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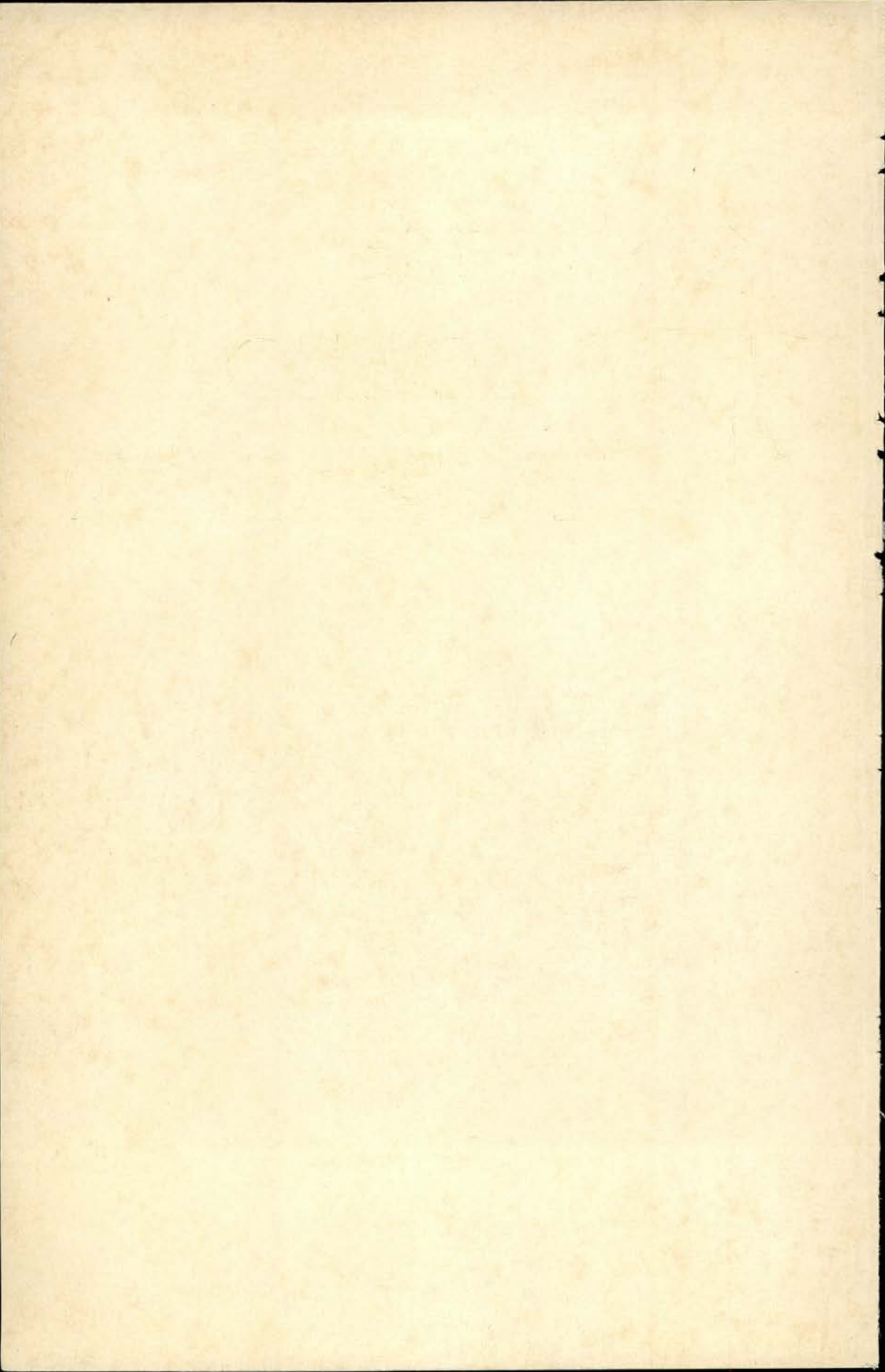


