Loren, eighth grade and Jill, 2, at home. All happy with central Oregon sunshine. May be back for visit come August."

RALPH JOHNSON reports to us from Golden, Colorado where he is a Forester at the Arapahoe National Forest.

DAVID KING is Professor of Watershed Management at the University of Arizona in Tucson, Arizona. He reports — "When are Skol and living coming down for research program consultation during quail season? I enjoyed my visit last summer and being an observer of the now legendary Silver Spur incident in Las Vegas."

— Thanks for stopping by Green Hall and visiting with us.

DENNIS WOOD is President of Coulee Region Enterprises in Bangor, Wisconsin. He sends us this information — "It seems fairly obvious that Foresters will be expected, and must be prepared to be leaders in maintaining an environment for the highest possible quality of living. We are not getting the word across that forests and water are renewable resources. We see articles, editorials, letters, etc. pertaining to saving trees (one advocated an artificial Xmas tree for the White House) as if no tree should ever be cut. On the other hand we see too much of the cut-out and get-out philosophy. I guess what I'm saying is that Foresters must be prepared to teach and preach multiple use and to explain basic forest management principles to the public. Clearcutting and fire are good tools but if the public doesn't understand them they could be more trouble than they are worth. Pesticides and herbicides, as I see it, have an extremely limited place in the future of forest management."

1955

THOMAS RUDOLPH sends us word from Rhinelander, Wisconsin where he is doing Forest Radiobiology Research work at the North Central Forest Experiment Station.


1956

SIDNEY CARLSON, JR. sends us word from Portland, Oregon where he is a Builder/Industrial Sales Manager with the Boise Cascade Corporation.
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300 dealers in this area.
ROGER COFFMAN sends us word from Hopkins, Minnesota where he is Estimator for the Loeffel Engineering Company.

NICHOLS FARNUM JR. reports to us from Edina, Minnesota where he is with the Inland Construction Corporation.

PHILIP OPSAL is President of Jason Associates, Inc. in Fort Collins, Colorado. He says — “It’s ‘Grandpa Opsal’ now!” September 24, 1970, Michael Janson was born. Pam & son-in-law Mike Stanes live here. Mike is in pre-med at CSU. Wade, 16, is an ‘A’ student and quarterback with the sophomore team at Poudre High. Claudia, 14, is enjoying Cas La Paudre Junior High where she is a cheerleader. Claudia works, feeds and cares for 22 horses (including 10 mares due to foal in Spring). Grandmother is busy as a teacher’s aide in a small rural school ten miles north at Waverly. Grandpa got back to skiing for first time in 25 years and is it ever great out here! No comparison to Powderhorn Park in Minneapolis.”

BARRY PETERSON sends us word from Carefree, Arizona where he is District Ranger with the U.S. Forest Service.

JOSEPH RANTA reports to us from Dayton, Ohio where he is a format for the Peavey.

ROBERT L. HERBST is Commissioner of Minnesota Natural Resources Department. He writes — “Enjoyed last year’s Peavey and am looking forward to this year’s.”

EVERETTE ELLISON is a Forest Manager for the Bureau of Indian Affairs in Ignacio, Colorado. He writes — “Family, Carol, age 11, and Mark, age 9, growing up too fast. Took a swing through northern California last spring. Stayed a couple of nights with old classmate Ted Kubitz in San Francisco. Had a short visit with Ken Englebretson at Hoopa, California. Whole family started skiing last spring. Great fun but a real challenge for a decrepit old Minnesota flat land skier. Visit quite a bit with Ben Olson with USFS in Durango. Enjoy the Peavey and hope to get enough time to visit the school again some day. Best of luck on the new format for the Peavey.”

ROBERT L. HERBST is Commissioner of Minnesota Natural Resources Department in St. Paul, Minnesota. He writes — “Been National Executive Director of Izaak Walton League of America. Appointed by Governor Anderson January 4, 1971 to be Commissioner of Minnesota Natural Resources Department. Enjoyed recent traveling throughout nation. Honored to meet with President Nixon during year on environmental problems and ideas.” Welcome back to God’s country — it is good to have you with us, Bob.

THEODORE HULLAR sends us word from Buffalo, New York where he is Associate Professor of Medicinal Chemistry and Associate Dean of the Graduate School at the State University of New York.

TIM KNOPP reports to us from St. Paul, Minnesota where he is an Instructor at the College of Forestry, University of Minnesota. Congratulations on receiving your Ph.D. degree — it is well deserved.

RICHARD MANLY is the Associate Director and Chief Planner of the National Audubon Society, Nature Center Planning Division in New York City. He says — “Travel has been the byword of this job. Getting out of New York City on a regular basis is necessary in order to maintain a healthy body and mind. This job has carried me to many parts of the U.S. and Canada on a number of planning projects. The Peavey directory of alumni has never been an invaluable tool for locating old friends on these sojourns. Best wishes to all.”

THOMAS ROESSLER is a Forester (Timber Manager) with the U.S.D.I. Bureau of Land Management in Salem, Oregon. He writes — “No change (family and job). It was a pleasure to meet Dr. Carl Reidel (keynote speaker) BLM Forestry Workshop, Reno, Nevada, January 1971. Congratulations to Bob Herbst (57), Commissioner of Conservation, State of Minnesota.”

FLOYD D. RUDY is an Assistant Secretary for the Northwest Paper Company in Cloquet, Minnesota. He states — “I am still in Cloquet with a Finnish wife and a new sauna. Have been with the Northwest Paper Company over 3 years and enjoying the highly diversified work very much. The latch-string is out and the sauna can be quickly heated for any Minnesota Graduates in the area. The next time Ken Winness is in the area, I’ll heat some of that stubbornness out of him. My congratulations on a fine Peavey. It shows the quality of the Forestry School, its professors, and its students.” I plan to see you at Paul’s Place for further discussion relative to Foresters’ Day (tobacco chewing, etc.), Floyd.

RICHARD WARING is Associate Professor of Forest Ecology at the School of Forestry at Oregon State University in Corvallis, Oregon. He says — “Returned after a year’s sabbatical in Austria to find some real challenges as a part-time administrator in our International Biological Program’s Analysis of Ecosystems. It is rewarding to break out of narrow interest and participate with scientists in other disciplines. After a winter in Austria we make it a point to get away to the mountains at least once a month. I look forward to receiving the P.V.”

DENIS BAKKE is Security Salesman for Caldwell Phillips Inc. in St. Paul, Minnesota. He writes — “The Golden Anniversary Peavey was just great — only wish we could hear from even more grads. The Security Business has been good to us and we have enjoyed another five years. Phyllis is doing some substitute teaching and Sue (10) and Denise (12) are quite busy with school and activities. The Board did a wonderful job in planning our evening honoring Dr. Kauter. Best wishes to all.” Congratulations on your work with the M.F.A.A. — it seems that we can always count on you to do a good job.

CURTIS BERNDT is a Trails System Coordinator for the Department of Natural Resources, Division of Parks and Recreation. He writes — “Number of exemptions status quo. Taxes on same residence rise. Less disposable income for same work due to inflation. Above necessitating JoAnn and I starting our part-time business — a distributorship in all organic household and industrial products. Future very! very! very! bright due to peptic acceptance of company, superb products, and sales plan. — ‘The Impact of the Forest Visitor’ — Management guidelines (for varied sites) in terms of carrying capacities of people (by recreational activity) will be needed so the primary management objective is not lost and/or the environment for which the people have come is destroyed. Also a definite realization that management cannot in all cases design recreational use areas to meet the users likes at the expense of the resource.”

WILLIAM BERNDT reports to us from St. Paul, Minnesota where he is an Assistant Staff Forester in Reforestation for the Minnesota Division of Lands and Forestry.

ROBERT ERICKSON reports to us from St. Paul, Minnesota where he is an Associate Professor for the University of Minnesota College of Forestry.

PETER FFOILLIOTT is an Assistant Professor at the Department of Watershed Management at the University of Arizona in Tucson, Arizona. He states — “Enjoyed last year’s Peavey and am looking forward to this year’s.”

ROBERT HEBKERSMAN reports to us from St. Louis, Missouri where he is in Preservative Sales for the Wood Treating Chemical Company.

TED NISKANEN is an Economic Development Specialist with the Wood Preservative Bureau at the University of Minnesota. He states — “Now working as an Economic Development Specialist for State O.E.O. in Minnesota.”

CARL REIDEL is Assistant Director for the Center for Environmental Studies at Williams College in Williamstown, Massachusetts. He sends us this information — “After two challenging years at the Williams College Environmental Studies Center, the Reidels will be on the move again this summer. I’ve received a one-year appointment as a Harvard Fellow under the Bullard Fellowship for Forest Resources for independent study. We’ll be...”
moving a ways east to be more convenient to Harvard. Jean completes studies for a MEd in June; Ingrid -7, Kristin -6, and Jonathan -2 keep our home young and joyous. My congratulations to the new College and to the Dean who made it so."

