

# **The IDAHO FORESTER**



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**Volume 46**

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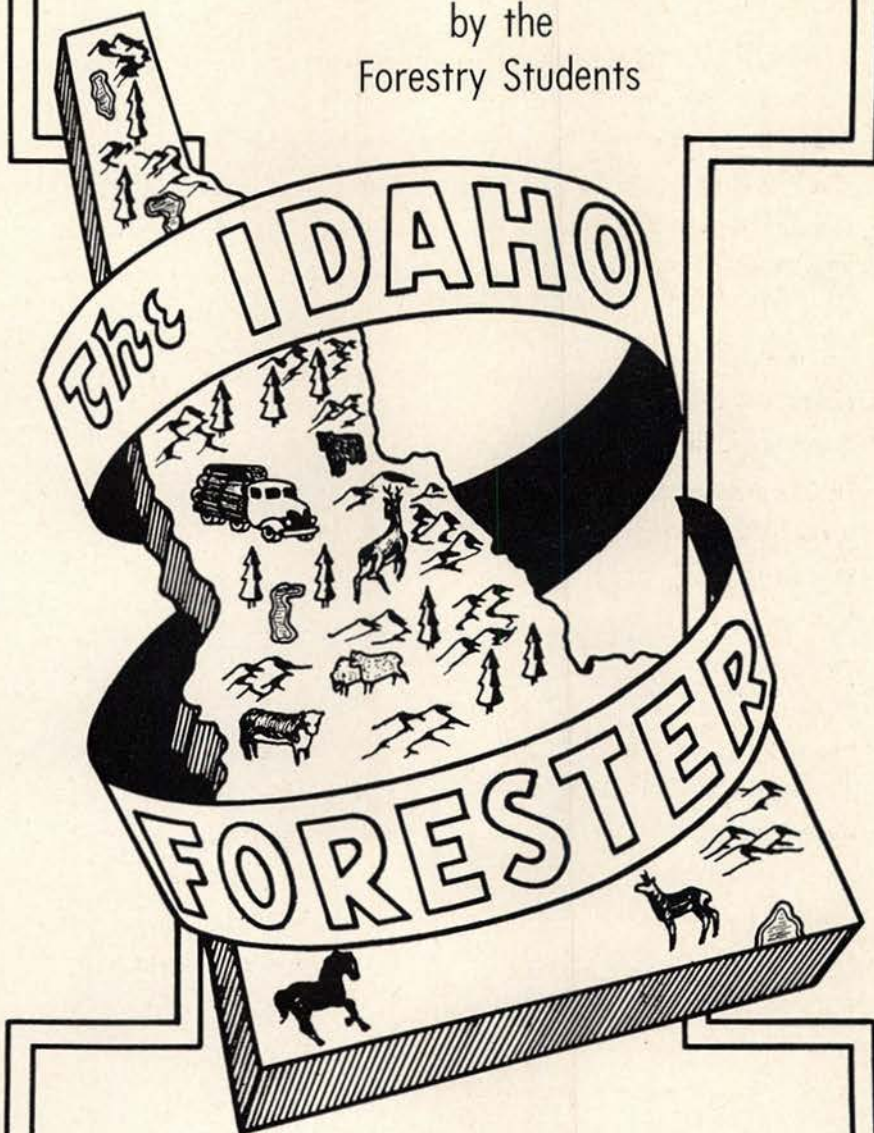
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# Table of Contents

Dedication .....	3
Idaho Forester Staff .....	4
Articles	
Across the Dean's Desk by Dean Wohletz .....	6
Idaho Cooperative Fishery Unit .....	7
The Clearwater Log Drive by Chas. J. McCollister .....	8
Cougar Gets Makeup Job From Forester by Jerry Smith .....	12
Graduation—Then What? by Bill Foster, Rex Williamson .....	13
The Prospective Land-Resource Manager and His Professional Education by Howard Alden .....	16
The Hottest Thing In Laminated Beams by James O. Eubanks ....	17
Activities	
Summer Camp—1963 by Ray Frost .....	21
In Memoriam to Richard M. Bloom .....	22
Associated Foresters by Dick Olson .....	23
Steak Fry—1963 by Howard Wallace .....	27
The Foresters' Ball—1964 by Howard Wallace .....	28
Forestry Week by Mike Shields .....	31
A. W. F. C. Conclave by Dick Olson .....	32
Xi Sigma Pi by Elmer Canfield .....	34
Foresterettes by Jerri Matzke .....	35
Student Officers .....	24
Classes	
Seniors .....	38
Honors and Awards .....	44
Juniors .....	45
Sophomores .....	45
Freshmen .....	46
Dean's List .....	47
Graduate Students .....	49
Faculty .....	50



**THE COLLEGE OF FORESTRY, WILDLIFE AND  
RANGE SCIENCES SIGNIFIES ITS APPRECI-  
ATION AND ESTEEM BY DEDICATING THE 1964  
IDAHO FORESTER TO  
PRESIDENT D. R. THEOPHILUS**



As a tree sinks its roots deep in the soil of Idaho and grows to great height to provide for the welfare of man, so has Dr. D. R. Theophilus, President of the University of Idaho. He came to the University in 1927 as an associate professor and moved up the ranks through Dean of the College of Agriculture to the President of the institution in 1954. Wisdom, objectivity, progressiveness, kindness, a sense of humor — these are among his attributes. He has been honored on various occasions, receiving honorary doctorate degrees from the College of Idaho and the University of Idaho, an Outstanding Graduate Certificate at the Iowa State University Centennial in 1958, and the Outstanding State Employee's Award of the Idaho Employees Association this year.

Over the years the College of Forestry, Wildlife and Range Sciences has gained substantially in both size and quality as a result of his devotion to duty, and his willingness to face issues both realistically and vigorously. Because of his fairness in dealing with people and their problems he has instilled loyalty and enthusiasm among both students and faculty.

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Top Row, left to right—Keith Johnson, Leon Hopson, Mike Shields, Jim Carmichael. Bottom row, left to right—Bill Foster, Dick Olson, Howard Wallace, Floyd Hutchins.

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# *Across the Dean's Desk*

The Growth of Forest Research in the United States  
and the University of Idaho

By Ernest Wohletz



This year marks a milestone in the history of forestry research both at the national level and at the University of Idaho. With the passage of the McIntire - Stennis Cooperative Forestry Research Act, educational institutions for the first time were granted funds on a matching basis solely and specifically for forestry research. With the start of this new era, I thought it wise to review forest research developments in the United States with parallel developments at the University of Idaho.

Forest research activities in the United States started about the turn of the 20th century. Actually, the very first activity was in 1876, when the Department of Agriculture began gathering information concerning the forest situation. Following this there was moderate activity until the start of the First World War when all activities were virtually suspended. Several important events, however, occurred in 1910 when the Forest Products Research Laboratory was established at Madison, Wisconsin and when several forest experimental areas were established including two in Idaho. These establishments laid

the groundwork for later developments in forestry research. It is interesting to note that the Department of Forestry, University of Idaho, as well as a majority of other top forestry schools were established about that time.

At the National level, the greatest development enabling the expansion of forestry research occurred in 1928 with the passage of the McSweeney-McNary Act. This Act established the nationwide Forest Service Experiment Stations. This Forest Service research organization represents one of the largest of its type in the world and is constantly expanding. A good example of recent expansion is the establishment in 1963 of the Forestry Science Laboratory on the University of Idaho campus.

Most forestry schools established during the period of 1900-1910 conducted little forest research in their early years. The demands for forestry research and education have not in the past held a uniformly recognized position within educational institutions. In some institutions, forestry was organized as a separate entity. In these early years, research



was conducted primarily by those with the foresight to appreciate new and increased forest resource demands of the future. At Idaho we can be truly proud of the early contributions by men like Henry Schmitz and E. E. Hubert, forest pathologists. Scientists such as these assisted in laying the groundwork for the development of the more basic and highly organized forestry research activities we witness today.

Individual efforts predominated at the University of Idaho until 1937, when the State Legislature passed the act creating the Forest, Wildlife and Range Experiment Station. In spite of this action, little was done for a number of years due to lack of appropriations and the disruptions caused by the Second World War. Because forestry at the University of Idaho was a separate entity, it did not, except for a few regional projects, receive federal research funds such as those available to agriculture under the Hatch Act. Thus, organized forestry research at Idaho had to wait for state appropriations. This became a reality about 1950 as a result of the following: (1) increased appropriations to forestry research by the State Legislature; (2) the passage of the Idaho Experiment Station Act—in the early years following this passage, forestry received as much as 70% of the total appropriation; (3) the increased awareness by University administration of the

importance of forestry research was manifested by supporting expansion in staff and facilities; (4) better cooperation among several colleges within the University, particularly the College of Agriculture, added much to the efforts; (5) marked increase in the monies received from federal, state and private organizations.

With the passage of the McIntire-Stennis Act in 1963, and the appropriation bill which followed, forest research both nationwide and at the University of Idaho will attain the stature necessary to meet demands for increased knowledge of our resources. This is a prime necessity in Idaho with her vast forest and rangeland resources.

In addition to the impact that the McIntire-Stennis Act will have, it is hoped that forestry research will continue to receive the support of the State Legislature, the University Administration, the wood-using industries and national science foundations. With such support, the needed increase in regional research projects, contracted research and cooperative aid projects is inevitable. With such support, the College of Forestry, through its Forest, Wildlife, and Range Experiment Station, will be able to meet demands for increased knowledge necessary in the management of Idaho's natural resources.

## Idaho Cooperative Fishery Unit

The Idaho Cooperative Fishery Unit was established this year in the College of Forestry, Wildlife and Range Sciences to expand graduate training and research in fisheries management. The Idaho Fish and Game Department, University of Idaho, and Bureau of Sport Fisheries and Wildlife are cooperating to finance the unit. Operations will be similar to the Idaho Cooperative Wildlife Research Unit which was established in the college in 1949.

The present fisheries laboratory will be completely remodeled and expanded during the coming summer. The unit will have an annual budget of over \$50,000 to employ two scientists, to provide four graduate fellowships and to cover general operating expenses.

Dr. Don Chapman has been selected as unit leader with Mr. Robert Thompson as his assistant. Both men were employed with the Oregon Fish Commission before coming to Idaho.



# The Clearwater Log Drive

By Chas. J. McCollister

Editor's Note: The Idaho Forester is grateful to Charles "Red" McCollister for writing this article for us. "Red" has been the log drive foreman since 1956; he is a camp foreman for P.F.I. when not on the river. We are also indebted to Dr. Hugh Burgess (optometrist in Moscow) for providing us with the photographs to illustrate this article. The photos were taken in the early 1950's and therefore do not show the men wearing life jackets which are now required equipment. The cover photo also does not show outboard motors which have been added to the wanigan.

To complete the article, it must be mentioned that the construction of the Dworshak Dam on the North Fork of the Clearwater will bring an end to the log drive as described below. Besides terminating the last major saw-log river drive in the nation, it will force Potlatch Forests, Inc., to replace this comparatively inexpensive log transportation system. The drive provides approximately  $\frac{1}{3}$  of the annual log requirements for their sawmill at Lewiston.



Author and Drive Foreman.

During the past thirty-five years, many innovations have occurred in log transportation. Improved log handling and moving equipment plus expanded road systems have been instrumental in changing logging methods. With due recognition and respect for all of these changes, it is difficult for them to compete with water transportation on a cost and efficiency basis—at least where a gravity system with sufficient flow prevails. Water has two built-in advantages: its unusual wearing qualities (no depreciation) and its ability to remove the resistance from any log which will float.