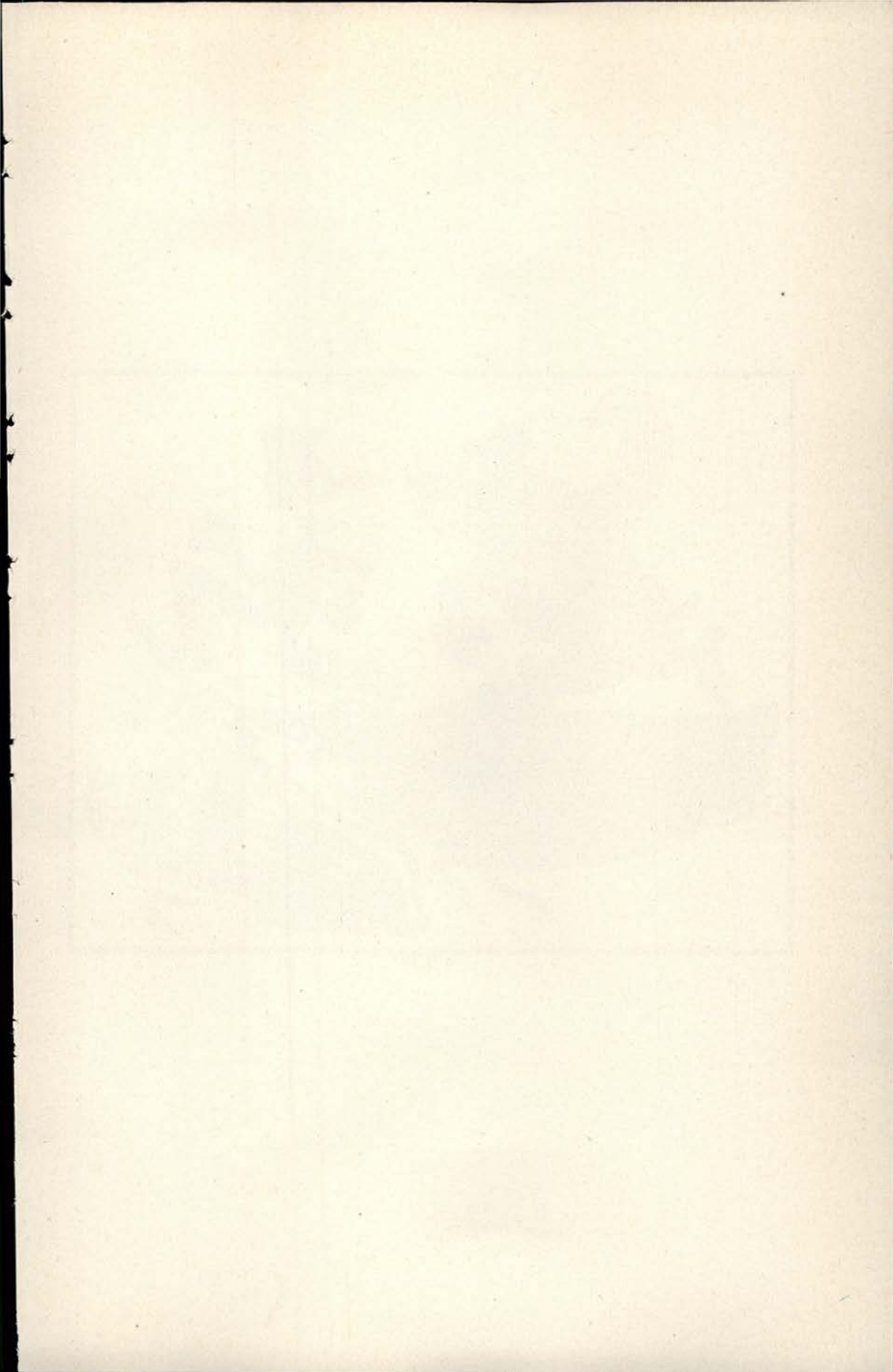
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THE IDAHO FORESTER



Published Annually

by

THE STUDENTS OF THE COLLEGE OF FORESTRY
UNIVERSITY OF IDAHO
Moscow, Idaho

In appreciation of their unselfish and sometimes seemingly thankless efforts to instruct us in the classrooms, their timely advice, and their ever-helping hand with our activities we dedicate this thirty-fifth issue of the IDAHO FORESTER to the FACULTY OF THE COLLEGE OF FORESTRY.

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FROM THE EDITOR

This edition of the IDAHO FORESTER climaxes the close of another year, leaving only memories of the many activities and classroom studies biometry steak fry coffee time at the bucket bull sessions black Buicks Plantation triangles sleeping in class banquet field trips foresters' ball sheep Exworthy at the piano Monday night meetings we have tried to preserve these for you in the IDAHO FORESTER and are happy to present this record of events and hope that you will use and enjoy it throughout the coming years.

Without the fine enthusiasm, cooperation and ever-present humor of all those men working on the staff, the publication of the IDAHO FORESTER would have been impossible. The students and faculty advisors have given many hours and much effort in preparing the material for publishing. I would like to thank all of you for your very able and much-needed assistance, and especially Bob Nisbet, who has been staff photographer for the past four years and who will be sorely missed in the future.

School Activities

—photo by Tom Vars



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FROM THE DEAN'S DESK



Many times forestry faculties speculate on what their graduates are doing and what they think of their college training when viewed in the light of their experiences. In order to obtain facts on this matter I sent a questionnaire to all forestry alumni of the University of Idaho. To date approximately one-third of the questionnaires have been returned. It should be pointed out that this sample is probably biased, since it was not a random one. However, it is felt that the returns are sufficiently accurate to act as a guide for curriculum planning. I propose in this note from the Dean's desk to concentrate on two matters; the nature of employment, and what subject matter was of the greatest or least value will also be considered.