BRUCE ROETTINGER is Entomologist with the USDA, Forest Service, California Region, in San Francisco, California. He states — "The past year was great — expect '71 to be even better. The family continues to grow — in size, not in numbers. While we are now confirmed westerners, we still enjoy the Peavey and look forward to the coming issue."

RICHARD SCHNEIDER is an Assistant General Manager for the M. J. Salisbury Company in Grand Rapids, Minnesota. He says — "Recently transferred to the M. J. Salisbury Company which is a subsidiary of the Blandin Paper Company. Am now involved with wood procurement and logging. Congratulations on a job well done on the anniversary edition of the Peavey. "I enjoy your visits to Green Hall and it is fun working with you on the S.A.F., Dick."

RICHARD TOUSLEY reports to us from Grand Marais, Minnesota where he is Superintendent with the National Park Service.

1959

EGOLFS BAKUZIS reports to us from St. Paul, Minnesota where he is a Professor at the University of Minnesota College of Forestry.

HAROLD BOLT is a Forester for the U.S. Forest Service on the Payette National Forest in McCall, Idaho. He states — "Will transfer in June to McCall, Idaho from Region Office, assigned to Payette National Forest as Staff Assistant working as study leader for Salmon River study under Wild and Scenic Rivers Act."

TOM CHRISTENSEN is a Student at the Naval Post Graduate School in Monterey, California. He sends us this information — "Since my last input I've moved to Monterey to work on my Masters Degree here at the Naval Post Graduate School. Should be finished in early '72 and then will be transferred again for the fifth move in five years. The old business about joining the Navy to see the world has worked especially well for me since 1967 when I departed Cleveland for subsequent one year tours in Turkey, Naples, Italy, Washington, D.C. and Monterey, California." — Thanks for stopping by Green Hall and visiting with us.

ROBERT DRONEN reports to us from Minneapolis, Minnesota where he is Land Administrator for Minneapolis Housing and Development Authority.

CORNELIUS GROOTHUSEN is a Graduate Student at the State College of Forestry in Syracuse, New York. He states — "The Forestry school yearbook here at Syracuse is supported by students' fees and can count on $10,000/year income from those fees. The book has tended to become a political yearbook oriented toward the politics of whomever is editor. Last year of course and this year also the book is oriented toward environment. I had been trying to get this year's yearbook staff to become more business minded and to plan a book that would be in demand without being supported by student fees. This year the graduate students obtained separation from undergraduates in use of fees and graduates voted not to support the yearbook. I believe that if it became optional most undergraduates would not buy the yearbook either. For illustration of a yearbook that supports itself, not by grant, but by entry into the market, I used the Peavey. The students were impressed by the Peavey, but I doubt any change in yearbook politics will result here until the grant system is abolished. That is why I was disappointed to learn that the faithful Peavey after last year's success is now planning to enter the political field, to become more relevant, or so it believes, by turning to the environment. Its orientation towards foresters' interests in the past is what made it sell; and I hope that the independence of the Peavey can be sustained by its having market appeal. Grant yearbooks soon lose any value, witness the contempt most students feel here towards their own school's yearbook."

KARL HASSER reports to us from Los Vegas, Nevada where he is District Ranger with the U.S. Forest Service.

DAVID LINNE is an English Teacher at St. Louis Park High School in St. Louis Park, Minnesota. He says — "I'm teaching English at St. Louis Park H.S. Finished up my M.A. (U of M) in Speech, Communication in 1969, and my wife had a book published by McGraw-Hill. We have two boys and are generally enjoying camping etc."

BENNETT OLSON reports to us from Durango, Colorado. — Thanks for stopping by Green Hall and visiting with us.

GLENN PARK is a Horticulturist for the Chicago Botanic Garden in Glencoe, Illinois. He writes — "Nothing new this year except that Helen and I got a year older. Looks like we may finally get another Minnesota Forester away from that state for this summer at least. I hope we (Chicago Botanic Garden) can get a few more next year. You asked for comments on a number of items. Boy, you really picked some good ones. I could comment on them all but I don't have room on this card. 1. Use of Fire — Should be used more. 2. Clear Cutting — A hot one here and I've been away from close contact with current foresters' practices. From what I saw in Montana two years ago on vacation, I'm not too enthused about it. It may be more economical, but looks like hell. 3. Pesticides and Herbicides — Should be used by licensed or trained operators and more research should be done on the effects or side effects of a particular product. The do-gooders should be put down immediately when they start condemning something without straight facts."

AL SCHACHT is with the U.S. Forest Service in St. Paul, Minnesota. He sends us this information — "Family increased by one this past year with the addition of Dan. Wife Judy — Eric (6), and Steve (5) are all in good health. Enjoy my associations at Green Hall and the opportunity to see many of the school's graduates." — Thanks for all your work on M.F.A.A. We enjoy your visits to Green Hall, AI — and I look forward to working with you on the M.F.A.A.

DOUG SEASTROM is a Forester for Sequoia Forest Ind., Inc. in Dinuba, California. He writes — "Despite earthquakes, fires, smog and the stock market, the family is fine. Keep up the quality in the Peavey. It is truly unique and helps maintain that individuality of foresters."

RICHARD TROCHILIL sends us word from Park Falls, Wisconsin where he is a Staff Officer on the Chequamegon National Forest.

WILLIAM WESTERDAHL sends us word from Whitewood, South Dakota where he is Plant Manager, Wheeler Lumber Division, of the St. Regis Paper Co.

1960

KENNETH ANDERSON is Lands Staff Assistant in the Green Mountains National Forest in Rutland, Vermont. He states — "Moved to Vermont in the early part of December. They have an active land purchase program here and I am working on appraisals for it. Hope to see the NE while I am here. Very much ski country so plan on giving it a try. Was out to the Wenatchee Washington fires in August along with many other Forest Service people. First large fire I have been on and I found it interesting. Worked on two different fires over a two week period."

MILES K. BENSON reports to us from Appleton, Wisconsin where he is a Research Fellow for the Institute of Paper Chemistry. We enjoyed your visit to Green Hall and thanks for sending along the Critique developed by the students back in 1960.

JAMES BROWN sends us word from Missoula, Montana where he is Research Forester for the Northern Forest Fire Laboratory (USFS).

LEE W. HINDS is Manager for the Lincoln-Oaks Nurseries in Bismarck, North Dakota. He sends us this information — "Greetings
to Ken and all. Enjoyed visiting the Shumways in California last year. Also visited Dave and Diane Myhre. Glad to live in North Dakota. The potlatch is out. Hello from Bernice, Ken." Hello to Bernice, Lee.

BILL KAUTH sends us word from Solon Springs, Wisconsin where he is Assistant District Forest Manager with Mosinee Paper Corporation. I enjoyed seeing you at the Loggers' Day at Cloquet, Bill.

FRITZ KOEPP is a Forestry and Water Rights Agent with the Southern California Edison Company in Los Angeles, California. He reports — "I'm still working in smoggy L.A. and it's getting smoggier all the time. About the only personal solution I've found is escape so we hope to move to Huntington Beach soon. The family is fine — Rob is 4 and Kris is 2 now. Best regards to everyone at Green Hall."

VERNON OBERG reports to us from Butte Falls, Oregon where he is Forester with the United States Forest Service.

JAY PROBASCO is a Resource Forester with the U.S. Forest Service at Sequoia National Forest in Springville, California. He says — "Plan to take my vacation this year to Minnesota, I will try to stop by Green Hall toward the end of June. Contrary to popular belief, some of California was free from the effects of Southern California's last quake. We still accept visitors only, saw Fritz Koepp and family at a party recently. He and his family looked great."

LOUIS SUDHEIMER is in Sales and Marketing with Conwed Corporation in St. Paul, Minnesota. He sends us this information — "1970 was a milestone for the Sudheimers as the year of our first-born - a daughter Lara. She has brought much additional joy to the household. We continue to live in St. Paul, and I remain in Sales with Conwed."

1961

JAMES BROWN is an Environmental Control Engineer with Climax Molybdenum Company in Climax, Colorado. He sends us this information — "Well after these years of working for experience in as many resource management fields as possible I now have an opportunity to put them all together in environmental control. One mine has problems accumulated over 60 years, and another is a prime position for the finally arrived public environmental approach. Still looking for a good argument so stop in."

GILBERT CHURCHILL is an Assistant Ranger for the U.S. Forest Service in Bethel, Maine. He writes — "In September 1970, I left the Superior National Forest for a fire detail in Idaho on Don Zwicky's (1959) District. From there I reported to a new position as Assistant Ranger on the Evans Notch Ranger District of the White Mountain National Forest in Bethel, Maine."

PAUL ELEFFSON is Director of Environmental Programs in Washington, D.C. He says — "Will be leaving Michigan's Department of Natural Resources very shortly (April 1971) to begin work as Director, Environmental Programs with the SAF. Enjoyed visiting with fellow Minnesota Alumni last fall at the SAF Las Vegas meeting. Am looking forward to the 1971 Gopher Peavey."