In the late twenties, when the major log drives started on the North Fork drainage of the Clearwater River, there were no roads or other means of transportation that would permit movement of logs or lumber from this area other than water. It is still not considered feasible to truck logs from many parts of this drainage. Logs for early drives were skidded with horses to a chute or flume, travelled down the flume to the river and were floated down the river throughout the logging season. By 1955 a system of decking along the river bank was initiated to maintain better care and control of the logs.

Prior to 1951, the bateaus (work boats) were manned by a worker in each end with a paddle and four oarsmen. The development of outboard motors has not only put the four oarsmen on peavies, but has given the other portion of the crew which used to walk along shore much needed transportation. In the days of the bateaus, walking was much more fashionable than it is now.

Cedar pole rafts (one carried the cookhouse and the other the bunkhouse) were also controlled by long, manpowered sweeps. The pilot and crew moving these rafts, or wanigans, down-river had many adventures. About the only thing they really had in their favor was that the river was going the same general direction. Stopping, not moving, was usually the problem.



In recent years, logs have been decked at landings along the river from Camp Y at Elk Creek up to Isabella Creek, approximately 90 miles from Lewiston. The bulk of the 1964 drive logs (56 million feet) are decked at the mouth of the Little North Fork from P. F. I. Camp X and a Butte Creek from P. F. I. Camp 71. Decks at Big Island and Camp T have been developed primarily from clearing in the Dworshak Dam reservoir area.

Usually, the up-river decks are released and broken into the river during the last of April and the first of May. This is done with the same machine that did the decking — a shovel with a log grapple or clam. This production can vary from two-hundred thousands feet per day to one million feet per hour, depending on how the logs are decked and the stage or height of the water. There is always concern about getting the up-river decks in on the right stage of water so they move out in good time and continue down river without too many hanging up along shore. As we progress, we depend on mill consumption to provide space in the Lewiston pond to hold the remainder of the drive.

About the same time as the logs are dumped into the river, the wanigan is reconstructed. After each drive, it is dismantled and trucked back to Camp T



Upper left—A thing of the past, the log flume. Upper right—Keeping logs moving down river is a job for brains as well as brawn. Lower left—Strong backs and peavies are all that is needed for these big ones. Lower right—Inside the wanigan, not much room but lots of hot food.

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for storage. Eleven Army surplus bridge pontoons, each with ten separate air compartments, are inflated and joined to support the frame. Double hinges between the three sections give flexibility in rough water. Preparations usually take a small crew about three or four weeks to make ready, check out and load all the special equipment, tools and supplies that go aboard. The wanigan will hold enough groceries, gas, Pres-to-logs, etc., for a two-week period.

The center section of the wanigan is the cookhouse and dining room. This is a compact unit that feeds thirty men at a time; anything out of place is obvious. There just is no room for clutter. A double bunk at one end is home for the cook and flunky. Each end section is a bunkhouse and provides living quarters for 16 men. The number of bunks, thirty-four in all, determines the number of men who can work on the drive, at least until it gets to Elk Creek where the river is accessible by road. I might add that the reason for the wanigan's continued existence is about forty miles of river with no access.

Two forty horse power outboard motors mounted on full-swing mounts guide the wanigan down the river, progressing with the crew on the upper river so that the men do not have far to travel when they are wet. A good beach fire is mandatory for drying out as soon as they get off shift. On the lower river the weather and water are warmer and this is not so necessary.

When moving the wanigan, the pilot operates the bow motor and the co-pilot the stern motor. Each has a man with him to help watch for logs and run snub lines. We don't take landings for granted, but they are more predictable than when the men had only sweeps for power, and steering.

One of our most prized pieces of special equipment is a small portable generator that provides electricity for lights, air pump, water pump, 2-way radio, drills, sanders, razors and hair clippers. As we pro-

gress, our day-to-day production, our work tempo, and even our personal morale goes up and down with the river. Ordinarily, the water dictates the action.

Three work boats are used with two boatmen and six to eight peavy men in each. A lead man is in charge of each crew. The two boatmen do not leave while the men are working. When the boat is not being used in the work, it stands ready, usually on the down-stream side, to help at a moment's notice.

Generally speaking, the center crew works the "centers" (logs jammed in the middle of the river with a channel of water on each side) and the two rear crews work, one on each side, clearing the "wings" (jams joining the shore) and scattered logs along the bank. The work pattern develops into a shifting zone, with no one too far ahead and no one being left behind, and all logs moving out in advance.

We consider the wanigan in position when the crew can just see it ahead of them at the finish of a four-hour shift. This is called "leaning towards the mill." It not only has a good psychological effect, but the crew dislikes dead-heading back up-river after working their way down.

The best driving conditions come when the river raises just a little every day — possibly only an inch or two — but never drops. Most of the work on the upper river, where there is no access for machinery, is done by hand with peaveys, pike poles and boats. With all our efforts to transfer more of the hard work to machines, the peavey is still the most used tool on the drive.

In 1963, P. F. I. purchased a custom-built jet boat with a 225 H. P. marine motor. This has a tow-bit for pulling logs and will break a  $\frac{3}{4}$ " manila rope on a dead pull. This boat has provided many assists to the peavy men.

On the lower river, we use machinery wherever possible. Double drum "cats" with long lines pull logs into the channel and release them by a

(Continued on page 18.)



# 'Cougar Gets Makeup Job From Forester'

By Jerry Smith

As darkness began to fall in south central Idaho, into the Forest Service bunkhouse in the small community of Idaho City limped a frightful looking forestry technician followed by a 3-man crew. Across his shoulder the technician bore four jagged claw marks and his shirt and marking vest were ripped, torn and all askew. The crews in the bunkhouse were overcome by astonishment and began asking questions which brought out the following story.

My job as a forestry technician required that I and a 3-man crew trek through the trees on a predetermined timber sale area marking those of high risk that needed to be cut to prevent their loss. The trees were marked with a squirt of blue paint from a paint gun, accurate up to 15 feet or so.

Late in the afternoon I left the crew marking timber in the bottom of a valley which composed the center of the timber sale area, and proceeded to the ridge-top which was to be the timber sale boundary. Upon reaching the top, I began marking the boundary around the sale. I trooped downward along the ridge, marking as I went, until suddenly I jumped a doe which bounded off a few yards, stopped, and turned to observe the intruder into her seclusion. She observed only a typically "woods-dressed" individual, with marking vest, hardhat and a paint gun dangling from two fingers on the right hand. She turned again and ambled off as if completely unconcerned.

A little farther down the way I heard a rustle in the bushes and assumed I was about to jump another deer, possibly a fawn belonging to the first doe. As I crept closer for a better look into the bushes where the noise had occurred, I could see what appeared to be a deer carcass lying within the concealment of the brush. Creeping closer still, I passed beneath a scrubby, deformed Douglas-fir tree and was startled not by

a little ol' deer but by a tawny-yellow blurr which lunged toward me from an overhanging limb. Instinctively I stood my ground as fast as my legs would carry me, which proved not to be quick enough. The cougar pounced, his one set of claws cutting painfully into my left shoulder and arm, and his remainder draped crudely over my back. My marking vest pulled at my throat and began to rip as a result of his weight and his sharp claws. My tawny friend was caught in a state of surprise as his impact, combined with my somewhat futile efforts to vacate the area, threw me off balance. In trying to regain my balance we did several, something-less-than-graceful, waltzes down and around the hillside. However, during this brief escapade I lost my footing and quite by premeditation I deposited myself upon the ground with the cougar serving as a cushion. He readily conveyed his resentment towards this treatment by his tone and his frantic struggle to regain his freedom. From this point I rolled over several times rapidly and came to my feet alone and armed with the paint gun which clung faithfully to the two lifeless-looking fingers.

The cougar had backtracked a few feet and turned so that we stood eyeing each other at about 12 feet. He appeared to be about 20 inches in height and 25 inches in length, with a tail hanging down low to the ground then sweeping upward near the end as if he used it to erase his every track. His color was that of tarnished yellow with black intermixed throughout, and although his size and actions were those of a young inexperienced animal they were quite sufficient for the present situation.

I took advantage of this brief pause and offered the cougar several squirts from my paint gun. As the paint struck him in the face and

(Continued on page 18.)



# Graduation — Then What?

By Bill Foster and Rex Williamson

What happens to the Idaho graduate after graduating with that cherished Bachelor of Science degree in Forestry? What kind of job does he get, and how high does he climb on the ladder of success? From the autobiographies of the graduates from the College of Forestry in 1929 an idea of the future of foresters from Idaho may be more nearly foreseen. Seven foresters of this class of 1929 (11 graduates) have submitted their autobiographies to the Idaho Forester, and to these individuals this article is greatly indebted.

One of the graduates of 1929, **Fred H. Kennedy** of Albuquerque, New Mexico, has worked continuously for the Forest Service since graduation from Idaho. His career has been interesting, rewarding, and self-satisfying, and has included jobs in all of the Western states and also in Washington, D. C. During the first six years following graduation his jobs consisted of timber cruising, range surveys and studies, insect control, and range research. Since then he has held the positions of District Ranger, Assistant Forest Supervisor, staff member in the chief's office in the Division of Range Management in Washington, D. C., Assistant Regional Forester of Range and Wildlife Management in the Pacific Northwest Region, a similar job in the Rocky Mountain Region, and since then his last eight years have been spent as Regional Forester of the Southwestern Region. Fred has two sons; one a District Ranger in the Forest Service and the other is a Lieutenant in the Navy.

Another graduate of that class, **Otto C. F. Krueger**, of Salem, Oregon, began his career in forestry with the Forest Service. Silvicultural jobs occupied his first year's work which preceded a job as extension forester at Idaho. Seeking a job more to his liking, Otto went to work for California Division of Forestry at San Bernardino where 90% of his work was

concerned with fire prevention and suppression. Otto transferred to the Sacramento Office where he served a short term as a technical assistant. A friend induced him to take the Junior Forester's exam in 1935 and after passing it he was employed as a combination fire chief, grazer, and extension agent on the Klamath Indian Reservation. In 1938 Otto became a part of the O&C Administration of the General Land Office in Oregon, and in 1946 he became a district manager of three O&C districts which became land administered under the newly formed Bureau of Land Management. Since 1946 he has served as a district manager for the Bureau of Land Management. Otto has a family of three daughters and two sons, both of which are forest engineers with the B.L.M. Says Otto, "Would I do it all over again if I had the chance? No, not exactly. I would be inclined to stay with one organization, but if I planned a change I would look into all of the aspects of the new job more thoroughly before making a change."

In July, 1929, following graduation, **Carey H. Bennett**, Albuquerque, New Mexico, was appointed Junior Forester in the U.S. Bureau of Biological Survey (presently the U.S. Fish and Wildlife Service). Carey has worked in Land Valuation and in Appraisal and Negotiations for purchase of lands and timber both for the U.S. Bureau of Biological Survey and the U.S. Forest Service. In the U.S. Bureau of Sport Fisheries and Wildlife, Carey has served as Regional Supervisor of Realty, Wildlife Refuges, and as Regional Supervisor of Federal Aid in Fish and Wildlife Restoration. Carey has held his present position of Regional Chief, Division of Technical Services in charge of Branches of Realty, Engineering, Federal Aid, and River Basin Studies since 1957. Carey was married in 1933 and has two daughters.