Government agencies have employed the largest share of graduates and of these government agencies 12 are federal agencies, not including the armed forces. Those not listed below include the Extension Service, Division of Pathology, Blister Rust, Bureau of Reclamation, Corps. of Engineers, Indian Service, Park Service, Tennessee Valley, Federal Bureau of Investigation, U. S. Immigration and Naturalization Service, and foreign forestry services. State employment includes teaching in high schools and colleges, state forestry and fish and game departments, and graduate work.

The second most important source of employment is with industry. Some graduates are with companies, the work of which is definitely related to their training, but not strictly forestry. These include chemical companies, oil companies, and others. Graduates not in forestry or related fields tend to concentrate in the insurance and finance fields.

The following breakdown classifies employment by agency showing percent in each.

Federal

U.S. Forest Service	24.1	
Administration	6.4	
Research		30.5
Bureau of Land Management	7.5	
Soil Conservation Service	5.9	
Nine other Federal Agencies	12.2	
(Incl. Armed Services)		56.1

Private

Industrial Private Forestry	20.3	
Industrial Private, not strictly forestry	4.3	
		24.6

State

Forestry Department	3.7	
Universities and Elementary School Teaching	7.4	
Fish and Game Departments	1.6	
Graduate Students—usually Fellowship	2.4	
Other State	.5	
		15.6
Self Employed—not Forestry—and Retired	3.7	
		100.0

Suggestions concerning courses taken or ones needed were made by persons of varying backgrounds obtained through school options and job experience. Older graduates and a few younger ones, who as a group might be classed as executives, stressed the importance of courses in administration, public relations and

personnel management. A number of "pats on the back" were offered Idaho graduates, as compared to those of other schools, by managers who are alumni in private and federal agencies. Some executives, particularly in private industry, pointed out that very often the young graduate expected a "position" not a "job", but were in general adaptable, and soon took to the woods for a little dirt forestry.

Almost universally there was a desire registered for more field work in all applied courses and for more liberal arts courses. Older and younger graduates alike recommended greater emphasis on liberal arts to produce a graduate who can see the "forests as well as the trees".

Graduates from private industry stressed the profit incentive and other agencies pointed out the need for more accounting, business law, and (believe it or not!) - typing.

Those who have not followed forestry suggested that the broad background concept is particularly important, since they were able to shift to other work without too much inconvenience. To point out "greener pastures", as one side-tracked alum put it, there should be a course in which various people from all agencies would be invited to explain their jobs and its desirable and undesirable characteristics so that the budding forester would know what to point for in summer employment and what to consider in a later search for permanent work.

Speech, English, technical and business writing ranked high as subjects which would help the graduate to succeed regardless of his major. Beyond this, suggestions are given by options.

Forest Management: - Besides the subject already mentioned - such as speech and writing - courses like mensuration, mathematics, surveying, silviculture, and forest management were offered by the graduates as those of greatest use, with mensuration receiving top billing.

In the "least-use" category, fire

control, and chemistry, received the most votes.

Larger helpings of speech, business management, English, writing, logging (with emphasis on a practical course), mathematics, economics, and statistics, were suggested as the things they should have more of.

Some interesting changes for present courses were advanced; for instance, forest pathology and forest entomology were criticized because there was too much time spent on taxonomy and theory and not enough on control measures and survey systems. The shift of emphasis seemed to be in the direction of more field work for these courses. Incidentally, a few of the "grads" wanted entomology, forest soils, forest ecology, and photogrammetry, shifted to the college of forestry entirely.

A course in sales technique or sales psychology was suggested as a substitute for a general psychology—not that psychology was necessarily underrated, but it was felt that the course taken did not meet their needs.

Range Management: - Speech, English, and writing were emphasized by range management graduates but not as strongly as by the forest management majors. This stands to reason; isn't it on the range that "there seldom is heard a discouragin' word"?

Chemistry, plant physiology, physics, animal nutrition, and mensuration were in the "least use" column.

Speech and soils head the "more-wanted" column followed by botany (mostly ecology), technical writing, English, economics, languages, — (this was the only group that mentioned this) - mathematics, and geology. Soils and economics courses were further recommended to be more about range conditions and problems and less about forestry and agriculture.

Wood Utilization: - The wood brewers and benders indicated that mathematics, English, engineering,

and wood technology were most important to them. (Keep this under your hat, but one of these fellows said that chemistry was his least useful subject. Of course he's in the logging engineering field.)

They'd like to see more work in adhesives and their application and in hardboard technology as well as added courses in English and accounting.