WARREN ILLI is an Acquisition and Exchange Specialist with the Chippewa National Forest in Cass Lake, Minnesota. He writes — "Still with Forest Service at Cass Lake. I continue to enjoy my position as Land Acquisition and Exchange Forester on Chippewa. I live in Walker, about 20 miles south of Cass Lake. Walker is on the west shore of Leach Lake and enjoys a reputation as being one of the cleanest and finest small towns in Northern Minnesota. Our family certainly enjoys the quality of small town life. Big news is the addition of new son, Michael Allen, to our family."

CHARLES (CHUCK) LOWERY sends us word from Bloomington, Minnesota where he is Assistant Director with the Parks and Recreation Department. — Thanks for all your work on M.F.A.A.

WAYNE R. NICOLLS is a Land Adjustment Staff Officer with the U.S. Forest Service in Harrisburg, Illinois. He says — "Moved to beautiful southern Illinois to the Shawnee National Forest in August '70, and find it quite different and challenging. We miss the lakes of the Lake States and many friends there. Family stands at three girls in addition to my 'best' girl - Connie, and Ivan (son of Oldie) who surprisingly points quail! For the 'dyed-in-the-wool' Lake States lovers, I say they don't know what they're missing down here in shotgunner's paradise. Most surprising thing about this move is that I'm working for an engineer! (And enjoying it!) Best of luck for the '71 Peavey, but can't imagine how you can top that last outstanding production." I enjoyed seeing you at the Don Ferguson party last summer — I am sorry you had to leave the Superior National Forest. We miss you and your wife.

RICHARD PEDERSON is Lands Staff Assistant with the Monongahela National Forest in Elkins, West Virginia. He states — "The job and family status as last year. Wife Helen is as busy as ever with many community activities. June (age 7) started school last fall and Neal (age 3) enjoys playing in our 3 acre yard. Hoping to get to Minnesota for a visit this summer. Last year's Peavey was the best ever."

DAVID BENSON is a Forester for the U.S. Forest Service on the Chequamegon National Forest in Park Falls, Wisconsin. He says — "Congratulations on a fine 50th Anniversary issue! Things have been pretty quiet in the Benson household for the past couple of years. Carol has spent the past few winters developing her skiing ability. No broken bones yet, but she gets closer each year. Son, Michael, keeps growing and starts school next fall. We've been in the Chequamegon area over 5 years now and like it better each year."

WAYNE GIBSON reports to us from Superior, Wisconsin where he is Manager of the Pattison Park Work Unit at Pattison State Park for the Wisconsin Conservation Department.

ADRIAN HAGEN sends us word from La Crosse, Wisconsin where he is Area Forester for the Wisconsin Department of Natural Resources.

JAMES A. HASTINGS sends us word from Benson, Minnesota where he is Supervisory Appraiser for the United States Fish and Wildlife Service. I enjoyed seeing you at the Normandy Hotel restaurant, Jim. Happy wedding anniversary.

JAMES JACOBSON reports to us from Nemo, South Dakota where he is Forester at the Mariposa Regional District, Sierra National Forest.

GARY JOHNSON reports to us from Mariposa, California where he is Forester at the Mariposa Regional District, Sierra National Forest.

RICHARD JOHNSON is Land Appraiser for the U.S. Fish and Wildlife Service in Fergus Falls, Minnesota. He writes — "Greetings to all from the Prairie Pot Hole Country. Good luck on the 1971 Peavey."

WILLIAM KELSO sends us word from State College, Mississippi where he is Associate Professor at the Mississippi State University.

LARRY KIRKWOOD is Manager in the Timberlands Operations Research Department with the Waynehauser Company in Tacoma, Washington. He reports — "Family consists of wife Arlene, son Tom, 6 years old, and a new daughter born January 29, 1971—Susan Marie. We have been in Washington since 1966 and enjoy the job and area more each year. If you are traveling in this part of the country be sure to stop in."

JAMES KLEIN is Technical Superintendent with the Container Corporation of America in Chicago, Illinois. He sends us this information — "Still working in Chicago with Container Corporation. Moved from Controller to the mill as Technical Superintendent. Enjoy the work. Family is fine and we send our regards to everyone at the School."

RICHARD KLUKAS is a Park Management Biologist at the Everglades National Park in Homestead, Florida. He says — "Same as last year."

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ROBERT MEGRAW sends us word from Seattle, Washington where he is a Senior Scientist for the Weyerhaeuser Corporation.

JAMES MOHLER is Forrester with the U.S. Forest Service in Milwaukee, Wisconsin. He says — "No big news from me this year. I'm still working on Timber Management plans for the Forest Service in Milwaukee. (This has gotten to be somewhat of a challenge with the current concern for the environment — cutting trees isn't too popular these days)! The family is fine.”

DONALD MYREN sends us word from Sainte, Marie, Ontario where he is Forest Pathologist for the Forest Research Laboratory.

ROBERT PANEK sends us word from Grand Portage Reservation in Grand Portage, Minnesota where he is a Forrester with the Bureau of Indian Affairs.

LAWRENCE REVIER is a Farmer in Waubun, Minnesota. He states — "Joanne and I now have an addition to our home in the form of a lovely daughter born on November 14, 1970."


WENDELL BEARDSLEY reports to us from Ogden, Utah where he is an Environmental Specialist with the Bureau of Reclamation.

GERALD ZAMBER is Assistant Pipeline Project Coordinator for the Bureau of Land Management in Anchorage, Alaska. He writes — "I'm still working as Assistant Pipeline Project Coordinator for the BLM. You may have heard about the trans-Alaska Pipeline??? The job is most challenging. Spent quite a bit of time traveling this year — out of state that is. Dix and kids are in fine shape. We all boat, canoe, ski, hunt and snowmobile as time allows. Don Koenigs visited us this fall and later sent us the best black labrador a guy could get. Sure was good to see Don. Bob Gilbertson stopped on his way to Cadwell and we had a good visit. Met Vincent Olson — see good 01' George Gustafson and Roy Clark quite a bit. We all sure like the big state and hope to stay here as long as we can. My best to all."

1963

WENDELL BEARDSLEY reports to us from Ogden, Utah where he is an Economist for the Intermountain Forest and Range Experiment Station (USFS).

WILLIAM FIEBER is Timber Management Plans Forester in the Supervisors Office of the Mendocino National Forest in Willows, California. He sends us this information — "Am now Timber Management Plans Forester in the Supervisors Office of the Mendocino National Forest. Don't have to worry about fire chains and snow shovels here in the Sacramento Valley. Keep in practice on frequent ski trips to Mount Shasta."

RICHARD A. PIHN is Appraiser with the U.S. Fish and Wildlife Service in Fergus Falls, Minnesota. He writes — "Not much news. Wetlands program is still grinding along. The forecasted fall flight from Canada didn't show up, leaving many hunters disgruntled. The Fergus Falls Realty Staff is still 100% U. of M. Foresters. Anyone passing through the Fergus Falls area should stop in." We missed you at the last Foresters’ Day — hope you can make the M.F.A.A. Banquet this spring.

THOMAS FOLLRAH is Chief, Branch of Appraisals, Division of Realty for the Bureau of Sport Fisheries and Wildlife in Minneapolis, Minnesota. He states — "Still with the Bureau of Sport Fisheries and Wildlife in our Regional Office in Minneapolis. Family is also still the same, a daughter, Ann, who just turned four, and a son, Mike, who will be two this summer. My wife, Joan and I extend an invitation to any of the alumni who find themselves in the Twin City area to give us a call or stop over for a visit."

DAVID HANSEN sends us word from Clarissa, Minnesota where he is Owner of the Hansen Lumber Company.

1964

LARRY L. CHRISTIAN is an Assistant Area Forester for the Department of Natural Resources in Wisconsin. He says — "Well all still goes well here. Our little boy, Matt, is doing real fine. He started walking at nine months and learned his first words at seven months, DaDa and fish. He likes to watch my tropical fish. We're expecting again this June. It took 5½ years to figure out how — sure hope it doesn’t take that long to figure out how not to. Glenn Lillars stopped in the other day; guess I could be seeing him off and on for awhile now as his new job as salesman brings him to Wausau occasionally so Sparker, Glenn and myself had a small reunion and had a good time. Hope to see you before summer. A lot depends on how the spring riots go. Sure is heck to have to take up arms in your own country against your own people." We enjoyed your visit to Green Hall and your letter as to the importance of farm forestry, Larry.

TIMOTHY DONOVAN reports to us from Northome, Minnesota where he is District Forester for the Minnesota Department of Natural Resources.
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WARD to seeing you at the M.F.A.A. Banquet.