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Upon graduating from Idaho, **Bill Guernsey**, Boise, Idaho, accepted a position as Junior Forester with the Blister Rust Control program in Spokane, Washington, until 1933. Following this, Bill worked with the Forest Service as Assistant Forest Supervisor on the Coeur d'Alene and Nezperce National Forests. In 1940 he became Assistant Supervisor on the Beaverhead in Montana. Training in these assignments covered fire control, grazing, timber sales, and general project supervision. In 1941 Bill interrupted his work with the Forest Service to serve with the Navy in the Pacific. Before returning to the Forest Service, Bill attained the rank of Commander, U.S.N.R. Upon returning to the Forest Service Bill held such positions as: Assistant to the Assistant Regional Forester for Timber Management, National Forest Supervisor, and Assistant Regional Forester in charge of fire control. Bill moved to the Bureau of Land Management as Regional Administrator of Oregon, Washington and Idaho for a year before he was transferred to Washington, D. C., as Assistant Director, and later as Associate Director of the BLM with a special assignment to reorganize the Bureau. Having completed this assignment he retired from government service in 1956 at age 55 and became a forest consultant with private forest industry. Bill has raised two daughters both of whom have graduated from the University of Idaho.

**A. G. Sharp**, Neenah, Wisconsin, has been associated with the private forest industry since graduating in 1929. His career began with the Weyerhaeuser Timber Company as a specialist in lumber drying in June 1929. He joined Kimberly-Clark Corporation in 1930 as a technologist and trainee. He also served in the capacity as liaison man between Woods Department and mill, sulfite foreman, assistant superintendent, and process control engineer for eight years. In 1938 he became Manager of Materials Handling at the company mill in Niagara, New York. From 1940 to 1959 he held such positions

as member of Corporation Research and Development Division, member of War Products Development Division, Manager of Corporate Product Development and Planning, Administrative Assistant to the Vice President of Sales, General Sales Manager, and Vice President of Sales. In 1959 he became the Senior Vice President of the Industrial Products Group in charge of Manufacturing and Sales.

Another of the forestry graduates in 1929 was **Floyd Otter**, of Fresno, California. Following graduation Floyd worked as a District Ranger with the U.S. Forest Service on the Lolo National Forest for sixteen months until he returned to the University to teach in the College of Forestry for four years. Floyd then spent a year at the University of Michigan where he received his M.F. Degree. Floyd's following fifteen years were spent as Forester and District Conservationist for the USDA Soil Conservation Service, and as Land Manager for the Fort Ord Military Reservation. Since 1953, Floyd has been manager of the Mountain Home State Forest of California. In his spare time he has found time to write a book "The Men of Mammoth Forest," a history of the area where he is working and the people who have owned and used the land and timber there. Floyd has a family of three children.

Another graduate of the class of 1929, **George I. Garin**, of Auburn, Alabama, began his forestry career supervising Civilian Conservation Corps work and operation of the camps housing personnel. During the war George worked on timber sales before a decision to do graduate work was made. Having attained an advanced degree, George returned to the Indian Forest Service to administer one of the largest forest properties under its jurisdiction. George combined his Forest Supervisor's duties with the management of a sawmill on an Indian reservation which became a successful and profitable operation. In 1948 he accepted an offer to become part of the forestry staff at the Department of For-



estry at Auburn University, and since then no major changes have taken place.

The preceding revised autobiographies show what a variety of tasks and duties a forester encounters in his job during a lifetime. The work of a forester requires resourcefulness, ingenuity, and the ability to handle men with the greatest varieties of tasks to be performed. Shel-

tered existence in a narrow geographical area is not going to contribute to broad viewpoints and the ability to deal with new and strange situations. A forester's career consists mainly of living and dealing with people. The satisfying part is the progress and accomplishments in forestry and professions which come about as a result of a person's devotion to his chosen calling during his lifetime.

## *The Prospective Resource Manager and His Professional Education*

By Howard Alden

As a prospective land-resource manager you should be viewing the College of Forestry, Wildlife and Range Sciences and its faculty in terms of the elements of a professional education. When I refer to elements of a professional education I mean more than the scientific, technical and sociological aspects of land management. These aspects cannot and are not overlooked at the University of Idaho, but in our fast moving world of science and technology we must be aware of two essential elements considered a part of our professional education. These elements are the assimilation of the facts of our education into rational thought processes and the expression of our thoughts and ideas through various communication media. In brief, these are the ability to think/reason and the ability to communicate.

Without these elements, the professional manager will have difficulty implementing a land management program, regardless of its validity. As land managers it is our obligation to communicate with the thinking laymen and politicians to provide them valid information for making intelligent land-resource policy decisions and to engender deserved support for land management programs.

From the preceding comments, it is evident that there is a strong feeling towards a professional education in land-resource management

that reaches beyond the scientific, technical and sociological aspects. Our College offers you the opportunity to discuss, critique and express your own ideas concerning management policies and techniques with professional individuals. The College provides you the opportunity to broaden your educational experience through educational and social activities and participation in professional societies and honorary fraternities.

As prospective land-resource managers, you are encouraged to participate in the Associated Foresters and their activities, The Idaho Forester Yearbook, Xi Sigma Pi Honorary Fraternity, and the Societies of Range Management, Wildlife Management, and American Foresters. Further, the availability of social and athletic activities and professions organizations and individuals in the University "community" provide you ample opportunity to associate with all types of personalities and attitudes. To overlook any of the aforementioned areas would be to overlook your obligation to prepare yourself as a **professional** land-resource manager.

In summation, the College of Forestry, Wildlife and Range Sciences and its Faculty challenges you to take advantage of the professional land management potentials offered—and to develop your own potentials simultaneously.



# The Hottest Thing In Laminated Beams

By James O. Eubanks

Fire is one of the many tools used in research at the Forest Products Laboratory in Madison, Wisconsin. Laminated beams were burned during a series of tests in order to determine the fire-resistant properties of various glues. This project was performed as part of a summer student trainee program, and while complete data are not available, this paper illustrates some of the problems and procedures of forest products utilization research.

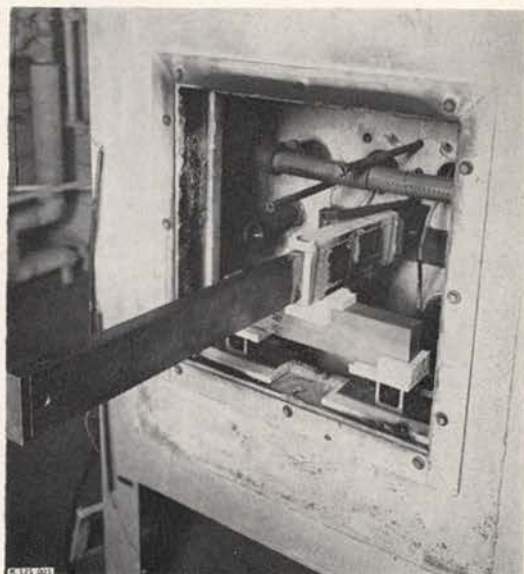
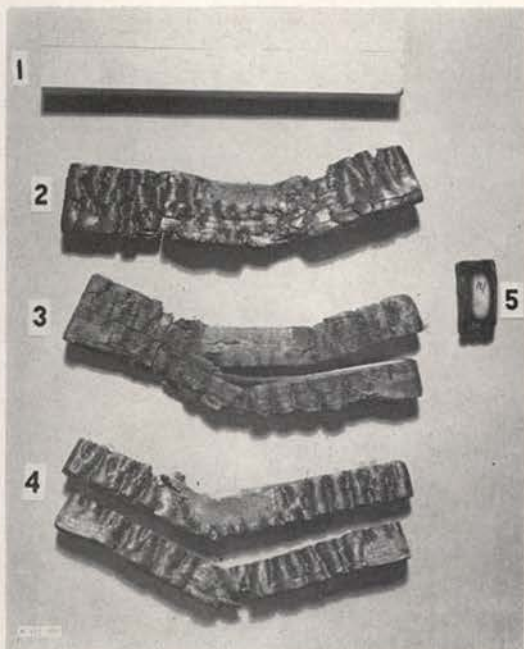
The project was designed to evaluate the performance of glue lines in wooden beams while under stress and in the presence of fire. Eight glues were tested. Small beams with a single glue line were used to insure that the glue line rather than the wood itself was being tested. Large beams insulate the glue lines which makes all glues somewhat fire resistant. The problem of constructing the beam was complicated because the beam had to be of such dimensions that the maximum shear stress occurred at approximately the same time as the maximum tensile stress.

At such a point, the beam should fracture due to tension. Theoretically, tensile and shear stress in a 2-by-4-by-15-inch beam should approach these maximum values simultaneously. Beams of this size were therefore used to give high shear stress in the glue lines before tensile strength of the beam reached its maximum value.

A load was applied to each test beam while that beam was burned in a gas furnace. A 1-by-3 inch steel bar 36 inches long was used to apply a load of 695 pounds on the top center of the specimen. Asbestos covers (1½-inch asbestos millboard) were used at each end of the beam and around the steel bar. An external deformation gauge was used to measure deflection of the steel bar; thermocouples were placed near the specimen to measure the temperatures around the beam.

As simultaneously as possible the furnace was ignited, and stop-watches, the controller, and a re-

**Left—1. Sample beam before test. 2. Best performing glues. 3. Medium performance. 4. Poor performing glues. 5. Cross-section. Right—Interior of furnace with beam and steel bar.**





cording potentiometer were started. During the test a dictaphone was used to record the deflections of the steel bar at one minute intervals and to record any other significant or unusual observations.

The tests ran from 15 to 20 minutes with furnace temperatures reaching 2700°F. When a specimen fractured, it was removed from the furnace and sprayed with water to extinguish the fire. After the beam had cooled, cross-sections were cut and observations made concerning the condition and characteristics of the glue line. Also, the amount of sound wood unburned on the cross-section was measured in order to determine the approximate tensile and shear stresses present when the beam failed.

### Log Drive . . .

system of trip chokers that come unhooked when the haul-back line is pulled. Dozers work some jams. We also built a "cat" raft on pontoons that will float a D-4 dozer out to some of the rock bars and islands in the center of the main river.

The drive crew is made up of P. F. I. woods employees; dozer men, power sawyers, truck drivers, and hoisters, etc., on a voluntary basis. No one has ever been required to go. There is about a 15 per cent turnover with 85 per cent of the experienced men returning each year. New recruits are chosen carefully from young men with as much consideration given to their safety attitude and individual judgment as to their physical ability. All men drawing

### Cougar Painter . . .

splattered into his eyes he screamed frightfully, turned and scrambled uphill. Without further stimulation I did the same in a downhill direction. Normally, I am above average in downhill-ability; however, on this occasion I ran the first quarter mile on all fours. That is on all four sides — front, back, left and right. Even the bottom and the top sides received some consideration.

The frightful noises of "mortal" combat, all of which were contrib-

Generally, the glues performed about as had been expected from what little information could be gathered prior to starting this project. Forest Products Laboratory Report No. 1336, **Synthetic-Resin Glues**, revised 1945, mentioned that phenolic, resorcinol, and melamine resins should all withstand high temperatures. Urea fortified with at least 40% melamine should withstand high temperatures, but not as well as the three previously mentioned resins; urea resin should decompose under high temperatures.

The test results which were obtained helped to confirm much of the information given in this Forest Products Laboratory Report, as well as adding some additional information concerning other glues.

drive pay are expected to wear good quality, well caulked boots, wool underwear, and life jackets. Also, they must be able to stay on their feet and work a peavey while standing waist deep in icy water.

A number of men have had a cold when they reported for work, but I don't recall anyone ever leaving with a cold or losing time on the job because of the sniffles. There just has to be some other logical reason for what your mother told you about getting your feet wet.

Regulars on the crew seem to get a deep sense of accomplishment from a tough, grueling job, and, above all, a special satisfaction from maneuvering so that the river works for them.

uted by the cougar, of course, caused an anxious and curious crew to move to a location of visibility on the opposite hillside, where they were able to view the last frantic moments of this terrifying event. When the distance between the two contestants had increased sufficiently so as to insure safety to both, laughter arose from the opposite hillside and the crew hurried to console, as well as josh, their confused and slightly befuddled companion.