Wildlife and Fisheries Management: - The "wildlifers" stressed a need for speech, technical writing, zoology, plant and animal physiology,

statistics and physics. Some suggested that chemistry credits could be reduced. Since these options are new the returns were relatively light.

Of the total returns 68 percent were from forest management majors and 22 percent were from range management majors. The remaining amount was fairly well distributed among the other options. About $\frac{1}{4}$ of the graduates felt that things were "okay".

With all of this what would you do?

FACULTY

By

CARL J. GOEBEL

This year marks 43 years of service to the people of Idaho and the nation by the College of Forestry. During the forty-three years of operation, 839 men have been sent out from her doors to all parts of the globe. Idaho is proud of her record of the past, but more impressed by her potential for the future.

This year's graduating class of 36 "Jungle-brush fighters," marks the termination of the first school year of service by Idaho's new dean, Ernest Wohletz. To collectively answer queries on our new C.O., we dug back into the files and came up with some mighty interesting information.

Dean Wohletz viewed his first conifer on July 10, 1907, which makes him about 47 annual rings or something. At an early age, the dean-to-be hitched a ride on a sheepherder's truck and wound up in the desolate chaparral area—the University of California in Berkeley. Not having seen Idaho yet, he believed this area to be a beautiful spot and made an overnight camp near the shores of San Pablo Bay. During his brief stop the dean managed to slip in a few extra-curricular activities into his "good old college days." He was honored by holding down the captaincy of the

university soccer squad for 3 years straight. He also harvested an intense interest in baseball, still persistent today, by holding down the number one spot behind homeplate on the university's baseball team.

To insure himself of a 50 yard line grandstand seat at Berkeley's football tilts, the versatile youngster joined the university band giving a down beat with a hot trumpet that would put up stiff competition even to Harry James's "Oh My Poppa." His last extra-curricular activity was the way of all good men, he married in the year of 1935.

In 1937 Mr. and Mrs. Wohletz, seeking "greener pastures," arrived at the Nez Perce stomping grounds in Idaho. Here at the University the dean conducted courses in forest economics, mensuration, and biometry. Besides these duties the dean found time to coach a pretty fair baseball squad during the year of 1945. He also pushed through a mighty important forester's summer camp project. Incidentally, the first forester's "vacation period" was held right here at the University in the year of 1938, since Shore Lodge hadn't been assembled at that time thereby leaving little material to be studied in the McCall area.

With the retirement of Dean Jef-

fers, and the movement of Dr. T. S. Buchanan to Liberia, a great gap was left in the administration of the school. Progressive advancements were the result with Dr. E. E. Hubert taking over duties as pathology lecturer and research pathologist. Dr. Tisdale, of the 2nd floor "Halogen hunters," was appointed Professor of Range Management and Assistant Director of the Forest,

Wildlife and Range Experiment Station. Bob Seale's "normal curve" pipe is now situated in the office of the Assistant to the Dean. Incidentally, Bob is now in the process of working on his PhD in economics. Likeable Dr. W. K. Ferrell, "Radioactive," was moved up from soil specialist in the experiment station to Assistant Professor of Forestry.



1954 Yield



DEWEY P. ALMAS
Spokane, Washington
Forest Management

"Gandy" went to Eastern Washington College of Education before coming to Idaho where he is treasurer and has been secretary of the Associated Foresters. "Gandy" is noted on the campus for his "frantic antics" and his memorable posters and cartoons. He has thrilled all the Foresters with his tales of work on the SI Railroad. Summer experience takes in logging, scaling, forest insect surveys, and blister rust work. Hobbies include drawing, fishing, hunting, and drinking coffee.

ART ANDRAITIS
Maple Heights, Ohio
Forest Management

Before coming to the University of Idaho Art went to school at Western Reserve University at Cleveland, Ohio. Being quite a talker and a slinger of other material "Greek" has served as President of XI Sigma Pi, Editor of the Idaho Forester, class representative, member of the Arnold Air Society, and Air Force ROTC Rifle Team. Hunting, skiing, fishing, hiking and other outdoor sports are the hobbies of this boisterous character. Summer experience for Art include 4 seasons with the CTPA as a fire control aid, and as a jippo logger with Potlatch Forests, Inc.



FRANK G. BEITIA
Elko, Nevada
Range Management

A typical sheepherder from the intermountain country Frank has been active in all phases of forestry activities on the Idaho Campus. A member of the AFOTC Rifle Team, Associated Foresters and the ATO Fraternity he is known for his love of sheep. Frank was Secretary-Treasurer for the Association of Western Clubs and the Northern Idaho Section of the Association of Range Management. Hobbies include herding sheep and catching ground squirrels. Experience for Frank during the summers include sheep herding, ranching, and assistant ranger on the Humboldt National Forest.