MEYRON HALL is Forester for the Bureau of Indian Affairs in Haquiun, Washington. He reports — "We are still living in Haquiun, Washington and since last year at this time, Darlene and I have become proud parents of a fine son, Matthew George. The Bureau of Indian Affairs has treated me well and I find the work challenging and rewarding. Every now and then I get a chance to talk to some Minnesota graduates who are in this area and it's great to compare notes and see who is doing what."

ROBERT HANCE JR. is Superintendent of the General Andrews Nursery, Division of Lands and Forestry, Minnesota Department of Natural Resources, Willow River, Minnesota. He sends us this information — "Still Superintendent of the General Andrews Nursery for the Minnesota Division of Lands and Forestry, Department of Natural Resources. I really enjoy the work, and the family, which now includes three boys ages 1, 4, and 5, enjoys the country living. I joined the snowmobile set a year ago and now the winters are too short."

MICHAEL LANQUIST is Assistant Area Forester for the Department of Natural Resources in Sparta, Wisconsin. He states — "Still living in Sparta with the same sized family of two girls, one dog, and the same old wife learning new tricks. I lost money on the Vikings this year. What's wrong over there in Minnesota? It's hard being a Viking-fan living in Packer land. Forester's future role: should be one of an increasing and more active role in 'total-land-use-planning.' Foresters must be more vocal and active in the future. They should capitalize on the social importance to our environment that our Multiple-Use concept has played in the management of our nations forests the last 10 years, and the impact it can have in the next 10 years if we are given the authority to match the responsibility. The forester's role will become much more important to the American citizen than it was ever considered to be in the past."

GLENN A. LILLMARS is a Sales Representative with the Philadelphia Quartz Company in Fridley, Minnesota. He states — "Joined the Philadelphia Quartz Company - a chemical manufacturer, serving, among other industries, the paper and mining industries of Minnesota, Wisconsin and Michigan. The 1970 Peavey was great, and I'm looking forward to the '71 issue. Congratulations on achieving College status - a tribute to Dr. Kaufert and his persistence. Thanks for stopping by Green Hall and visiting with us, Glenn.

GARY NORDSTROM is a Forester with the Soil Conservation Service in Seattle, Washington. He writes — "Have moved farther west since last year, am now covering western Washington for SCS. I have run into quite a few Minnesota Alumni, Myron Hall '64, Mike Kupka '66, and Dick Pierson, to mention a few. If any of you are in the greater Seattle area, please stop in and say hello. A special greeting to all in Green Hall and my '64 classmates. I hope to return for a visit this coming year."

DAVE SCHREINER is with the United States Forest Service in Walker, Minnesota. He says — "Highlights of our year included a trip to Southern California where the air pollution is incredible. Also hunted mule deer in Wyoming and sighted many herds of elk. Sold the Wenatchee last fall (Sando, Wick, Hanson, etc.) and plan to re-joining the forestry profession."

MICHAEL LANQUIST is Assistant Area Forester for the Department of Natural Resources in Sparta, Wisconsin. He states — "Still living in Sparta with the same sized family of two girls, one dog, and the same old wife learning new tricks. I lost money on the Vikings this year. What's wrong over there in Minnesota? It's hard being a Viking-fan living in Packer land. Forester's future role: should be one of an increasing and more active role in 'total-land-use-planning.' Foresters must be more vocal and active in the future. They should capitalize on the social importance to our environment that our Multiple-Use concept has played in the management of our nations forests the last 10 years, and the impact it can have in the next 10 years if we are given the authority to match the responsibility. The forester's role will become much more important to the American citizen than it was ever considered to be in the past."

DAVID WHITMER sends us word from Avery, Idaho where he is with the U.S. Forest Service at the Red Lava Ranger Station. CHARLES WICK is a Graduate Student in the Ecology Department of the University of Minnesota in Minneapolis, Minnesota. He sends us this information — "Have recently jumped the ranks of the foresters a little bit. Am now a graduate student in the Ecology Department on the Minneapolis Campus. Loyalties will always remain with Kaufert, Winsness, and the rest of the boys at Green Hall. We appreciate your support to the College and to the S.A.F., Chuck, even though you have left the 'area.'"

GARY NORDSTROM is a Forester with the Soil Conservation Service in Seattle, Washington. He writes — "Have moved farther west since last year, am now covering western Washington for SCS. I have run into quite a few Minnesota Alumni, Myron Hall '64, Mike Kupka '66, and Dick Pierson, to mention a few. If any of you are in the greater Seattle area, please stop in and say hello. A special greeting to all in Green Hall and my '64 classmates. I hope to return for a visit this coming year."

RICHARD WALKER sends us word from Corvallis, Oregon where he is Land Exchange Project Officer with the Suslaw National Forest (USFS).

GERALD J. BACH sends us word from Duluth, Minnesota where he is an Instructor with the Duluth Area Inst. Tech. It was good talking with you at the Loggers' Day at Cloquet last fall, Gerald.

GARY BERGSTROM is a Forester with the U.S. Forest Service in Alsea, Oregon. He writes — "Family doing well, Carl Ann, Thor and wife Lorene still enjoying Oregon. Stop by when in the vicinity. Sorry I missed you Ernst. Saw many Minnesota grads at the Wenatchee Bust last fall (Sando, Wick, Hanson, etc. etc.)."

DENNIS H. BERRY reports to us from Minneapolis, Minnesota where he is in Sales of major appliances to builders for the Mechanical Products Company. I enjoyed visiting with you at the M.F.A.A. Banquet last fall and good luck with your work in the Southland.

BRUCE CASEY is a Naval Aviator based in San Francisco, California. He reports — "My squadron was involved with pickup of the Apollo 14 astronauts during January and February, and just recently returned from that balmy South Pacific cruise. I am to be released from the Navy in June and Phyllis and I expect our first baby next September. Don't know where we'll be this time next year but have lots of irons in the fire. Looking forward to re-joining the forestry profession."

— 81 —
CRAIG SMITH is an Environmental Planner with the Manitoba, Minneapolis, Minnesota April, 1969 to the small, remote town of Cantua level of 4 (one boy, Eric - one girl, Kara). All doing fine. Still enjoy this position, particularly in the winter when I'm working capacity of General Manager. I sincerely appreciate the letter the time this is printed - but its pretty real now. Family is now at formation - "The Smith's added another member to the family when we adopted a baby boy -lPotrick - last summer. The poor ROBERT J. GUSTAFSON is Recreation-lands Assistant at the Zigzag Ranger Station in Zigzag, Oregon. He reports - "This will be my second year working for Zigzag in Recreation. I really enjoy this position, particularly in the winter when I'm working as a Snow Ranger. I'll probably be moving on to new horizons sometime this year. Not that I'm anxious to leave, I just have a feeling. I'd like to say Hi to all my friends in person but this will have to serve. How's everything going Ken?" Things are going very well, Bob - hope to see you when you visit the Twin Cities.

ROBERT J. GUSTAFSON is Recreation-lands Assistant at the Zigzag Ranger Station in Zigzag, Oregon. He reports - "This will be my second year working for Zigzag in Recreation. I really enjoy this position, particularly in the winter when I'm working as a Snow Ranger. I'll probably be moving on to new horizons sometime this year. Not that I'm anxious to leave, I just have a feeling. I'd like to say Hi to all my friends in person but this will have to serve. How's everything going Ken?" Things are going very well, Bob - hope to see you when you visit the Twin Cities.

EUGENE F. KARL reports to us from St. Paul, Minnesota where he is a Forestry Consultant. We enjoy your recent stops in Green Hall, Gene.

RAYMOND LAITALA is a Forester at the White Swan Ranger Station in White Swan, Washington. We writes - "Same as last year, except that I'm married now."

RICHARD J. PETERSON reports to us from Duquette, Minnesota where he is District Forester for the Minnesota Division of Lands and Forestry.

RUSSELL ROBERTS is a Senior Forester for Owen Illinois Inc. in Ironwood, Michigan. He writes - "Still in Ironwood. We are just digging out from the 'blizzard of '70.' It will be history by the time this is printed - but its pretty real now. Family is now at a level of 4 (one boy, Eric - one girl, Karal). All doing fine. Still fighting the never ending struggle to feed a hungry paper mill but love every minute of it. Congratulations on a fine 1970 Peavley - best wishes for the 1971 issue."

CRAIG SMITH is an Environmental Planner with the Manitoba Planning Branch in Winnipeg, Manitoba. He sends us this information - "The Smith's added another member to the family when we adopted a baby boy - Patrick last summer. The poor kid even looks like us. I started a new job as Environmental Planner with the Manitoba Planning Branch last year. The work involves extension services and land use plans for Manitoba's rural municipalities (counties). Working with the public has been quite a change from wilderness planning. We hope our friends will take the opportunity to look us up when they are in Winnipeg."

ROBERT STRICKER is a Lieutenant for the U.S. Navy at the Monterey Peninsula. He states - "We're on the west coast of California this year; Monterey Peninsula specifically. Still in the Navy and about to begin study at the Naval Postgraduate School. In May we're looking forward to our first offaing. Our dog population has now increased to two. Our new home of one month has ample room for friends to visit in comfort so stop by if you're out this way."