# ACTIVITIES





Upper left — Guess who lives here? Upper right — Takes a lot of wood to heat those canvas shacks! Left center — What a place to hide a guy's pajamas. Center — Skagit on Zena Creek study area. Right center — Close examination of hydrosere by F. D. Johnson and son. Lower left — "Lumberjacks?" Lower right — Fishing (?) on Brownlee Reservoir.



# Summer Camp—1963

By Ray Frost

With the coming of June and summer vacation many Americans take to the woods—the University of Idaho Forestry Summer Camp students of 1963 were no exception. Seventy-four eager foresters took up summer residence in the tent-frame camp overlooking picturesque Payette Lakes near the scenic Idaho resort town of McCall (the “fun spot” of Idaho). Upon settling into his respective four-man tent, each student readied his fishing pole, water skis, camera, drinking mug, or textbooks (according to his own interests) in anticipation of his first day of camp life.

Monday morning the soon-to-be familiar clang of the assembly bell called us together for an introduction to our first four-week course—For. S-100 or Field Measurements. After a few long remarks by Prof. R. S. Seale, he graciously consented to give us a guided tour (a ten-mile forced march) of the wooded area around the camp. Pertinent geologic and geographic aspects, including turbid swamps, tangled underbrush, and the granite (or was that basalt) cliffs that would soon lay across our survey routes were pointed out during the stroll. Undaunted, each four-man crew set out with compass, chain, and mosquito repellent in hand to find the “how fars, how highs, and how muchies” of the forest. To supplement this field work Prof. Seale, assisted by Prof. Arland Hofstrand and graduate student Jess Daniels, gave morning and evening lectures on the elements of forest mensuration and related B.S. Several field trips added to the course by introducing the student to log grading, mill tally, log scaling, and the Skagit high-lead logging operation.

As the course wore out, camp life settled into a routine of lectures, field work, work details, swimming, fishing, and volley-ball playing. Free

evenings and weekends were occupied by report faking, trips to town for various (HIC!) reasons, and an occasional poker game.



“Granny” Bengé

The one activity that everyone enjoyed most of all was eating Mrs. Ella Mae (Granny) Bengé's delicious cooking. Every forester that ever sat down to one of Granny's meals will surely have mouth-watering memories of summer camp life. Our deepest sympathies to Summer Camp 1964, which won't be able to sample her works of art; alas, Granny will be hanging up the magic spoon she used to put smiles on hungry faces and pounds on many middles for the past two summers.

The end of June brought plans for the 4th of July vacation and unfortunately the Field Measurement final. As For. S-100 became history, many students dashed home to friends and family for the long weekend; others enjoyed a sudden break in the cool weather on the lake and in the surrounding area.

The following Monday found Prof. Fred Johnson looking out over a class of smiling faces and blood-shot eyes as he outlined the month's work in For. S-101, Field Ecology. First on the agenda was the collect-



ing and identifying of a multitude of plant species to give us a working knowledge of the area flora. Then, to put knowledge to work, we began a study of various plant successions. Our almost daily field trip radiated increasingly farther from camp so that we could observe all the forest types of the area. Prof. Lowenstein joined us to point out the soils related to each type.

Other professors from the University joined us from time to time to broaden our knowledge of the various phases of Forestry: Dr. Tisdale pointed out various range types and forage species; Dr. Hungerford gave us a look at wildlife management practices. Near the end of camp we jumped right into fisheries. Under the direction of Dr. MacPhee we literally swam through instruction on fresh water fishes and the aquatic organisms they feed on.

A highlight of the course was the two-day field trip to the South Fork of the Salmon River to observe multiple-use land management in practice. The Zena Creek Logging Study proved to be a very interesting stop. It was on this trip that the camp

(organized each year to fight project fires) came closest to being called to a fire; however, standby status is all we got.

Camp life during the heat of July became a little more relaxed. Many of our camp officers were persuaded to take fully-clothed plunges into the lake. Prof. Johnson was also forced to make his annual splash. A challenge from the F.S. Hot-Shots managed to bring out a good number of volleyball players (especially when word of a large beverage bet on the outcome of the game got around), but unfortunately our players (a little out of shape) went down in valiant defeat.

The Ecology final brought to a close our summer camp experience. Reluctantly (?) each student made tracks in the direction of home and/or a money-producing job for the rest of the summer, carrying with him the satisfaction of getting camp "out of the way," and the realization that he had been introduced to his fellow foresters, a few of his instructors, and the phase of forestry he will pursue during his final two years at the University.

## ***In Memoriam To Richard M. Bloom***

*A sober note in an otherwise successful year at Idaho was the untimely passing of Richard M. Bloom. Taken suddenly ill during Thanksgiving holidays, Dick passed away on December 11, after surgery failed to relieve a severe brain hemorrhage.*

*A native of Northern Idaho, Dick graduated from Kellogg High School in 1957. Following a tour of duty in the U.S. Navy, he enrolled at Idaho in 1961. As a junior in the Forest Management option, with an interest in forest recreation, his initiative and effort had marked him as a promising young forester with high capability and potential.*

*His friendly and openly companionable manner had earned him the popularity and esteem of those who knew him; his loss is deeply felt by his classmates and associates.*





## Associated Foresters

By Dick Olson

The Associated Foresters of the University of Idaho have been a tradition in the College of Forestry, Wildlife and Range Sciences for almost a half century. We hold monthly meetings, three major events (described elsewhere in this magazine) and various minor events. The above two photos show a couple of typical activities—drinking coffee and losing money.

Backed by valuable ideas from the AWFC Conclave and under the leadership of President Dick Powers, the club enjoyed one of its more successful years. For our five-dollar membership fee, we were able to provide two free meals (Steak Fry and Banquet); sponsor a campus-wide Foresters' Ball and state-wide Forestry Week; hold a series of monthly meetings; send a five-man delegation to the AWFC Conclave in Flagstaff, Ariz.; and, on top of all that, give each member a copy of this publication.

We were able to end up in the black because of an intensive membership drive (almost 70% of the forestry students signed up) during fall registration. Generally speaking, about one-quarter of the members are active, another quarter is inactive and the rest in-between. These inactive members helped provide us

with a financial "cushion."

The monthly meetings are of great value to expose and inform us, as potential land managers, to the various situations that we will face as professionals. They also provide entertainment and give members a chance to B. S. with each other. Thanks to regular executive meetings, business meetings were considerably shorter and more efficient.

Speakers included Billy Schofield, an early Idaho graduate (talking on personal experiences in forestry); Boyd Rausmussen, Regional Forester (professional requirements of a forester); John Woodworth, Director, Fish and Game Department (illustrated talk on Idaho's wildlife); and Chuck Wellner, Regional Chief of Forest Management and Disease Research (talk on research followed by tour of Forestry Sciences Laboratory). Others were: Bill Hatch, Regional Personnel Director (Forest Service employment opportunities); Jack Marklay, PFI Researcher (talking on stress grading of lumber); John Pebbles, Professor (illustrated talk on Lewis and Clark's Explorations); and Hardy Glascock, Counsel, Western Forestry and Conservation Association (political power of the forestry profession). The last meeting was devoted to reports by



AWFC Conclave delegates.

With a small amount of planning and letter writing, it was possible to obtain the impressive list of guest speakers — it wasn't quite so easy to obtain impressive audiences for these speakers. There is a definite problem of communications among club members; the cost and time required to put out a bi-semester newsletter may be well spent to improve all activities. One such letter was sent to all members in the spring and this was well received.

One of our minor events this year was a firewood sale to raise money. From this project we learned that there is a potential market for firewood sold at \$18 a cord. We also discovered that sources of buckskin larch are scarce and far from Moscow, and such a project requires a great deal of equipment (trucks and saws). We lacked the equipment, had lots of enthusiasm, and just barely paid our expense for the project.

Last year the club adopted a green cruiser jacket as an official club "symbol;" this year we decided to go even farther by adding a club

shoulder patch. After designing, getting estimates, and finally ordering a set of patches from a California company, this project became a financial fiasco. Present status is: company has cashed our check, company has unreasonably raised their quoted price and minimum order, and we've demanded our money back.

An informal record dance was held with the WSU forestry club in December to improve relations. We provided the dance floor; they provided the music. We also increased our contact with the Foresterettes this year by buying from them all of the bakery goods for our meetings. Relationships with the Faculty were also good with good representation at meetings and other activities. A word of thanks and appreciation to club advisors Lonnie Williams and Dr. A. D. Partridge.

So, the Associated Foresters conclude another year of activities and start to plan next fall's Steak Fry. We have attempted to provide a kind of experience and knowledge not available in the classroom, but valuable for a college education. Above all, we enjoy doing what we do!

## Student Officers

### ASSOCIATED FORESTERS

President	Dick Powers
Vice President	Dick Olson
Secretary	Jon Berquist
Treasurer	Lyle Wilkinson
Ranger	Fred Negus
Historian	Mike Czerwinski
Senior Representatives	Dennis Froeming
	Dave Kimpton
Junior Representatives	Al Thompson
	Ray Frost
Soph. Representatives	Keith Johnson
	Paul Mann
Frosh. Representative	Vern Riddle

### XI SIGMA PI HONORARY

Forester	Jim Crooks
Associate Forester	Elmer Canfield
Sec.-Fiscal Agent	Larry Taylor
Ranger	Wayne Burkhart
Assistant Rangers	Jim Rosenthal
	Bill Nikkola

### SUMMER CAMP

President	Carl Pence
Treasurer	Leon Hopson
Kitchen Managers	Ed Wood
	Jerry Bliven
Commissary	LeRoy Peterson
Work Detail	Dave Mathis

### FORESTERETTES

	1st Semester	2nd Semester
President	Stella Powers	Jerri Matzke
Vice President	Judy Mathis	Pam Stauber
Corresponding Secretary	Linda Libstaff	Carolyn Kasper
Recording Secretary	Pam Stauber	Dorothy Graue
Treasurer	Erla Stevenson	Sharon Wilson
Goodwill Chairman	Sheila McNamara	Judy Mathis
Historian	Joanne Mattson	Judy Mathis



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Upper left — \$60 of incentive donated by local merchants. Upper right — Freshmen get pulled through again. Center left — I'll show that damn termite! Center — Leslie shows the boys how. Right center — Hey, Nancy wait for us! Lower left — Dick Bloom (deceased) shows woodsman's talents. Lower center — Butt rot in advanced stage. Lower right — Who brought the soap?



# Steak Fry '63

By Howard Wallace

The Associated Foresters wasted no time in getting activities under way this year when they observed the occasion of their annual steak fry on September 28. Led by President Dick Powers and chief-coordinator Dick Olson, the restless herd migrated to the Meadow Creek stomping grounds where an early morning traffic problem nearly delayed the festivities.

Limbering up exercises were begun as soon as Professor Seale arrived with the gear. Professors Williams and Alden set about demonstrating their proficiency in the fine arts by slicing through the log in the double buck contest with a velocity not to be equaled by any of the young 'uns. Meanwhile, the axe throw was announced, and the devastation of a half dozen straw bales and a couple of axe handles was begun. A broken peavey eliminated the log rolling contest, so the single buck event was started as soon as a few hardy souls had recovered from the double buck. The less energetic ones then spent themselves in mutilating the block in the match split.—We still have a fifty year supply of matches for this event!

Chuck Brandt put his briar down just long enough to win the chopping contest, and by the time he put in, it was apparent that he didn't intend to be away from that pipe for very long. The pacing competition was taken in a walk by Jim Wilke.

The birling event provided a refreshing plunge for the few stout individuals who chose to compete. Most of those present were fully content to observe the proceedings from a dry spot on the bank.