HARRY A. BRIZEE
Twin Falls, Idaho
Wildlife Management

Harry's activities include President of Delta Sigma Phi Fraternity, and the Pershing Rifles. Harry's other accomplishments on the Idaho Campus include: The Associated Foresters, Scabbard and Blade Military Honorary, Interfraternity Council, XI Sigma Pi, Blue Key, and Student Services Council. Harry has also served as Associate Forester for XI Sigma Pi and Business Manager of the Idaho Forester. He has had summer experience with the U.S. Forest Service in Blister Rust Control, Smokejumping, and Checking Station duty.





SA-ARD BOONKIRD
Prae, Siam
Forest Management

Sa-ard attended high school and the School of Forestry in far off Siam before coming to the University of Idaho. Some of Sa-ard's activities while at Idaho were Ranger of Xi Sigma Pi, member of the Associated Foresters, the Cosmopolitan Club, Society of Range Management, and member of the Thai Alliance in the United States. His summer experience includes working on an Insect Survey in Idaho and Montana for the Bureau of Entomology, and Timber Improvement and Fire Control for the U. S. Forest Service of the State of Arizona. Sa-ard plans to work for an advanced degree. One of his hobbies is photography.

WARD T. BROOKWELL
Los Angeles, California
Forest Management

Ward is one of the longest fellows in the College of Forestry. Noted for telling his troubles on the "World's Smallest Violin" and for his big black buick, Ward's activities include the Associated Foresters, Newman Club, and the Society of American Foresters. Brookwell hobbies are women, hunting, fishing and shiny black automobiles. Ward has had varied experience with the U.S.F.S. and industry. He has worked on Blister Rust Control, Timber Stand Improvement, Fire Control Aid, Logging Truck Driver, and insect survey.



ALAN B. CURTIS
Bethesda, Maryland
Forest Management

Al came across the United States to take up Forestry at the University of Idaho, evidently collecting wood samples as he traveled. He has managed to continue his collecting while at school. Al is a member of the Associated Foresters, Xi Sigma Pi, and the Ski Club and his hobbies lists wood identification, traveling, and skiing. His summer experience includes work with the Bureau of Entomology and the Forest Service. Al wants to work for an advanced degree if he can.

MILTON E. GODDARD
Trail, British Columbia
Forest Management

Milt attended Trail High School before coming to the University of Idaho. An active member of the Associated Foresters, Milt likes to hunt and fish in his spare time. Baseball and other sports are also well liked by Milt. His summer experience includes Smokejumping on the Payette National Forest for two summers and Dispatcher for the British Columbia Forest Service.



JAMES W. HARBERD
Council, Idaho
Forest Management

Jim came to Idaho from Pacific University at Forest Grove, Oregon. He is a member of the Associated Foresters, Phi Kappa Tau, and the Pre-Med Honorary, a distinction that few foresters can claim. Jim's hobbies include fishing and hunting; his experience consists of various phases of sawmill work, some contract skidding and loading, and contract felling and bucking. He says that he may work toward an advanced degree.



JOE T. HELLE
Fargo, North Dakota
Range Management

Joe transferred to Idaho from North Dakota Agricultural College for his last two years of school. Joe was president of the Associated Foresters, a member of Xi Sigma Pi, and the Rifle Team. His hobbies include hunting, fishing, and just stumping around in the mountains. Joe has been a ranch hand for eight seasons, worked on the Priest River Experimental Forest, and has done range research work.

GEORGE K. HOLLETT
Coral Gables, Florida
Forest Management

George went to Rollins College at Winter Park, Florida, and to the University of Miami at Coral Gables, Florida, before coming to Idaho. George's main interest seems to lie in the field of sports, although it is debatable which he likes the most: athletic sports or female sports. George has spent some time as a Park Ranger in Yellowstone National Park. He wants to work for an advanced degree.



STANLEY M. JEPSEN
Columbus, Ohio
Forest Management

Stan went to Ohio State University before deciding to come to the University of Idaho to take up his studies of Forestry. While Stan has had to spend most of his spare time managing his two small children, he did find time to be an active member of the Associated Foresters and of Xi Sigma Pi. Summer experience, applying to Forestry, includes being a Ranger at Glacier National Park. Stan's hobbies are amateur ornithology, hunting, fishing, and gardening. He wants to get his masters degree in Forestry.

LAWRENCE C. JOHNSON
Coeur d'Alene, Idaho
Forest Management

Swede is one of the few Idaho boys in the College of Forestry. Swede is a member of the Associated Foresters and of the Society of American Foresters. He was sophomore representative, banquet chairman for 1953, and A.W.F.C. Vice President from Idaho for 1954. His hobbies include hunting and music; he's a pretty mean boy on the accordion. Swede has had experience with blister rust control work, aerial fire detection, and insect survey work.