1966

DAVID JAMES BARBER is Timber Management Assistant for the U.S. Forest Service in Brownstown, Indiana. He says - "Enjoying work with U.S. Forest Service in Indiana. Family still the same size with wife Jane, son Jeffrey and daughter Kristen. Stopped at Green Hall January 16 only to find the place locked up. Didn't expect that on a Saturday, but maybe locked doors are a sign of the times. Give my regards to Ken Winsness and I hope I'll get through on a weekday sometime so I can stop and say hello and see how things are getting along." We were here on that weekend, Dave - you should have rattled the door a little harder. Look forward to seeing you.

DALE BERGDAHL is a Graduate Student in Forest Pathology with the Plant Pathology Department at the University of Minnesota in St. Paul, Minnesota. He reports - "I am presently working on a Masters program in Forest Pathology with Dr. D. W. French. We have a new addition to our family. Our daughter, Tawnya, was born in September of this year."

CHAD CONVERSE is Forester for the U.S. Forest Service in Wrangell, Alaska. He says - "I was promoted and transferred to Wrangell in April, 1970. Gene Miller, class of 1969 was a Forester on the district until he was drafted in May. We got John Sturgeon, class of 1970 as a replacement. We also had Guy Wold working as a Forestry Aide until he returned to the University in September. Our cut on the district this year will only be about 60 million board feet. We hope to get up to 90 million next year. There are 4 Foresters plus District Ranger for the district of approximately 1,500,000 acres. We also have one clerk and one maintenance man for a total of 7 full time people."

SHERIDAN DRONEN is Manager of Big Flats Plant Materials Center in Big Flats, New York. He states - "Moved to Big Flats, New York as Manager of a 200 acre Plant Materials Center, SCS. Our main function is evaluation and production of conservation plants for the N.E. states. We had an addition to the family in July; Jeffrey Paul. To the Class of 1971 Consider a career with the Soil Conservation Service. There are a lot of opportunities in the Woodland and Plant Materials programs (Don't worry, Ken - they probably won't listen anyway)." We will continue to extoll the virtues of the S.C.S. program, Sheridan.

PAUL FUCHS sends us word from Minneapolis, Minnesota where he is Administrative Assistant in Charge of Research for the Minneapolis Housing and Redevelopment Authority. - Thanks for all your work on M.F.A.A.

THOMAS HOLLEN sends us word from Montevideo, Minnesota.

AL JOHNSON is Area Forester on the Necedah National Wildlife Refuge in Necedah, Wisconsin. He states - "My family is starting to grow. We are expecting our 2nd in May. I am hoping to get back to Green Hall for a visit soon."

DAVID L. MILLER is a Resource Assistant for the U.S. Forest Service in Hayward, Wisconsin. He says - "Hi Ken and Staff! Still at Hayward and still like the Forest Service and my work very much. Have bought my own home last year - its located outside of town and we like it very much. Also a new addition to the family - a girl Sarah born in May. We really enjoyed visiting with Jan Miller and his family this summer. Also got together with Duane Hanson and Al Johnson. Hope you have another successful year. Hope to stop by and say hello one of these days." I'm real sorry I missed you on your recent visit, Duane - will try to stop by and see you and your family when in the Hayward area.

C. BARRY MORSE is a District Forester with the Minnesota Department of Natural Resources in Cold Spring, Minnesota. He sends us this information - "District Forester for Stearns County, Cold Spring District, P.F.M. District with quite a large emphasis on education. Have been assisting in setting up environmental science courses in elementary and high school curriculums. Also, working with prospective teachers graduating from St. Cloud State and St. Benedicts College in setting conservation education curriculums for them. Tremendous recreation potential and need, but difficult to establish on private lands. New legislation required in near future." We enjoyed your visit to Green Hall, Barry.

A. JAMES PHILLIPS reports to us from Lyndhurst, Virginia.

PAUL B. STEGMEIR sends us word from St. Paul, Minnesota where he is Instructor and Program Coordinator with the Office of
Special Programs at the University of Minnesota. We enjoy your visits to Green Hall, Paul.

1967

NORMAN K. BICKFORD is Assistant Area Forester with the Wisconsin Department of Natural Resources in Rhinelander, Wisconsin. He states — "Discharged from Army in March 1970. Expecting first child in July. Say hello to Ken." Hi, Norman "Ernie Nelson" Bickford.

LESLIE DARLING reports to us from Washington, D.C. where he is Intelligence Analyst.

JON FOGELBERG is District Forester in Benson, Minnesota. He sends us this information — "Still District Forester out here among the corn stalks."

RICHARD FOWLER reports to us from Bayport, Minnesota where he is with the Andersen Corporation.

JEFFRY C. HAAS is an Engineering Technician with City Engineer's Department in Rochester, Minnesota. He reports — "Family now three with addition of Eric John." We enjoyed your visit to Green Hall, Jeff.

DR. MUHAMMAD A. K. KHALL sends us word from Thunder Bay, Ontario, Canada where he is Assistant Professor with the School of Forestry at Lakehead University.

TERRENCE LEICHER is with the Department of Watershed Management at the Shawnee National Forest in Harrisburg, Illinois. He writes — "Hi Ken. Christmas this year again found me at home on leave but so were you while I visited Green Hall. There were no reports of wrong doings about you so you sound as though all is well at Green Hall! This March an early separation from active duty will find me on the Shawnee National Forest in Illinois working on an acid mine drainage problem. What a pleasure it'll be, although the service has been good to me. Spent leave last summer in Nova Scotia, New Brunswick and Maine — several weekends during the winter have been spent in New Hampshire: Vermont — last spring the Mardi Gras was home for a month so travel has been good. Still single — not much else is new. Greetings to all."

PAUL LUNDBERG is Forester for the U.S. Forest Service in Van Buren, Missouri. He writes — "I'm keeping busy on Land Inventory and during fire season I'm kept hopping as helitack crew boss on the east half of the Mark Twain. Last summer I and 52 other flatlanders from the Mark Twain were detailed out to the Wenatchee fire. That was an education in fire behavior! I ran into a number of other Green Hall ex-cons out there: Dave Miller, Dewey Hanson, Bill Baun, Dave Barber and Rod Sandos. It was quite a get-together. Our family still numbers three. Paula is teaching 5th grade this year, and Lena is growing like a weed and picking up a southern drawl from her baby sitter (which is pretty good for a one year old). News bulletin!! Congratulations to Jim Lennartson, last of the 4 roommates from Apt. No. 1 to get hitched. It was nice visiting you over the holidays, hope to see you next Christmas. We enjoyed visiting with you at Green Hall, Paul.

MICHAEL MARKELL reports to us from Minneapolis, Minnesota where he is Appraiser with the Bureau of Sport Fisheries and Wildlife.

JAN R. MILLER is a Forester for the Bureau of Land Management in Roseburg, Oregon. He says — "Our family is now complete (we hope). Leah Catherine joined us 8-21-70, and has been a happy addition to our family. We were in Minnesota twice last year. Both times we managed to get together with Duane Hanson and Dave Miller. Also had a chance to discuss politics with Ken; I enjoyed every minute of it." Say hi to Mary and we sure enjoyed visiting with you during the Holidays.

RICHARD MOORE is Land Appraiser with the U.S. Department of Fisheries and Wildlife in Madison, South Dakota. He reports — "We moved to Madison, South Dakota in June where I man a Satellite Acquisition Office. Enjoyed a great duck and pheasant season this year. Family remains at 2 girls, 0 boys, 1 wife. Hi to all in Green Hall and all you alumni."

MARTIN NELSON is an Assistant Area Forester at the Lake Superior Style Forest with the Department of Natural Resources, Newberry, Michigan. He reports — "I am working for the Michigan Department of Natural Resources as Assistant Area Forester. I work on the Lake Superior State Forest which is about 10 miles north of Newberry. I received an M.S. degree in Forestry from Michigan State University in June 1970. Still single."

GERALD THIEDE is with the Department of Natural Resources in Olympia, Washington. He reports — "Hi Ken, I'm still a bachelor working for the Department of Natural Resources here in Washington. The job is great but the rainy winters here sure aren't. I like the snow in Minnesota better. Say hello to everyone in Green Hall and good luck with another Peavey. We miss you around Green Hall, Gerald.

ED VACH is an Assistant Area Forester with the Wisconsin Department of Natural Resources in Friendship, Wisconsin. He writes — "Two children-boy and girl and one in the hopper. Fourth year with Wisconsin Department of Natural Resources, working mainly as a private CMF Forester. Have enjoyed the Gopher Peavey ever since graduated. Keep up the good work. Hello to Ken Winness." Hi, Ed. We look forward to seeing you when you visit the Twin Cities.

DON WESTERMAN reports to us that he is with the U.S. Air Force at San Francisco, California.