Upperclassmen began edging toward the chow line as they sent the freshmen charging over the countryside in the cross-country run. Apparently Vern Riddle was the hungriest of the Frosh as he was the first to return and flounder through victory lane. Everyone then settled down to the traditional feast, and

thanks to Chef Deters the main call was those mighty-fine sizzling steaks.

After the feed, the unrelenting upperclassmen hauled the multitude of freshmen through the mire of the slough on three successive tries. There was some talk of unequal sides, but we maintained faith in Powers' computative ability.

There was a fine turn-out for the affair. (For a while there was some concern among the fellas as to whether they were going to get their third or fourth steak.) The Frosh showed some real hair and took revenge for their trip through the mud as they swept top honors for the day and denied the older boys of more than a few of the prizes. Claiming the top-forester's axe was Clarence Lage, who nabbed first place in the axe throw and birling contests. Runner-up was Larry French who showed strength in the single buck and birling events. Prizes for the various contests were donated by the following local merchants: Bjorklund Hardware, Coast-to-Coast Stores, Creightons, Davids', Firestone Store, Murphy's, Myklebust's, Orland Hardware, Penney's, Tri-State Distributors, Ward Paint and Hardware, and Western Auto.

Also competing in the sport (as well as lending fairness to the gathering) were the three coed Foresters with us this year. They didn't turn in the best times, but they showed plenty of spirit as they entered into the competition.

Although not always as fair or with as much verve, the faculty was well represented. Serving as judges, chefs, photographers, or just observing were Dr. Dalke (and camera), Dr. Deters, Dr. Hungerford (and camera), Dr. Partridge (and camera), Professor Seale, Professor Alden, and Professor Williams.

That was September 28. It was a damn nice day. Even the flies enjoyed it.



# *The Foresters' Ball, 1964*

By Howard Wallace

Except for a senior prefunction reported to have been held by Ron Carr, the Foresters' Ball this year began making history at about nine o'clock on March 14. Greeting the Foresters and their guests at the east entrance to the Student Union Building was that venerable forester of the ages, Paul Bunyan. Once inside the door the couples were guided to the stomp by the seductive signs of Harold's Club of Moscow and by the alluring airs of the Jeff Grimm Band.

The Foresters moved in (complete with casino, bar, and trees) and took command of the second floor of the SUB for the duration of the evening. At the top of the stairs, the familiar swinging saloon door admitted the couples to the Moscow version of the infamous Harold's Club. There the Foresters gambled away their stakes at the dice and blackjack tables.

Close at hand was the woodman's best friend, the bar. There, almost simultaneously with the query of "What'll ya have?", one was handed a snort of punchy punch and was directed to a tray of cookies near the end of the bar.

Bill Foster occupied the seat of honor in the privy at the entrance to the transformed ballroom. From this noble one-holer Bill checked cards, sold tickets, and handled programs for most of the evening.

Inside the ballroom all good Foresters (and even some bad ones) were quite well at home in a forest transplanted from the U. Forest by members of the Associated Foresters. (It was reported that earlier in the afternoon an obstinate custodian of the SUB objected to "wet trees" on the floor, and insisted that he would allow no part of what was obviously \$500 worth of stolen trees. After losing this first round, he later contended that the Foresters had made off with some 48" brooms—undoubtedly hidden in the greenery as it was carried out.)

A special attraction of the Ball was the excellent displays by the various forestry curriculum options. The displays depicted areas of study and interest within the different options.

All in all, the SUB was looking better than it had for any other dance of the year.

During the first intermission, Albie England and Jerry Smith stumbled onto the stage and attracted attention for the Foresters' Bark Beetle jug band, which soon appeared in spite of popular demand. The total ensemble consisted of eight jugs, one jews-harp, one flute-o-phone, and one washtub bass. Leader for the group was Dick Olson—he finished about three bars ahead of everyone else. Ed Wood supplied the jugs (which he claimed were a pleasure to contribute) and the washtub (which he said saw little other use anyway).

England and Smith then appeared for their first encore. Meanwhile, Lee Holmer slipped out to run a comb through his beetle wig.

After a break for dancing, England and Smith again made their way to the stage. However, the Foresterettes were soon able to restore order and began presenting their program for the evening. The first skit was an enactment of a hillbilly family spending their afternoon jawin' and sippin' and fishin'. They belted out a few rounds of "That Good Ole Mountain Dew," much to the encouragement of Dick Powers, who seemed to be nearly all dew'd in himself. This skit was succeeded by four western-style (with guns) dancing girls. The girls were followed by England and Smith. (That is, at least as far as the dressing room door.)

After the entertainment came the presentation of the Foresterettes' scholarship and the drawing for door prizes. The scholarship was awarded to Dick Powers, who, overcome by



emotion and in his usual modest manner, declined to give a major speech. The winning numbers in the drawing for gift certificates were No. 27, No. 47, and No. 182. Also given away were Smokey the Bear dolls. (We were unable to ascertain whether or not they were the wind-up type that stomp out cigarette butts.)

During the course of the evening, a number of Greek Russians migrated from their own dance elsewhere in the SUB to the good dance. It also might be recorded here that a member of the band commented that we had the most responsive group that they had played for in some time.

Contributing to the success of the Ball were a number of hard working Foresters. Serving as co-chairmen for the affair were Dick Powers, Lew Pence, and Dennis Froeming. Decorations were under the care of Dave Mathis, while Carl Pence headed the advertising campaign. The casino was Jerry Wall's charge; Ed Wood and Dick Olson directed activities of the jug band.

One post-function of note was a quiz given by Dr. Partridge for those in his classes who for some reason didn't make it to the Ball. (They must have been studying.) Those who had attended picked up an easy ten points.



Upper left — Pistol-packing-mama Foresterettes. Upper right — Displays, displays—everybody had a display. Center — Bill on his "one-holer." Lower left — Snake-eyes Brooks gets the last of poor Ed. Lower right — Bark Beetle Five plus a few termites.



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# Forestry Week

By Mike Shields

Once again it was time for the Foresters to dominate the campus scene for a week, April 19 to 25. Lew and Carl Pence gave us a slam-bang start by using a two-man crosscut saw to "whup Jack Cover, who was usin' one of them new-fangled power-saw contraptions," and also defeated two challenging crosscut teams.

The theme of Forestry Week (under the guidance of Carl Pence) was "Forestry Education," and to highlight the theme, displays were placed around campus. A word of thanks to Prof. Howard Alden for the time he put into the displays. Over 400 letters were sent to local foresters and alumni asking that they acquaint students and members of conservation groups in their areas with the quality of and changes in Forestry Education.

A symposium on Forestry Education was held Wednesday afternoon with Charles Connaughton, Regional Forester from San Francisco; Arnold Bolle, Dean of College of Forestry at Montana; Royce Cornelius Chief Forester for Weyerhaeuser Lumber Co.; and John Nagle, head of the forestry department at W.S.U. participating and Dean Wohletz acting as moderator. The pros and cons of four years vs. five years forestry curriculum were covered, considering such things as the condensation of "technical" courses and inclusion of more "professional" courses. It was also brought out that foresters are unable to communicate well enough after graduating.

Wednesday evening was also the annual Foresters' Banquet; it was held in the S.U.B. and, for the first time, wives and dates were invited.



Upper left—Foresters' Banquet. Upper right—Couldn't find a better place to plant 5,000 trees. Lower left—Prof. Johnson's class planting dendrology specimens. Lower right—Symposium on Forestry Education.



There was a good turnout, with many alumni from state and federal forestry agencies and private forest industries present. After a fine meal, entertainment was provided by M. C. Darwin Harms and by two-thirds of the Wind River Singers. The annual presentations to outstanding students (listed elsewhere in this publication) were made by Prof. Seale. Mr. Charles Connaughton, guest speaker, gave a talk on "The Public and the Land Manager," stressing that a land manager cannot accomplish his objectives without public support, and that, therefore, he should guide pub-

lic opinion rather than let public opinion be his guide.

Thursday, the Dendrology class, under Fred Johnson's gleeful eye, planted trees by the Faculty Club, Dairy Science Building and Home Ec. Building, to add further torment to next year's Dendro class. As a final project to end Forestry Week, 5,000 Doug-fir seedlings were planted (after some initial confusion) at McCroskey State Park near Oakesdale, Wash. We all retired tired from that undertaking, pleased with the knowledge that this was a quite successful Forestry Week.

## Arizona Or Bust

By Dick Olson

When five students are stuck in a car for 2½ days of travel or when seventy delegates are organized into a convention for three days, they talk — bragging about accomplishments, discussing problems and sizing up coeds. Such was the case at the 14th Annual Association of Western Forestry Clubs Conclave. This year's conclave was held April 30 to May 2 at Flagstaff, Arizona, with Arizona State College as host school.

The delegates representing the Associated Foresters were Bill Foster, Dave Mathis, Carl Pence, Jon Wellner and Dick Olson. They were selected by the club on the basis of what they have or will be able to contribute to the club.

The conclave brings together delegates from the nine western states to exchange ideas related to forestry club activities. This was accomplished in small discussion groups, each devoted to a different aspect of the activities. Professional and educational aspects of forestry in the different states were also compared. It was interesting to learn that at many schools, the forestry club maintains a very dominate position on campus.

"Recreation" was the theme of the conclave and was highlighted by field trips to a ski area and to Grand

Canyon Natl. Park, plus having Frank Sylvester, Regional Director, Bureau of Outdoor Recreation as banquet speaker. Also in keeping with the theme, a dance was held following the banquet with a good supply of coeds provided. (Carl's comment the next morning was, "GREAT.").

The intercollegiate competition in the forestry contests is also an integral part of the conclave. The competition was keener than usual for the chain saw (presented to top school) and for the individual prizes: Humboldt State (Cal.) and Montana State tied for first while Idaho was involved in a three-way tie for fourth.

One of the predominating aspects of the conclave is the broadening of each delegate's perspective. This was accomplished during the trip as we were able to see such varied things as vast areas of semi-arid and desert country, Glen Canyon Dam and Las Vegas. Just talking to the other delegates (and coeds) was also a broadening experience.

Montana State University was selected as host school for next year's conclave. We, the delegates, would like to thank the club for sending us down to the conclave and hope we can improve the club with ideas gained from it.



*Congratulations,  
Forestry Graduates  
Class of 1964*

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# Xi Sigma Pi

By Elmer Canfield

Xi Sigma Pi, the national forestry honor fraternity, was founded at the University of Washington on November, 24, 1908 where it remained a local honor fraternity until 1915 when it began to expand. Since that time twenty chapters, scattered throughout the United States, have been installed making it a truly national organization. Epsilon Chapter at the University of Idaho was established on March 19, 1920.

The intention of Xi Sigma Pi is to honor the student who is doing above average work in forestry and who has the personal traits which will make him a success in the profession of forestry. Its objectives are to stimulate scholarship in forestry and to bring together in good fellowship, those students who have shown exceptional ability. Members are se-

lected from among the juniors and seniors who rank scholastically in the upper 25 per cent of their class.

The fall steak fry and initiation of candidates was held November 7 at the Flat Creek cabin on the University forest. New members initiated were: Larry Drew, William Foster, Paul Gravelle, Gene Jensen, Robert Lathrop, Stephen McCool and Robert Smart.

The spring initiation was held on April 2 in the Forestry Building followed by a banquet at Carter's Restaurant in Genesee. The new members initiated were: Don Alexander, Gene Christenson, Ralph Colberg, Dave Cox, Jess Daniels, Ray Frost, R. H. Giles, James Gosz, Darwin Harms, Greg Munther, Vernon Shulze and Allen Thompson.

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# Foresterettes

By Jerri Matzke



The Foresterettes meet bi-monthly to promote friendship and social activities among the wives of students enrolled in the College of Forestry at the University of Idaho. All fund raising projects are directed toward our goal of giving a scholarship to an eligible, married junior or senior student in the College of Forestry. Selection is based on scholarship, attitude and personality, and extra-curricular activities.