JAMES F. KEATING, JR.
Moscow, Idaho
Fisheries

Jim is an active member of the Associated Foresters and of Xi Sigma Pi. Besides pulling practical jokes on bearded Foresters at Summer Camp, his hobbies include hunting, fishing, and collecting insects. He says that being a "round-hound" is also one of his hobbies. Jim's summer experience includes work on the Spruce Bark Beetle survey, Fire Guard for the U.S.F.S., and work at the U. of I. Forestry Nursery. He wants to work for an advanced degree some time.



THOMAS LINDSTROM
Summit, New Jersey
Forest Management

Tom's activities include membership in Sigma Alpha Epsilon, the Associated Foresters, and the Society of American Foresters. Tom's hobbies are hunting and hill-billy music. He learned how to play the guitar by himself at Forestry Summer Camp, so many of his classmates suffered his hardships with him. Tom has had summer experience at farm work and as a millhand.

CHARLES WILLIAM LUSCHER
Libby, Montana
Wildlife Management

Bill is an active member of the Associated Foresters, Arnold Air Society, and Sigma Chi Fraternity. He has also served as photomounting editor of the Gem of the Mountains. Outdoor sports, primarily hunting and fishing, are the hobbies of this forester. Summer experience for Bill includes three summers with the J. Neils Lumber Company of Libby, Montana, and one summer with the Bureau of Land Management on Range Survey at Idaho Falls, Idaho.

ROBERT H. McALISTER
Kileen, Texas
Wood Technology

Mac comes to us from the big state of Texas and is known for his friendly manner on the Idaho Campus. A few of Mac's activities are Associated Foresters, Debate Team, Xi Sigma Pi, Phi Eta Sigma, and Kappa Sigma Fraternity. Mac has also served on the Idaho Forester staff. A member of the Navy R.O.T.C. the high seas will be his home after graduation. Hunting, fishing, and photography are the hobbies of this seagoing forester. Summer experience for Mac has been construction work, summer camp and the navy cruises. An advanced degree is also in mind for this sailor.

DONALD R. McMANAMON
St. Maries, Idaho
Forest Management

Mac comes to the University of Idaho with a wide variety of experience with the U.S. Forest Service and the U.S. Navy. Mac is the slow type but is well noted for his friendly conversation especially if it has to do with hunting and fishing. Activities for Mac include the Associated Foresters, Vice President of the Association of Western Forestry Clubs, editor of the AWFC Publication, Business Manager of the Idaho Forester, and editor of The Riffin, (the monthly forestry club publication). Don was also kitchen manager for Summer Camp in 1951. The St. Joe National Forest has employed Mac and he has served as dispatcher and headquarters guard and smokechaser.

PAUL C. MATTHEWS, JR.
Grand Forks, North Dakota
Range Management

Paul is one of those fellows that doesn't say much, but when he does speak people usually listen. He is a member of the Associated Foresters, Scabbard and Blade, Eagle and Anchor, and president of the Curtin Club, the University Dramatics honorary. Since Paul is in the Navy program at the University, his summers have been occupied with Navy cruises to various parts of the world.





FRED T. MATZNER
Chicago, Illinois
Forest Management

Theophilus is the only walking Chamber of Commerce for the State of Idaho. He is an active member of the Associated Foresters and the Ski Club. He has been a member of the Intercollegiate Knights and the Pershing Rifles. His hobbies include hunting, skiing, and mountain-climbing. Fred's schooling was interrupted by the Korean War and he ended up traveling to the ski resorts of Germany and Switzerland. Summer experience includes Blister Rust Control, checking stations, and timber marking for the State of Idaho and the U.S. Forest Service.

PHILLIP E. MENGES
Keating, Oregon
Forest Management

Phil, a transfer student from Eastern Oregon College is an active business executive in the P & M Logging Company. A member of the Associated Foresters and an ardent fan of the arts of hunting, fishing, and archery, Phil is kept busy with the P & M company. Phil has had a wide variety of experience which includes 3 summers with the U.S. Forest Service, 3 years with private logging operators, 2 summers with the Pole Blight Survey, and 2 winters with the P & M. Phil is also a Navy veteran of World War II.



ROBERT L. MYERS
Syracuse, New York
Wood Technology

Before attending the University of Idaho, Bob went to the New York State Ranger School. Bob is a member of the Associated Foresters and holds a Captaincy in the U.S. Army Reserve Corps of Engineers. His summer experience includes the Soil Conservation Service in the State of New York, the U.S. Engineering Department in New York and Pennsylvania, the Firestone Rubber Plantations of Liberia, Potlatch Forests, Inc., and the Idaho Tax Commission.