1968

ERNEST ANDERSON is with the United States Marine Corps in Okinawa. He says — "Flying helicopters for the U.S. Marine Corps on Okinawa. Only eight months and I can get off this very small island."

BILL BARNACLE is District Forester for the Minnesota Conservation Department in Rochester, Minnesota. He reports — "For the last year and a half I have been a District Forester for the Minnesota Division of Lands and Forestry in Rochester, Minnesota. Most of the work in this part of the state consists of giving management advice to private land owners. Very little public land management."

DALE BENOIT is Ground-line Foreman for Osmose Wood Preserving Company in Buffalo, New York. He writes — "Came home from Viet Nam last summer and was lucky to get a position as a Foreman for Osmose Wood Preserving Company, a great firm to work for. I do a lot of traveling - right now in Mississippi, but will be back in Minnesota when the weather warms up."

BRIAN DAILEY is a District Forester with the Minnesota Division of Lands and Forestry in Greenbush, Minnesota. He says — "This is a new district I have, only two years old. I am having the opportunity to set up and start many programs. Wonderful area and people, too bad I'm so far from Green Hall. By the way, this area probably had the best hunting in the state."

GERALD T. DOWELL is LT/JG with the P.S. Coast Guard in Cleveland, Ohio. He writes — "Becky and I visited school in early October and were pleased to see a few old friends. Sorry we missed Bill Morrissey. I did a little duck and grouse hunting with John Varro while we were up home. I am looking forward to the SAF National Convention here in Cleveland this fall. If any of my classmates are planning on attending I can find room for a couple at my place rent free. Our first son was born in August and was named Cory Forrest which simply means 'Ravine dweller-from the woods.' Congratulations are in order for those who did so well at the Conclave last fall. Good luck to the entire Peavey staff." — Thanks for stopping by Green Hall and visiting with us.

THOMAS V. DVORAK is Supervisory Appraiser for the Bureau of Sports, Fisheries and Wildlife in Huron, South Dakota. He states — "Still working in the Wetlands Preservation Program. Acquisition
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of lands is continuing at a steady pace. Many prime waterfowl production acres have been preserved with many more to go. Our family is growing up. Mike is now four and Kimberley two. Two recent additions have been made - Mitzi (Labrador pup) and Joey (rabbit).” — Thanks for all your work on M.F.A.A.

CLIFFORD ENG is with the U.S. Navy aboard the USS Forrest Royal. He reports — “Greetings from the USS Forrest Royal - DD-872. Have enjoyed my service experiences so far but eagerly look forward to R.A.D. in July 1972.”

DAVID HAKALA is Forester (Track Manager) with Owens-Illinois (Northern Woodlands) in Tomahawk, Wisconsin. He writes — “Upon graduating in the Spring of 1968, I accepted a position with the Wisconsin Conservation Department (presently Wisconsin Department of Natural Resources), Bureau of Forest Protection (presently Bureau of Fire Control) at Rhinelander, Wisconsin as a Radio Dispatcher for ten months and was then transferred to Tomahawk, Wisconsin as a Forest Ranger where I remained until March 1970, at which time I was hired as an industrial forester with Owens-Illinois, Inc. in Tomahawk, where I am presently employed. In June, 1968, I got married and my wife and I are presently living in Tomahawk. No children to report as yet but you never can tell. Good luck to the Peavey this year and congratulations to the College of Forestry on having a former graduate, Norman Borluff, win the Nobel Peace Prize.”

ROBERT J. HESS is a Peace Corps Volunteer in Angol, Chile. He sends us this information — “My wife Joy and I are still located in the Chilean Parque Nacional de Nahuelbuta as Peace Corps Volunteers where we are working in wildlife research and drafting a wildlife management plan for the park. This is the most intensive and complete research project of its kind ever done in a Chilean national park and is also a pilot project on the part of the ‘National Park Service’ to determine effective methods for wildlife research considering their financial state of affairs. We expect to finish work on this project in September and spend at least two months traveling home through South and Central America, arriving in the States for Christmas. We also both hope to pursue graduate programs at the University of Minnesota, Joy in forest ecology and myself in wildlife science, beginning winter quarter of 1972. Incidentally, we both enjoyed immensely our visit to Green Hall in August of 1971 and are eagerly anticipating our return to the forestry and university community.” — Thanks for stopping by Green Hall and visiting with us.

WAYNE R. JEX sends us word from Quang Tri, Vietnam where he is with the U.S. Army (617th M.I. Detachment, APO SF 96477). I appreciate your letters from Vietnam, Wayne.

CALVIN L. KERR is 1st Lieutenant with the U.S. Marine Corps in San Diego, California. He says — “Currently trying to keep up with my D.I.R. reports at this “booz camp.” Deep sea fishing, sun, warm water ... sure beats that snow, ice and wind! If anyone stops by here, look me up (’till March ’72).”

We enjoyed your recent visit at Green Hall, Cal.

DAVID MARBEN reports to us from Estacada, Oregon where he is with the U.S. Forest Service.

JOHN MATHWEG is a District Forester with the Department of Natural Resources in Litchfield, Minnesota. He reports — “Still at Litchfield. Trying to make something out of these farm woodlots. They’ve been depleted pretty bad and are going to need quite a few years of attention to get them into a vigorous condition. I’ve been seeing a lot of guys from the class of ’68 lately. Over 20 of us are working for the State. Spent a couple of weeks in Saskatchewan with my old crew partner, Kent Hall last fall. Managed to run into Frank Koening, Gary Ewert, and Dave Londo­strom during the last month.”

DONALD MONSON sends us word from West Bend, Wisconsin where he is Assistant Area Forester with the Department of Natural Resources.

JOHN NICOLSON reports to us from St. Paul, Minnesota where he is Research Assistant with the College of Forestry, University of Minnesota, St. Paul, Minnesota.

ROGER SKISTAD reports to us from Corpus Christi, Texas where he is LTJG (Aviator) with the U.S. Navy. — Thanks for stopping by Green Hall and visiting with us.

RONALD PHERNETTON is a Forester with the Piedmont National Wildlife Refuge in Round Oak, Georgia. He sends us this information — “Transferred from St. Marks National Wildlife Refuge, St. Marks, Florida, to Piedmont National Wildlife Refuge, Round Oak, Georgia last May. — The Use of Fire — Fire is one of our most useful wildlife management tools on the Piedmont National Wildlife Refuge. We are primarily interested in deer and turkey habitat. We use fire to keep hardwood browse within reach of deer and to encourage the growth of grasses and legumes on the forest floor. Our forest management plan also depends upon the use of fire. Our 33,000 acres of forest land is managed in small even aged blocks. We must use fire to maintain these even aged blocks which produce 8 million board feet of pine and hardwood timber per year. From the pollution standpoint a problem does exist. Besides filling the atmosphere with smoke, our fires consume large quantities of oxygen. Our regional forester believes, however, that part of the oxygen consumed is replaced by the increased amount of vegetation that the fire encourages on the forest floor. From the public relations standpoint, we have had very few complaints about our fires. We have burned on a four year cycle for several years now. The great majority of the several thousand hunters who remove up to a thousand deer per year like our burning program, so do our neighbors who have to put up with our smoke. I believe that we should be looking for other management tools to replace fire but that we should very carefully weigh the benefits and detriments of fire before we ban its use in any area.”

PAUL STONE reports to us from Stoughton, Wisconsin where he is a Park Manager at Lake Kegonsa State Park.

ROBERT ULLRICH is a Graduate Student at Harvard University. He says — “Hello, to everyone at Green Hall. We are especially looking forward to this issue of the Peavey and news on the College of Forestry. Sanja, Bob, and Jonathan doing fine. Work on the degree is progressing but the end is not in sight yet.”

NICHOLAS VAGLE is Forester for the U.S. Forest Service in Quinault, Washington. He reports — “I’ve finally traded in my combat boots and typewriter for cak-boot and cruisertick.”

ROBERT WENTZ reports to us from South Viet Nam where he is a Captain with the U.S. Army.

1969

THOMAS F. BARUTH is with the United States Army in Monterey, California. We have this information about him — “Tom is stationed with the U.S. Army at the Presidio of Monterey, California; going to the Army Language School, studying the Polish language until June, 1971.” We enjoyed visiting with you over the Holidays.

MICHAEL W. CAREY sends us word from St. Paul, Minnesota where he is a Recreation Resource Specialist for the U.S. Army Corps of Engineers. I enjoyed visiting with you at the recent S.A.F. dinner, Mike.

STEVEN CORNELLIER is with the United States Air Force in Goldsboro, North Carolina. He states — “After entering the Air Force last September, Kathy and I are now living in the Tar Heel State of North Carolina, where I am presently attached to the 4th Tactical Hospital at Seymour Johnson Air Force Base. We are finding the Air Force to be very challenging and event­ful. Kathy is presently teaching Home Economics at Eastern Wayne High School here, while I am kept busy in Hospital Administration at the base. We are exposed to the Southern Yellow Pines throughout the entire state, so we do feel at home in terms of forestry, but we do miss Minnesota and all its snow. Hope all is going well back at Green Hall, and we do wish much success to all our Forestry Friends!”
It's not too late to catch a breath of fresh air.