The first meeting of the year was held in October. All girls were introduced and most of the evening was spent getting acquainted with new members.

In November we were guests at a party given by the Forestry Faculty Wives. The speaker talked about the history of Idaho, emphasizing Moscow and surrounding communities. Faculty and student wives became acquainted while enjoying the refreshments that followed.

A Christmas party for faculty and student couples was held in December. The evening was spent chatting, singing carols, playing games and enjoying refreshments.

Money-making projects undertaken during the year consisted of a rummage and bake sale held in February, refreshments baked for the monthly meetings of the Associated Foresters, and the raffling of three

"Smokey Bears" at the Foresters' Ball. Also in February, we enjoyed an evening of fun at a Valentine's party.

A hillbilly skit centered around the song "Old Mountain Dew" accompanied by Pa and his guitar, and a dance version of "Pistol Packing Mama" were presented during intermission of the Foresters' Ball. Our scholarship was awarded to Richard Powers.

In April the Forestry Faculty Wives were our guests at a tea. Our speaker gave a demonstration of flower arrangements. The remainder of the evening was spent making and renewing acquaintances as well as enjoying refreshments.

At other meetings during the year programs included a talk on cancer by Dr. Britzman, a demonstration on molding sugar Easter eggs and decorating them with icing, and movie pictures of Forestry Summer Camp.

A picnic in May gave us an opportunity to discuss future plans with the seniors who will soon be leaving for permanent jobs and to get better acquainted with friends who will be returning next year. Also in May a party was given for the wives whose husbands are graduating enabling members to bid them an envious farewell.



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## UNIVERSITY STUDENT BOOKSTORE





CLASSES



# Graduating Seniors

## FOREST MANAGEMENT MAJORS



**CHARLES J. BRANDT.** Chuck calls Long Beach, Calif. home and now lives off campus. His activities are SAF, Associated Foresters and Newman Club. His hobbies are photography, fishing and hunting, reading and pipe smoking. Chuck has given four years to the Air Force, three summers to the USFS and plans on a USFS job after graduation.

**ALLEN L. BROOKS.** Al hails from Ketchum, Idaho near Sun Valley. While on campus he lived in Chrisman Hall and was active in Intermural sports, especially bowling. He also enjoys hunting and shell loading. Past work has been with the USFS but Uncle Sam will get his services after school.



**GARY L. CAIN.** Gary is married and attended NIJC two years prior to the University. He lists hunting and fishing as hobbies and is presently playing father to a new family arrival. Work experience includes Diamond National, Priest River Lumber Co. and the BLM.

**ROBERT L. CAMERON.** Bob, hailing from Hayden Lake, Idaho presently lives in McConnell Hall (back to men's hall—too bad, Bob) where he is president. He's been active in campus politics, Pershing Rifles and Alpha Phi Omega. Bob's been fighting the "Vaste Horde of Ribes" since 1960 and hopes to continue with a possible teaching career. Bob is now rolling in \$\$\$ taken in as forestry summer camp commissary man.



**ELMER R. CANFIELD.** Elmer has the distinction of being the oldest senior in our class and the only retired jet jockey. He now lives in Genesee, Idaho and is a member of Xi Sigma Pi. Rifle and pistol shooting, astronomy, and horses occupy his time and he is not too concerned with future work plans.

**JIM E. CAPELLEN.** Jim's present home is in Moscow along with his September bride. He once lived at Campus Club and hails from Potlatch. He has worked for the USFS and BLM. Fall finds him neglecting his books in favor of hunting. School activities include Associated Foresters and Forester Staff. After graduation he hopes to work anywhere but in the forestry building.



**RONALD J. CARR.** Ron comes from San Diego, Calif. and lists Associated Foresters, SAF and the R.F. Club as his organizations. He has worked for the USFS in California and Idaho. Hobbies include bird hunting and beer drinking. He plans to return to California after graduation.

**ROBERT B. CHICKEN.** Bob hails from Wenatchee, Wash. and lives off campus. He is a member of Associated Foresters and SAF. His summer work has been on the Wenatchee National Forest. Hiking, camping, photography and reading are his interests. After the Armed Forces get through with him, he plans to go into private or public forestry.



**ROBERT G. CROSNO.** Bob is from Yucaipa, Calif. and is a Delta Chi. Summer work has included jobs on the San Bernardino National Forest and the Intermountain Forest and Range Experiment Station. Hobbies include fishing and entomology and future plans include the service.

**JACK E. COVER.** Jack is a Wisconsin product presently living off campus. At school he worked on the Forester Staff, active in Helldivers, Associated Foresters, and Westminster Fellowship. Summers have been with Boise Cascade and the BLM. Jack is hoping for a Peace Corps position after which he hopes to work for the government.

**MICHAEL H. CZERWINSKI.** Mike is from Milwaukee and is a member of Xi Sigma Pi. He enjoys hunting, taxidermy, and archery. Mike's goal is to work, but not in the army. He's picked up a job with the USFS.

**MERRILL S. DAVIS.** Merrill lives at Campus Club and has spent a couple of years at NIJC. He has worked for the USFS in Northern Idaho and plans to work for them after graduation.

**PHIL S. GUSTAFSON.** Phil is from Okanogan, Wash., is a member of TMA and Society of American Foresters. He enjoys the outdoors. Christmas this year Phil got an extra present, a bride. He has worked for the USFS and State Forestry, both in Washington. He hopes to work in Oregon after graduation.

**EDWARD D. HANSEN.** Ed's hometown is Milton-Freewater, Ore. while he is living at Willis Sweet on campus. He's a member of Associated Foresters, Xi Sigma Pi, and American Chemical Society. Ed has worked for the USFS, PFI (research) and a fiber company; hunting and mechanical work are his interests. Graduate school is his ambition.

**FLOYD B. HEISER.** Floyd is from Newport, Wash. and is living off campus. He's a member of TMA, Xi Sigma Pi, and Associated Foresters. Floyd has spent the majority of his summers in the tops of pine trees as a biological aid for the Intermountain Forest and Range Experiment Station; he also has worked part-time there during the school year. He lists many sports as hobbies and plans on graduate school next fall.

**JEFFERY J. HUBERT.** Jeff is from Fontana, Calif. and is a member of Xi Sigma Pi. He is interested in research in forest pathology or plant physiology and avoiding the draft. Jeff enjoys all outside activities which is why he has worked for the USFS in the summers. After his studies he hopes to work for the Forest Service in California.

**JAMES B. KASPER.** Jim lives off campus and is a member of the Associated Foresters. He lists fishing, photography, traveling and camping as hobbies. Research has been his background (for PFI, Prof. Howe and Dr. Partridge) and he plans on entering graduate school to pursue his interest. Jim is one of those wood tech majors that felt summer camp was a waste of time.

**HELMUT KIFFMANN.** Kiff is an Eastern transplant from Vineland, N. J. and seems adapted to the Western climate. Kiff now lives off campus but lived at Campus Club. He has worked for the USFS, BLM, and a private forestry consultant. Navy has plans for him following graduation.







**JACK R. KNOBLOCK.** Jack calls Mullan home but lives off campus while at school. He is a member of TMA and Mort's Club. Hobbies include having fun and drinking an occasional beer at Mort's Club. His burning ambition is to drink an occasional beer at Mort's Club. He has spent two summers as a miner at the Lucky Friday and two with the USFS.

**LOUIS J. KUENNEN.** Lew is a member of the Society of American Foresters and the Kappa Alpha Firehouse crew. He enjoys hunting, fishing and Betty. Summers have been with the USFS and he hopes to return to school for his master's. He hails from St. Lucas, Iowa.



**DAVID L. (VERN) KULM.** Vern hails from Boise and lived at FarmHouse until this last year (how was your honeymoon on a lookout, Vern?) He's been active in his fraternity and with the Lutheran Student Association. Leather tooling and plant collecting are his hobbies. He's worked for the USFS but plans to get a job in some state forestry department.

**JON D. LENON.** Jon is a Canadian product from Edmonton, Alberta and is a member of Society of American Foresters and Mort's Club. He enjoys hunting, reading, and photography. Summers have been with his home country's forest service and he hopes to see Australia after school.



**VANCE G. MATZKE.** Vance hails from South Dakota and is married. He's a member of the SAF and enjoys photography as a hobby. Summer work has been with the USFS in Idaho and a lumber company in South Dakota. His plans are uncertain (who needs any if your wife works?).

**FREDERICK L. NEGUS.** "Fred" is an Idaho man from Salmon; he's married and has a little boy. The Associated Foresters have used him as ranger for the 1963-64 season. He has worked as a timber marker, scaler, and range assistant. He hopes to work for the USFS or BLM after school.



**TERRY L. NELSON.** Terry is from Illinois and enjoys traveling across the country for short vacations. He's worked for the USFS in Montana and Pennsylvania and plans to obtain a teaching certificate next year. Terry is a member of the Associated Foresters and lives off campus with his hound.

**FRANK L. ODOM.** Frank is from Long Beach, Calif. and is a Kappa Sig. Campus activities include the Moscow-Pullman Skydivers club and U. of I. ski club. Summers have been with the USFS working from trail crew to smoke jumper. After school he plans to receive a commission in the Marines.



**RICHARD J. OLSON.** Dick hails from Milwaukee, Wisc. and lives off campus. He has been active in the Associated Foresters and Idaho Forester. After working at the Forest Science Lab for 1½ years, he's found that the major product of research is dirty dishes. He plans to do graduate work in genetics at WSU next fall.

**ANDREW W. PEKOVICH.** Andy is from Juneau, Alaska where most of his summer employment has been and where he and his new wife hope to reside after school. He enjoys all sports and has participated in Lindley intramural program. An Army ROTC hitch will occupy his hours the next two years.



**JOHN G. PENNY.** John's home is Spokane. He is a former SAE, but changed his address to Pullman following a September wedding. He has worked for the CTPA and State of Washington Forestry Department. Interests include horticulture, music, and the woods. He hopes to work for Washington after school.

**RICHARD L. POWERS.** Dick is from Salmon and recently brought home a new family addition—a son. He is a member of Xi Sigma Pi, SAF, and Associated Foresters at which he has served as chairman of Forestry Week, Forestry Conclave Representative, and this year's president. The USFS has been his past work, and also his future, but not too long—he wants to retire young and hunt and fish.

**RICHARD W. RANKINEN.** Rich hails from Conneaut, Ohio, and is a member of the SAF. He lists track, hunting, fishing, and boating as hobbies. After graduation he hopes to work for the Idaho State Department of Forestry with whom he has worked for the last few summers.

**JAMES J. ROSENTHAL.** Jim, from Rochester, N. Y., lives off campus and is a member of Xi Sigma Pi. He has worked on the Olympic and Payette National Forests. Interests include hunting, hiking, fishing, and reading. He has one desire—to see the 7000-acre school forest put to greater use. After graduation he hopes to return to school to get an education degree.

**MICHAEL D. SHIELDS.** Mike is from Walla Walla, Wash. and lives off campus. He has been active in Associated Foresters and Idaho Forester. The Olympic National Park in Washington has been his summer employment and he hopes to work with the National Park Service after graduation. He enjoys camping, hiking, old guns and writing short stories.

**JERRY L. SMITH.** "Jerry Type" is married, from Boise and is a member of Associated Foresters. He has worked on the Boise National Forest and hopes to work there after school. Interest include hunting, fishing, skiing, and photography. Let's hope that he can raise his son and two daughters to better looking than he is!!!

**TERRY G. SOLBERG.** Terry—hometown, Warrar, Minn.—is married with a couple of children. He is an Associated Forester. He has worked for the USFS in Idaho and plans to work for California's Forestry Department.