ROBERT L. NISBET
Long Beach, California
Range Management

Bob came to Idaho from Long Beach City College at the beginning of his Sophomore year. He is a member of the Associated Foresters, and photo editor for the Idaho Forester in 1952, 1953, and 1954. His experience consists of timber cruising for the U.S.F.S., timber marking, bug surveying, and sales inspection for the State of Idaho Department of Forestry, and work on the U. of I. pole blight research project. Bob wants to work toward an advanced degree in pathology. His hobbies are sailing, fishing, and photography.



BOB OEHMCKE
Pine Ridge, South Dakota
Range Management

Bob's activities include serving as treasurer for the Associated Foresters, Operations Officer for the Arnold Air Society, House President of Phi Kappa Tau, Chairman of the Idaho Kick-off Dance, work on radio station KUOI, and a member of the Society of Range Management. His experience includes two summers on lookout for the Forest Service, a summer on trail crew, and a season of range survey work with the B.L.M. His main hobby is cartooning.



CHARLES A. OHS
Chicago, Ill.
Forest Management

Before coming out to the University of Idaho, Charlie attended The University of Illinois from 1947 to 1949. His activities include membership in the Associated Foresters, of which he was Vice President, and the Idaho National Guard, where he holds the rank of Master Sergeant. His hobbies are hunting, fishing and loafing. Charlie's summer experience includes blister rust control on the St. Joe National Forest in '48 and '49, chainman in the St. Joe in '50, Sgt. Major in the U. S. Army from May, '51 to Jan. '53, and timbermarking in the Nez Perce National Forest in 1953.

RICHARD D. PARKER
Santa Ana, California
Forest Management

Dick is probably the only forester, along with his partner of the P & M Logging Company, to operate a forest products industry while going to school, not to mention a home with three blondes. Dick is easy to recognize, being as stout as any of the logging equipment he uses. Hunting and fishing are his main hobbies. His experience includes two hitches in the navy, work with the Forest Service, Private Logging Industry work and a Contract Logging business.



DAVID E. PARSONS
Dallas, Pennsylvania
Fisheries

Dave followed his nose west to Idaho after going to school at Wilkes College, Wilkes-Barre, Pa. While here he found time to serve as Secretary of the Associated Foresters, President of the Ski Club, Secretary-Treasurer of Xi Sigma Pi, Veep of Delta Sigma Phi, Chairman of the 1953 Forester's Ball, and many other activities. Dave's hobbies are hunting, fishing, skiing, and female appraisal. His experience includes telephone and trail maintenance, catskinner, and beach comber on Cape Cod. He plans to work for an advanced degree in fisheries.

GARVIN VANCE PLYMALE
Fowler, Kansas
Forest Management

Vance came to Idaho after going to Bethany-Peniel College at Bethany, Oklahoma for one year. A member of the Associated Foresters, his interests are quite varied; his main hobbies are archery and stamp collecting. His summer experiences include construction work in Kansas, work on a survey crew in Southern Idaho, log scaling in Northern Idaho, and work in a sawmill in Northern Idaho.



HUGO W. RIECKEN
Everett, Washington
Forest Management

After one year in another field, Hugo decided that Forestry was the life for him. Hugo is a member of the Associated Foresters, the Society of American Foresters, and is advertising manager for the Idaho Forester. His hobbies are guns, hunting, and photography. Summer experience includes work with the Forest Service, Bureau of Entomology, and private industry.



LAWRENCE O. SMITH
Kooskia, Idaho
Forest Management

Smitty is well noted in Idaho Forestry Circles for the 101 uses of his pliers, which he is never without. "Pliers" has served as 1954 chairman for Idaho Forestry Week, been Senior Representative of the Associated Foresters, and an active member of the Rifle Team, Cosmopolitan Club, Society of American Foresters, and Alpha Phi Omega. Being a typical brushhopper, Lawrence has had 11 summers experience all with the U.S.F.S. in the Nezperce National Forest. Probably no one is better acquainted with the Selway-Bitterroot Wilderness than our Smith. Hunting and fishing are the hobbies of this forester.

HOWARD L. STOLAAS
Coeur d'Alene, Idaho
Forest Management

North Idaho Junior College had the pleasure of having Howard as a student before he came to Idaho. Howard has held the office of Ranger in the Associated Foresters and has been active in all club affairs. A Master Sergeant of the Idaho National Guard, he was called to active duty during 1951 and served in Korea with the 300th Field Artillery Battalion as Operations Sergeant. Howard has worked 3 summers on the Coeur d'Alene National Forest on Blister Rust Control, 1 summer on pine disease survey, and 2 summers with the Bureau of Entomology and Plant Quarantine.



TOM K. TAGAWA
Honolulu, Hawaii
Forest Management

Tom came quite a ways to go to school at Idaho, and after working in the United States for a while wants to go back to Hawaii and practice forestry there. Tom's extracurricular activities, including membership in the Associated Foresters, and caring for a wife and two children, have kept him pretty busy during his stay at the University of Idaho. His summer experience includes pole blight survey work, and soil agricultural engineering.