The Minnesota Pollution Control Agency has set new air quality standards for companies that burn coal, oil, and natural gas in large furnaces. The deadline for meeting the standards is July 7, 1972.

**Most of our power plants already meet the standards.** Among these are the Black Dog plant on the Minnesota river near Minneapolis, the Island plant in St. Paul, the King plant on the St. Croix, the plant in Southeast Minneapolis, the Granite City plant at St. Cloud, the West Faribault plant, and all the diesel engine units in Albany, Dodge Center, Excelsior, Faribault, Glenwood, Mazeppa, New Richland, Pipestone, St. James, Tracy, Winona and Zumbrota.

**We are taking corrective measures at the others, at an additional cost of several million dollars.** Riverside plant in Minneapolis will get a new tall exhaust stack and new electrostatic precipitators. High Bridge plant in St. Paul is the subject of engineering studies, and may get new precipitators and a new stack. Minnesota Valley plant will have a new set of collector tubes. Chemolite plant near St. Paul will be modified to remove visible emissions. Our plants at Winona, Red Wing, Wilmuth in Mankato, and the Whitney plant at St. Cloud are being evaluated for one of three actions: early retirement, installation of dust collectors, or conversion to some other fuel.

When this list of projects is complete, and it will be before the MPCA deadline, our electric power generation system will meet the new standards.

For further information, send for a copy of our report to the MPCA. Write to: Department of Environmental Affairs, Northern States Power Company, 414 Nicollet Mall, Minneapolis 55401.
JAMES GRACE reports to us from San Francisco, California where he is in the Service.

GARY HEINRICH reports to us from Richfield, Minnesota.

TERRY HELBIG is District Forester in Lake City, Minnesota. He says — “Still working for the State. Transferred to District Forest position in Lake City on 3/23/70. Enjoy Banana Belt Forestry very much and find many challenges not covered at the U. For example, how to handle cows grazing on a state recreation area was never covered in For. 143. Married 8/9/70. Present family consists of wife, Terry, dog Tammy, and cat, Theodore. Hi to all of Class of ’69 including Kicker and Zeggar wherever they may be.” We enjoy your visits to Green Hall, Terry (say “hi” to the Mrs.).

LARRY HOGREFE sends us word from Big Falls, Minnesota where he is an Assistant District Woods Manager for Boise Cascade Company. I enjoyed visiting with you at the S.A.F. meeting at Quadna Mountain.

MICHAEL KNUDSON sends us word from Marrakech, Morocco where he is a Forester with the Peace Corps. I enjoy your postcards and letters from Morocco-keep them coming.

RICHARD KUSICKO reports to us from Ft. Jones, California where he is a Forester for the U.S. Forest Service.

EUGENE MILLER is with the U.S. Army at Fort Carson, Colorado. He writes — “I was drafted in May 1970. Took basic at Fort Lewis, Washington, A.I.T. at Fort Eustis, Virginia and now I’m stationed at Fort Carson, Colorado. I am trained as a mechanic for the OH-6A Helicopter, but my supervisor learned that I can type, so now I’m a Clerk. I’m anxious to complete my 2 years; after service I hope to return to the U.S.F.S. in Alaska. I now have 473 days left in the army.” — Thanks for stopping by Green Hall and visiting us.

CHARLES NELSON is Research Assistant in Aerial Photos at the University of Minnesota, College of Forestry, St. Paul, Minnesota. He sends us this information — “Still at the U. working on a Master of Science in Forestry. Plan on completion in June 1971.”

CHRIS PETERSON is a Forest Manager with the Blainard Paper Company in Grand Rapids, Minnesota. He sends us this information — “Married last June and have already got her teaching school. Both Biz and I are enjoying our work and our new home in Grand Rapids. Anyone coming our way to ski please stop in.” I enjoyed your visit to Green Hall, Chris.

BRUCE A. ROTTINK is a Graduate Student at Michigan State University in East Lansing, Michigan. He reports — “I am still in Graduate School here at Michigan State University. Attended the Forest Biology Workshop last August here at MSU, which was organized by Dr. Suckoff. Many interesting papers were presented, especially in the area of Tree Physiology. I am glad to see that the School of Forestry is planning an expansion. Where would a person send his application if he were interested in joining the new and larger staff?” Keep those letters coming and it was nice visiting with you.

GEORGE SHEPARD is a Highway Technician in St. Paul, Minnesota. He says — “Married in 1968. Inherited four boys ages 6-11-13-14.”

CHARLES SMITH is at West Point in Newburgh, New York. He reports — “Living in Newburgh, New York while stationed at West Point. One year of travel out of the way, two left before I get back to the College of Forestry.”

PHIL SPELT reports to us from St. Paul, Minnesota where he is a Graduate Student at the University of Minnesota College of Forestry.

JOHN R. SWANSON reports to us from Chile where he is with the Peace Corps. Your postcards and letters from Chile are extremely interesting and very welcome — thanks very much, John.

CHARLES TAUSER sends us word from Viet Nam where he is with the U.S. Army. — Thanks for stopping by Green Hall and visiting with us.

STEVEN WEEKES is a Sales Representative for Canton Lumber Sales in Minneapolis, Minnesota. He sends us this information — “Hello to Green Hall and Forest Products friends. Am in 2nd year as salesman for Canton Lumber in Minneapolis. Still do my own cooking. Congratulations to Dr. Kauter on his 25th.”

RICHARD WITT reports to us from Minnesota City, Minnesota.

ERWIN BERGLUND is Assistant Professor with the Department of Land Resources at the University of Alaska in College, Alaska. He sends us this information — “Hello to Green Hall and Forest Products friends. Am in 2nd year as salesman for Canton Lumber in Minneapolis. Still do my own cooking. Congratulations to Dr. Kauter on his 25th.”

1970

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RICHARD WITT reports to us from Minnesota City, Minnesota.

MICHAEL BRANDT is in the Army at Fort Gordon, Georgia. He writes — “Proudly serving with Uncle Sam in the U.S. Army. I am an M.P. at Fort Gordon, Georgia. Will be heading to Airborne school in a couple of weeks.” — Thanks for stopping by Green Hall and visiting with us.

ALFRED BURT reports to us from St. Maries, Idaho where he is a Watershed Technician on the St. Joe National Forest.

PHIL DUFORE is a Patrolman for the University of Minnesota Police Department in St. Paul, Minnesota. He says — “Working for University Police - ?! - but am not hardened enough yet to tag a Forester’s car. Married now, living in beautiful downtown Lauderdale. Can’t wait to get out of the cities.” We enjoy your visits to Green Hall - even though you did “arrest” me for speeding in the hallway.

JIM EYCHANER reports to us from Sale, Morocco, Africa where he is with the Peace Corps. Keep those letters coming, Jim - we enjoy them.

RICHARD FRICK is in Northlake, Illinois. He writes — “Enlisted in Army two days before I received my draft notice, still awaiting orders.”

BRUCE H. GERBIG is with the United States Army at Fort Polk, Louisiana. He says — “Ken and Gang - Same change from marcher to ground-pounder bound from Nam, but in a couple of years I’ll be back in the woods. Right now the woods I roam are deep in the heart of Fort Polk, Louisiana. If I’m lucky, I’ll see Howard Q. Zeggar and the stories will really fly. From the ’70 Alumni Sales Manager, here is ‘Bonne Chance’ for a successful ’71. Maybe you can break our 1100 (?) edition, but we had a special reason. See you all at Xmas.” We enjoyed talking with you at Green Hall, Bruce. Good luck in the service.

DON HANSON reports to us from St. Paul, Minnesota where he is a Graduate Student at the University of Minnesota College of Forestry.

EUGENE MILLER is a Forest Research Technician (Fire) for the North Central Experiment Station in St. Paul, Minnesota. He states — “Working on my M.S. at U. of M.”

ROBERT MORROW reports to us from St. Paul, Minnesota where he is a Graduate Student at the University of Minnesota College of Forestry.

JOHN P. POTYONDY is a Forester with the Peace Corps in Rabat-Agdal, Morocco. He says — “I am currently with the Peace Corps in Morocco working for the Moroccan Forestry Service, ‘Eaux et Forêts.’ I have the impressive title of ‘ingénieur forestier’ and
am working in the area of watershed research on an erosion study and control project. If you think you have bad erosion in the States, you haven't seen anything until you've viewed the Rif Mountains. Here you have people farming on slopes that we would hesitate to let livestock graze. What's more, all the rain comes in a 3 to 4 month period after the land is plowed and bare of vegetation. Erosion control is an enormous problem complicated by unstable soil, difficulty of establishing species in the dry climate, but mainly by too many people and the resultant unwise use of the land. The problem is staggering and the search for a tenable solution exciting to say the least.” Thank you for your letters, John - keep them coming.