**FOREST E. STEMPEL.** "Stemp" is from Coeur d'Alene and lives at Park Village with a wife and one youngin. He is a member of Xi Sigma Pi and includes hunting and fishing as his interests. The CDA National Forest has been his past and he hopes to be his future employment.

**LAURENT TAYLOR.** Larry came north from El Paso, Texas and is living at FarmHouse. He is a member of Associated Foresters, Xi Sigma Pi and American Chemical Society. He has worked for the USFS, done some farming and held an NSF undergraduate research grant last summer. Coin collecting, Spanish conversation (El Paso is kinda close to Mexico) and chemical experimentation are his hobbies; graduate school in the U.S. or Germany is his ambition.

**CLARIDON D. WHITNEY.** "Whit" is from Payette, Idaho and is active in Theta Chi fraternity. Associated Foresters activities have been centered about the refreshments. He says, "I am a lover not a fighter" so NO Army please. He plans a future marriage to a WSU coed. The Forest Service has been his past work and he hopes to work for them after school.







**LYLE A. WILKINSON.** Lyle hails from nearby Troy, and lives in the new Borah Hall. He is active in Associated Foresters where he served as the 1963-64 treasurer as he also did for the 1962 summer camp. Interest includes hunting and fishing, camping, skiing, and golfing. Summers have been spent farming and with the USFS.

**GEORGE R. WILSON.** George is from Coeur d'Alene, went to NIJC there, worked on the CDA National Forest and will perhaps end up there after graduation. He's spent his two years in the Army, raised himself a small family and lists photography, fishing and traveling as hobbies.



**PAUL T. WOODS.** Paul hails from Michigan and hangs his hat in Gault. He's been a member of Society of Range Management and Associated Foresters plus being active in the Hall. He has worked for the USFS but doesn't have any definite plans for the future.

## WILDLIFE MANAGEMENT MAJORS



**JON R. BERGQUIST.** Jon, hailing from Amery, Wisc., will work for "Uncle" in the U.S. Marine Corps after graduation after which he hopes to do wildlife graduate work. Campus activities include Navy ROTC (Marine) and Moscow Wildlife Federation. Jon was very active in Associated Foresters serving as secretary, program chairman and delegate to the 1962 conclave of which he has very fond memories—he'll marry her soon.

**FLOYD E. HUTCHINS.** Floyd hails from Weippe and is living off campus while at school. Hobbies are fishing, hunting and photography. He has spent most of his summers working in his Dad's sawmill. His plans for the future are indefinite.



**RICHARD L. MAKI.** Rich migrated north from Spring Valley, Calif. and lives at Gault. He has worked for a sporting goods store, USFS and Idaho Department of Fish and Game; when not working he hunts, fishes, skis, flies, camps or surfs. He plans to fly with the Air Force after graduation and may try some graduate work with a teaching certificate in mind.

**GARY PEDERSON.** Gary is a transfer student from the Midwest. A top student in forestry, Gary was given the Xi Sigma Pi Top Graduating Senior award. Gary is a good athlete and has participated in Intramurals for his living group, Gault Hall. His plans for the future are indefinite.



**RONALD W. PYKE.** Ron's hometown is San Diego, Calif. and Lindley Hall has been his home on campus. He's been a member of the Associated Foresters, Wildlife Society and Intramural Manager of U. of I. Work has been with the USFS and the USFS will be his work after graduation.

**DAVID F. VAIL.** Dave hails from Idaho's capital, Boise and lives at Upham Hall. He is a member of Associated Foresters and has worked with both the USFS and BLM. Interests include weight lifting, hunting and sports in general. After graduation he hopes to work in the BLM's range or wildlife department.



## RANGE MANAGEMENT MAJORS

**SCOTT M. ANDERSON.** Scott (Cannonball) is from Wendell and resides at Gault. He belongs to American Society of Range Management and Associated Foresters. Hobbies include hunting, fishing and associated sidelines. He has spent three summers in farm type work and one with the BLM; his plans for the future are uncertain.

**GRANT BAUGH.** Grant is from Boise and lived at Shoup prior to his last summer marriage. Campus activities include working on the '64 Forester, member of American Range Management Society, and Associated Foresters and Army ROTC. Following two years in the Army Grant hopes to work for the BLM with whom he has worked summers since 1957.

**DOUGLAS A. BISHOP.** Doug is a Twin Falls, Idaho, fellow working in the USFS keeping Al Brooks posted on fire conditions. Interests include bowling, fishing, hunting, horse-shoeing, reading, sleeping, eating, etc., etc. Doug is another forester who recently married and he hopes to continue on to school that is if Joanne is willing to get her Ph.T. degree.

**J. WAYNE BURKHARDT.** Wayne's home is in Weiser, Idaho and his interests include guns, leathercraft, photography, hunting, fishing, and Rex Ann. He hopes she will help him through graduate school after their summer wedding. His past summers have included ranching and cruising for PFI. He is a member of Xi Sigma Pi.

**DENNIS K. FROEMING.** "Froems" is a local product from Lewiston, lives off campus and enjoys an hour or two at Mort's. He has been very active in Associated Foresters and is a member of the American Society of Range Managers. Past summers have been spent with the Soil Conservation Service where he will work after graduation. His interests are Hinting, beer, dodging the draft, and buying big shoes.

**DAVID R. KIMPTON.** Dave, from Twin Falls, Idaho, is also taking a few stump jumping courses and has become an honorary member. He enjoys skiing, chess, collecting Indian artifacts and "peanut night." Dave has worked with the USFS for the last four summers.

**LEWIS L. PENCE.** Lew is from Mackay, Idaho and lives off campus with his brother Carl. He is a member of Associated Foresters and American Society of Range Management. His summers have been on the Challis National Forest. Following graduation Lew will take a June bride from Ethel Steel House, as have his two older brothers.



### NOT PICTURED:

**CHARLES M. HAMBY.** Chuck is from Brownsville, Texas and enjoys hunting and his wife's cooking. He spent three "lovely seasons" with Uncle's Army, while his summers have been as a lifeguard, engineering draftsman and with the USDA and BLM.

**JAMES R. FULLER.** "Fuller" is from Caldwell, Idaho and attended BJC prior to Idaho. He enjoys hunting and the rodeo. Along with USFS and BLM experience Jim has had the pleasure of service in the Idaho Air National Guard. He is married and plans to work at Boise after school.



**DENNIS A. ALMQUIST.** Denny is from Mullan, Idaho, where he has worked as a miner in the Lucky Friday. He enjoys fishing, hunting, camping and Mort's. While at Idaho, Denny did very well at football and is considering a try at pro football.

**DAVID S. BARRETT.** Dave is from Buffalo, N. Y. and is a Sigma Chi. He enjoys skiing and fishing and hopes to work for the International Voluntary Service in Algeria after school.

**JAMES W. DEPRE.** Jim has fluctuated between his Moscow home and the Sigma Chi fraternity while going to school. He lists Phi Eta Sigma, Xi Sigma Pi, Idaho Forester Staff, Associated Foresters and Arnold Air Society as activities. He has worked for the USFS but may make the Air Force his career after he's gotten a degree in meteorology at University of Washington. Short-wave radio, fishing, hiking and photography are his hobbies.

**DARREL I. MATTHEWS.** Bump is from Eagle, Idaho, and is a member of Xi Sigma Pi. He enjoys hunting, fishing and a "Lucky." Summers have been spent with the BLM and USFS. His future includes a hitch in the Army.

**JOHN H. ORMISTON.** John lives off campus, hails from Edgeley, N. Dak. He is a member of Xi Sigma Pi and the Wildlife Society and Associated Foresters. He includes hunting and studying mountain quail as special interests. After graduation John wants to go on to grad school in the field of wildlife.

## Honors and Awards

Ames, George	Out-of-State Tuition Scholarship
Bergquist, Jon	Out-of-State Tuition Scholarship
	'63-'64 Crown Zellerbach Foundation
Bolton, Elvin	Smelterville Lions Award
Bradbury, Joel	George Whittell H. S.
Capellen, Jim	Potlatch Forest Foundation
Davis, Jerry	Out-of-State Tuition Scholarship
	Daniel Boone Hunters League
Dean, Dan	Crown Zellerbach Foundation
Eubanks, Jay	Forest Clinic Foundation
Eze, Ignatius	U. S. Department of Agriculture
French, Larry	A. I. D., Potlatch PTA
Frøeming, Dennis	Potlatch Forest Foundation
Gravelle, Paul	Crown Zellerbach Scholarship
Heimer, John	Out-of-State Tuition Scholarship
	Pacific Fisheries Bureau
Hubbel, Earl	Western Forestry and Conservation
	Essay Contest 1962-'63
Hufnagel, Karl	North Jersey Contractors Association
Johnson, Charles	New Jersey State Scholarship Committee
Johnson, Dean	Out-of-State Tuition Scholarship
Kiffman, Helmut	Out-of-State Tuition Scholarship
Martin, Terrel	Potlatch Forest Foundation
Mellin, David	U. of I. County Honor Award, Camas County
Olson, Dick	'63-'64 Crown Zellerbach Foundation
Pederson, Gary	Out-of-State Tuition Scholarship
	Xi Sigma Pi Top Graduating Senior
Perez, Gerald	Government of Guam
Powers, Dick	Foresterettes Award
Thomas, James	Potlatch Forest Foundation
Wellner, Jon	Out-of-State Tuition Scholarship
Wood, Ed	Potlatch Forest Foundation
Woolwine, Phil	1963 North Idaho Forestry Association

## '62-'63 Xi Sigma Pi Plaque Awards

Freshman	George Ames	Junior	Dick Powers
Sophomore	Robert Lathrop	Senior	James Crawford



## Juniors



From left to right—1st row: Chico. 2nd row: Chuck Edwards, Ed Wood, Bill Boyes, Ray Frost, George Baird, Bill Foster, Carl Pence, Dan Dean, Lynn Thaldorf. 3rd row: Jim Rowles, John Parker, Keith Glover, Willie Gray, Cliff Henderson, Paul Gravelle, Steve McCool, Gene Christenson, Larry Drew. 4th row: Bill Taylor, Dave Knutson, Rex Williamson, Gene Lathrop, Larry Daniels, Jim Reich, Whitey Nelson, Gerry Grove, Jerry Perez. 5th row: Wayne Imgard, Joe Wyllie, Greg Munther, Jim Stordahl, Chuck Peterson, Rus Kastberg, Dave Crnkovich, Scott Olson, LeRoy Petersen, Clay Brown.

## Sophomores



These sophomore foresters (and a few passers-by who wanted their picture taken too) strike a pose before taking on a surveying problem.

Row 1: E. Hutchison, H. Wallace, G. Stroebele, J. Glencross, S. Anderson, F. Chugg.

Row 2: D. Huber, P. Mann, K. Johnson, J. Davis.

Row 3: (unidentified), D. Bright, W. Pickell, D. Kludt, M. Musack, (a lost metallurgist).

Row 4: L. Briscoe, A. Kyle, E. Burton, J. Mooney, W. Spores, G. Ames.



# Freshmen



Left to right—Row 1: P. Kennon, T. Dietrich, J. Peauler, A. Brazaitis, J. DeClark, S. Mehler, G. Lance, K. Frederiksen, L. French, D. Mellin, D. Shriner, J. Rhinehart, J. Kelleher.  
 Row 2: G. Ericksmoen, P. Bonner, R. Owen, J. Clute, M. Jacobs, T. Frasher, M. Dewey, L. Horrocks, J. Wellner, J. Cramer, B. Derricott, R. Brun, H. Carpenter.  
 Row 3: P. Costales, S. Piscitello, F. McWhirter, J. Francis, G. Thompson, D. Murphy, L. Betts, S. Roy, D. Ripperger, J. Bruning, T. Bird, R. Barton, J. Bradbury.  
 Row 4: J. Butler, T. Gonnerman, H. Kauffman, R. Dodge, C. Lage, E. Bolton, T. Morelock, W. Reeder, M. Kawashima, D. Disselbrett.  
 Row 5: R. Smith, R. Berkey, D. Marsh, P. Nordeen.