TIMOTHY RESCH is a Forester for the Peace Corps in Eaux et Forêts Ouezzane, Maroc (Morocco). He states — “Am working for the Peace Corps and the Moroccan Forestry Agency in a research arboretum, mainly, inventory, surveying, monitoring projects, and reforestation. Single of course.”

JAMES RUSSELL is a Forester at the Petersburg District in Petersburg, Alaska. He reports — “Finally landed a Forestry job and working with timber layout and cost appraisal at Petersburg, Alaska USFS.” Congratulations on your wedding to Sandra Richert - it couldn't have happened to two nicer people. By the way, we enjoyed your visit very much.

GERALD RUSTAD is a TSI, Forester in Walden, Colorado. He reports — “Acquired a job with the U.S. Forest Service in July, 1970. Am working on the North Park Ranger District, Routt National Forest, as TSI Forester. The town of Welden is at 8,000 feet elevation and most of our work is done at aitudes between 9,000 and 11,000 feet. Subalpine Fir are the major species. Really enjoy the work.”

BARRY STANEK is with the U.S. Coast Guard in Sault Sainte Marie, Michigan. He writes — “I am a Boatswain on the St. Mary's River Patrol in Sault Ste. Marie, Michigan for the U.S. Coast Guard.”

PAUL WEIS JR. is a Graduate Student at Colorado State University in Fort Collins, Colorado. He sends us this information — “I’m enjoying a productive year of study here at CSU in the field of Outdoor Recreation and Resources Administration. The skiing is superlative as is the scenery! For next summer I hope to get a job with the National Park Service and see what kind of outfit they are.”

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CHARLES HATCH reports to us from St. Paul, Minnesota where he is an Instructor at the University of Minnesota College of Forestry.
organization, constantly improving facilities, gradually growing faculty, and with new stature within the Institute of Agriculture and the University, the College of Forestry should continue to be an interesting, stimulating and challenging place to work.

The return of Ken Winsness to his previous leadership role in guiding and helping lead the Minnesota Forestry Alumni Association has assured its continuance as an active and effective organization. The MFAA has been most effective in helping accomplish several long range objectives, such as achievement of College status. It can be equally effective in helping guide our education and research programs, accomplish more adequate staffing in some areas, assist in obtaining the urgently needed addition to Green Hall, and determine how it will organize and function. The matter of whether the MFAA should become a constituent group within the Minnesota Alumni Association or remain outside, whether the MFAA should have a separate publication, our future relationship with the Gopher Peavey-Alumni News and many other problems confront us. Judging by what has been accomplished by the MFAA in its 15-year life, the problems mentioned above will be solved.

With congratulations to the Gopher Peavey-Alumni News staff for continuing annually this fine tradition, with thanks for providing me this space for an annual message and with greetings and best wishes to all of you. We look forward to your continued interest in and support for the Gopher Peavey-Alumni News. Stop for a visit whenever you are in this vicinity.

Frank Kaufert, Dean

Continued from Page 54

During the past century, members of the forestry profession have been leaders in the protection of the environment. Most of the national and state forests were set aside through the efforts of pioneers in our profession.

The present intensive development of these same forests started with the Civilian Conservation Corps. The labor of these young men was just what was needed to help develop the forests and improve the environment at that time.

The past thirty years have been very rewarding to foresters in that through their efforts, many industrial forests were developed. These forest industries are now practicing sound forest management policies and are leaders in our profession.

It is always good to look back and appraise one's accomplishments. At the same time, you should compare these with what you might have achieved had you made the extra effort. As a forester, you should now be looking into the future and visualizing how you can influence the world around you. You, as decision makers, will be constantly called on to preserve or improve your environment. All of your decisions, large or small, should contribute toward making this a better world in which to live.

In the coming years, you will have many opportunities to further this important work by voicing an opinion, influencing legislation, writing an article, giving testimony, and even talking to friends. Be prepared to step forward when the opportunity arises and offer sound, constructive suggestions.

R. D. Hultengren - '39

One of the basic philosophies of the forestry profession is concern for the environment. The forester in his training studies the basic principles of the conservation of the many resources constituting our environment.

Foresters have a broad background in the management of environmental components. If there is one element of the environment where foresters lack understanding and training, that component is man. We need to improve our sociological-psychological-communicative skills. Perhaps we can then more effectively treat the whole environment.

Foresters should welcome the public interest and concern for the environment. We were "crying in the wilderness" about the need for conservation for 70 years without arousing much public interest. Now that the public is interested, let's get our message across. The purist and the preservationist also have a message. They are sincere. Life should be treated as such. If we differ with them, let's educate them. This requires dialogue, it requires confrontation, and it requires understanding. The Environmental Issue is an opportunity for every forester to use his training and skills in defending the environment.

Bill Miles - '49

The rapid change in public attitude toward natural resource management and its affect on the human environment is striking. We have seen a change from almost complete apathy to sincere expressions of concern including statements and predictions of ultimate total environmental catastrophe, unless present trends are altered.

It has become somewhat of a problem for the average citizen to separate statements of knowledgeable persons from irresponsible statements.

The need is for careful study of alternatives followed by determined action programs. Although the unknowledgeable alarmist type is helping to call attention to environmental problems, he is not usually contributing to solutions. The real problems can't be talked to death without carefully guided strong action programs.

C. B. Buckman - '40

We in the upper Midwest are truly fortunate in the quality of our environment. We do not have to travel very far to fish on a lake with clean water and breathe clean, invigorating air under a blue, unpolluted sky. Our environment is relatively unpolluted in comparison to the air and water of other parts of the world. I would hope that the anti-polluting forces will find it possible to keep it that way. A great deal of publicity is given to the subject of pollution of our environment. Most of this information is negative in nature, showing the various factors which are polluting our lakes and streams and the air we breathe. Perhaps we in the upper Midwest should take a positive approach to the problem, placing emphasis on the quality of our air and water and the need to keep it that way. Of course we all recognize that, except in the very remotest of areas, there is some polluting occurring daily. Naturally we need to stop the detrimental actions that are presently occurring while proclaiming the need to maintain the quality of our environment. This would not be difficult if each of us would do our utmost to police our actions while enjoying nature and at the same time reminding others to be more careful to retain the scenic beauty of our state and improve the quality of the lakes and streams which provide so much pleasure to us who live in this part of the country.

Robert S. Jorgenson - '48

ALL WATCHED OVER BY MACHINES OF LOVING GRACE

I like to think (and the sooner the better!) of a cybernetic meadow where mammals and computers, live together in mutually programming harmony like pure water touching clean sky.

I like to think (right now, please!) of a cybernetic forest filled with pines and electronics where deer stroll peacefully past computers as if they were flowers with spinning blossoms.

I like to think (it has to be!) of a cybernetic ecology where we are free of our labors and joined back to nature returned to our mammal brothers and sisters.

All watched over by machines of loving grace.

by Richard Brautigan

John Hall - '61

From THE PILL VS THE SPRINGHILL MINE DISASTER

- 89 -
Getting out a publication has its problems. If we print jokes, some readers call it kid stuff. If we don't, others say we tend to be too serious and technical. If we don't print every word of every contribution, we don't appreciate them. If we run them verbatim, the book is filled with junk. If we change the other fellow's copy, we're too critical. If we don't, we're reproved for slipshod editing. If we clip items from other publications, we're too lazy to write them ourselves. Like as not, you'll even say we borrowed this one. You're absolutely right. We did!

NOTE OF THANKS

The Peavey staff and the students of the College of Forestry sincerely thank the Northwest Paper Company for providing the paper for this book. We also wish to thank the Theo. Hamm Brewing Company for furnishing a beautiful color cover; the alumni for contributing comments and subscribing to this issue; and the advertisers who also make this publication possible.

My deepest appreciation goes to the entire Peavey staff for making the 1971 Gopher Peavey-Alumni News a reality.

Mark Boche, Editor
We Welcome the Environmental Decade

. . . Again*

For years, foresters were among the few who used and understood such terms as "ecology", "habitat", "balance of nature" and "environment". Suddenly -- in 1970 -- these terms are "in"

Today's conservation problem, simply stated, is to maintain the protective concept of environmental forestry in forest management programs while at the same time meeting massive demands for new housing and other ever-increasing wood-using wants of a burgeoning population. Foresters must continue to lead the way with dynamic and ingenious ideas for solving this problem.

"Back to nature" is not the solution. It is not good enough. We must improve upon nature if we are to satisfy human wants. The policy of "multiple-use" espoused by professional foresters in the 60's will become a necessity in the 70's. We welcome the environmental decade. At no time has the need for applied ecology been greater nor the returns, both economic and social, more satisfying.

Foresters are no longer standing alone. The decade of the 70's will see the policy of "multiple-use" become economically necessary, socially desirable, and ecologically acceptable.

*Because of unabated interest in environmental protection and improvement, we think our last year's Ad bears repeating—

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