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# Dean's Honor List

## SPRING '63

### Freshmen

George F. Ames	(3.65, 1)
Russel T. Moore	(3.03, 1)

### Sophomores

Richard M. Bloom	(3.53, 1)
Stephen F. McCool	(3.39, 2)
David R. Cox	(3.38, 1)
Larry A. Drew	(3.37, 2)
LeRoy R. Petersen	(3.35, 1)
Robert G. Lathrop	(3.33, 3)
John A. Hay	(3.27, 1)
Larry L. Eng	(3.24, 2)
Paul J. Gravelle	(3.24, 3)
Larry L. Daniels	(3.00, 1)

### Juniors

William L. Foster	(4.00, 1)
Gary L. Pederson	(3.84, 2)
Richard L. Powers	(3.75, 4)
Dennis C. Froeming	(3.55, 2)
Jon R. Bergquist	(3.47, 6)
Richard J. Olson	(3.47, 4)
Grant Baugh	(3.44, 1)
Daniel L. Dean	(3.38, 1)
James W. DePree	(3.36, 5)
Lewis L. Pence	(3.33, 1)
James J. Rosenthal	(3.33, 1)
James O. Eubanks	(3.22, 5)
Robert E. Wood	(3.19, 1)
Louis J. Kuennen	(3.17, 1)
Merrill S. Davis	(3.11, 1)
Michael H. Czerwinski	(3.10, 3)
J. Wayne Burkhart	(3.10, 2)
James E. Blaine	(3.06, 1)
Robert G. Crosno	(3.00, 2)
Darrel I. Matthews	(3.00, 2)

### Seniors

James R. Crawford	(3.80, 5)
Thomas G. Bahr	(3.68, 4)
Robert J. Lannan, Jr.	(3.50, 2)
Laurent Taylor	(3.41, 3)
Harold R. McEwen	(3.35, 5)
Jerry A. Davis	(3.33, 4)
Joseph D. Lloyd, Jr.	(3.29, 2)
Richard M. Tanaka	(3.29, 1)
Thomas B. Cametti	(3.20, 4)
Gene S. Brown	(3.18, 4)
Benjamin F. Collins	(3.17, 1)
Gene M. Gray	(3.17, 1)
Roger D. Hungerford	(3.17, 4)
Richard D. Just	(3.17, 2)
John T. Heimer	(3.16, 2)
Lawrence R. Smith	(3.16, 3)
Barbara L. Vars	(3.11, 1)
James B. Marron	(3.11, 1)
Robert D. Doty	(3.00, 2)
Thomas R. Eubanks	(3.00, 1)
Richard Heinrich	(3.00, 3)
Robert A. Smart, Jr.	(3.00, 3)
Thomas J. Wheatley	(3.00, 2)

## FALL '63-'64

### Freshmen

Jon A. Wellner	(3.82, 1)*
James W. Cherry	(3.25, 1)
Leslie S. Betts	(3.13, 1)
James M. Kraushaar	(3.12, 1)
James L. Thomas	(3.07, 1)
Gilbert W. Lance	(3.00, 1)

### Sophomores

George F. Ames	(3.625, 2)
Earl R. Hutchison	(3.47, 1)
John R. Thomsen	(3.35, 2)
Keith A. Johnson	(3.33, 1)
Russell T. Moore	(3.06, 2)

### Juniors

Dean W. Johnson	(3.875, 1)
Allan R. Thompson	(3.50, 4)
Robert G. Lathrop	(3.375, 4)
Stephen F. McCool	(3.35, 3)
Gregory L. Munther	(3.33, 2)
Daniel L. Dean	(3.22, 2)
Gene L. Christenson	(3.17, 1)
Fred C. Pence	(3.16, 1)
LeRoy R. Petersen	(3.16, 2)
Charles H. Lobdell	(3.12, 1)
Keith A. Redetzke	(3.06, 1)
Paul J. Gravelle	(3.06, 4)
David R. Cox	(3.00, 2)
Larry A. Drew	(3.00, 3)
James E. Risch	(3.00, 1)

### Seniors

John T. Heimer	(4.00, 3)
Jerry A. Davis	(3.875, 5)
Floyd E. Hutchins	(3.71, 1)
J. Wayne Burkhart	(3.67, 3)
John H. Ormiston	(3.67, 2)
E. Richard Logan	(3.625, 1)
Gary L. Pederson	(3.59, 3)
Helmut O. S. Kiffman	(3.56, 1)
Ronald A. Nussbaum	(3.56, 1)
Laurent Taylor	(3.56, 4)
Jon R. Bergquist	(3.53, 7)
James O. Eubanks	(3.47, 6)
Dennis C. Wilson	(3.47, 3)
William L. Foster	(3.40, 2)
Michael H. Czerwinski	(3.38, 4)
Richard L. Powers	(3.37, 5)
Floyd B. Heiser	(3.35, 3)
David B. Vail	(3.35, 2)
Eldon D. Libstaff	(3.31, 1)
James W. DePree	(3.30, 6)
Merrill S. Davis	(3.28, 2)
Paul T. Woods	(3.24, 1)
Michael D. Shields	(3.21, 1)
Thomas R. Eubanks	(3.20, 2)
Gene S. Jensen	(3.18, 1)
Terry G. Solberg	(3.18, 1)
Dennis K. Froeming	(3.11, 3)
Robert E. Wood	(3.11, 2)
Charles J. Brandt	(3.06, 2)
Elmer R. Canfield	(3.05, 3)
Donald G. Alexander	(3.00, 1)
Robert B. Chicken	(3.00, 1)
John E. Cover	(3.00, 1)
Richard J. Olson	(3.00, 5)
James J. Rosenthal	(3.00, 2)
Lyle A. Wilkinson	(3.00, 1)

\* Numbers in parenthesis indicate GPA, number of times on list.



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# Graduate Students

## Doctoral Candidates

Don Copes, Jess Daniels and Kuo-Tsing (Joe) Hsieh are all working in Forest Genetics. Don, a National Defense Fellow, is in his last year of study which has dealt with the genetic variation of foliage anatomy of pitch pine. Jess is just beginning his work and has not selected a project. Joe completed his M.F. work here last spring and is now working with genetic variation in trachied length of ponderosa pine. He is from Formosa.

Tou Chen and Charlie Travers are both working in Forest Pathology. This is Tou's third year of work dealing with nutrition of Indian paint fungus. Tou is also from Formosa. Charlie is also in his third year of study; he plans to initiate a study involving biochemistry of fungi this summer.

Ralph Colberg is on his first year of a National Defense Fellowship in Forestry Economics. His thesis will likely involve linear programming in forest management. Don Hauxwell, National Defense Fellow, completed his third year of work last spring in the field of Forest Soils; he is presently with the Forest Service but plans to return to school next fall. Jim Gosz is also on a National Defense Fellowship and is just beginning his work in Forest Management.

Bill Dahl, Jack Nelson and Ben Roche are all working in the area of Range Management. Bill is conducting investigations concerning soil-plant relations of medusahead and cheatgrass. Jack has been conducting a study on the life history of saltsage in southern Idaho. Ben is a Weed Specialist for the state of Washington but is also completing his third year of part-time work on the life history of yellow star thistle.

Don Klebenow is new here this year; he will be initiating a study in sage grouse habitat for his Ph.D. work in Wildlife Management.

## Masters Candidates

Dick Goyer and Bob Stevenson are conducting work in Forest Entomology. Dick is beginning a study of cone and seed insects of white pine. Bob is conducting research on primary parasites of the Engelmann spruce weevil in the northern Rocky Mountains.

Jim Crooks has been investigating genetic variability of red cedar for an M.S. in Forest Genetics. Stan Stroup finished a project concerning the response of grand fir to release to logging. Harold (Pebble) McEwen is starting a study of survival of nursery stock Douglas fir for an M.S. in Forest Soils. Bob Smart is also working in Forest Management.

Bill McNamara is studying the effects of drying schedules and extractives on the wettability of western larch veneer to complete his work in Wood Utilization. Jay McKendrick is in his first year of work in Range Management. His project concerns a ten-year evaluation of crested wheatgrass seedlings in southern Idaho.

Tom Leege and Steve Kowalsky are both working towards M.S. degrees in Wildlife Management. Tom is working on the life history of beaver in Montpelier, Idaho. Steve has been studying the use of mountain meadows by elk in the Elk City area.

John Ormiston and Jerry Davis both initiated programs in Wildlife Management. John is working with mountain quail while Jerry is working with mule deer. Lee McConnel is working in Forest Soils program. John Heimer is starting a study on the life history of Dolly Varden trout. Arnold Bullock is finishing his Master's work.



# Faculty



**Prof. R. Seale**  
Economics  
Mensuration  
M.S. (For.) Idaho



**Dr. C. MacPhee**  
Fisheries Management  
Ph.D. Washington



**Dr. A. Partridge**  
Pathology  
Ph.D. New Hampshire



**Dr. J. Schenk**  
Entomology  
Ph.D. Wisconsin



**Dr. C. Wang**  
Genetics  
Ph.D. Harvard



**Dr. H. Lowenstein**  
Soils  
Ph.D. Wisconsin



**Prof. F. Johnson**  
Watershed Mgmt.  
Dendrology  
M.S. (For.) Idaho



**Mr. L. Williams**  
Research Economist  
M.S. (For.) Idaho



**Prof. F. Pitkin**  
Forest Nursery  
M.F. Idaho



**Mr. V. Burlison**  
Extension Forester  
M.S. (For.) Idaho

## NOT PICTURED:

**Dr. R. Giles**  
Wildlife Management  
Ph.D. Ohio State

**Mr. R. Thompson**  
Fisheries Unit  
M.S. Michigan





**Dr. P. Dalke**  
Leader Idaho Coop.  
Wildlife Research Unit  
Ph.D. Michigan

**Dr. K. Hungerford**  
Wildlife Management  
Ph.D. Michigan

**Dr. E. Tisdale**  
Range Management  
Ph.D. Minnesota

**Prof. L. Sharp**  
Range Management  
M.S. Utah State

**Dr. M. Deters**  
Silviculture  
Forest Management  
Ph.D. Minnesota

**Prof. J. Howe**  
Wood Utilization  
M.S. Yale

**Prof. A. Hofstrand**  
Wood Utilization  
M.S. (For.) Idaho

**Prof. H. Alden**  
Recreation  
M.S. Maine



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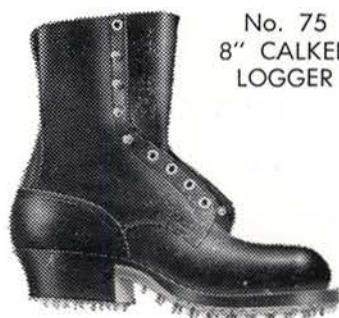
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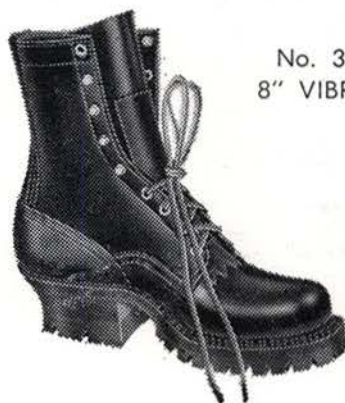
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