DON BALSER
Wildlife Management

Don came to Idaho from Illinois after spending some time in the Army Air Corps. He was a member of the Associated Foresters and of Xi Sigma Pi. His hobbies included hunting, fishing, and trapping. Don made trapping pay off while he was at the University as he ran a trap line while going to school, and at the same time kept up a good grade average. Don has experience as Assistant Manager at the University Forestry Nursery, and as timber assessor. He plans to work for an advanced degree in wildlife.

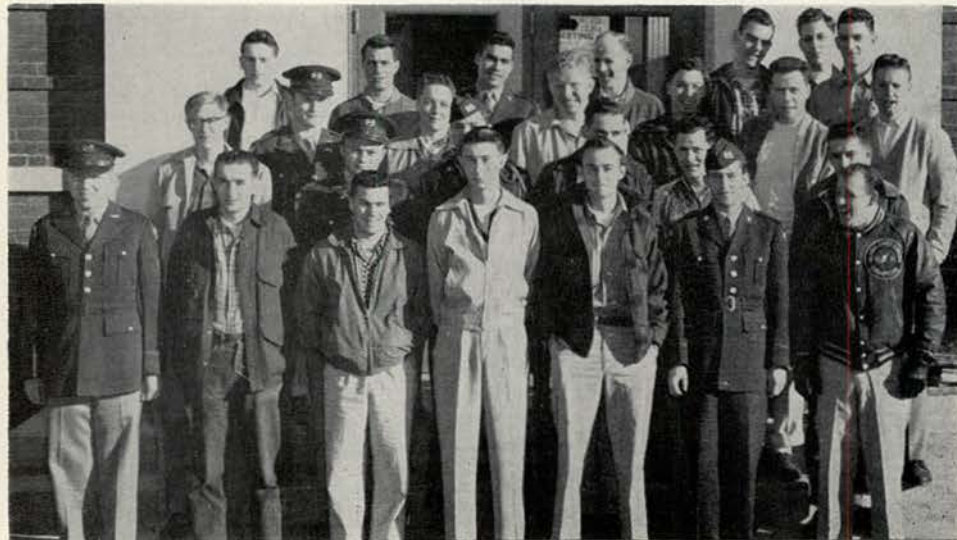
(Ne Pictuere Pas)

THINNINGS



Row 1: Jack Olson, Robert Coleman, John Meschko, Pat Clason, Forrest Twitchell, Carl Goebel, Bruce Ottenfeld, Sherman Finch.
Row 2: R. Andrews, J. Wilcox, Bill Wallace, Ralph Kizer, Bob Speedy, Vince Strobel, Tom Vars.
Row 3: James Gregg, Al Lewis, Bob Emmons, Larry Elfering, George Rogers, Edward Kautz, Al Wilson, Bill Charke.

CLEANINGS



Row 1: Richard Feeney, Howard McKeever, John Pritchett, Harold Lavender, Elliott Light, A. Greichus.
Row 2: R. S. Marlett, R. Playfair, James Taubman, Don Temple, Rex Pieper, John T. Wilcox.
Row 3: Ken Hallett, Rich Heffel, Bob Olson, Pete Preston, Al Coombes, Earle Andrews.
Row 4: John J. Huber, Bob J. Platz, Spence Miller, Ralph Kizer, Neils Christiansen, Frank Varseveld, Ted Tice.

REGENERATION



- Row 1: Robert Lee Hay, Charles Campbell, Richard Horn, Clarence Teichert, Nathan Yost, Geof Finlay, Roger Agte, Barbara Vars.
- Row 2: Douglas DeWalt, John Kessler, Al Aammill, Dick Paul, R. J. Newman, M. M. Mauger, Dave Cole, Andy Coray, George Berscheid.
- Row 3: Larry Wing, Ralph Lindberg, Lee Martin, Larry Fellows, Lee Jones, Russ Brown, Dale Gaskill, Paul Barker.
- Row 4: Gerald Lohman, Robert Reinert, Bob Chambers, Tom Grafmiller, Hugh Lydston, Bob Womeldorf, Gary Scott, Jack Helle, Bob Cochrone.

GRADUATE STUDENTS

by WILLIAM WALLACE

RICHARD ANDERSON, an Idaho grad of 1949, has returned to Idaho to do his graduate work, after spending some time with the USFS and working as a private timber operator. His thesis will be a cost analysis of a small logging operation and will get his Masters degree in June, 1954.

JAMES BARNETT came to Idaho last July from the University of New Mexico, where he received his B.S. degree in Agriculture. Jim is a graduate fellow working on an evaluation of reseeded lands in Idaho. He plans to receive his Range Management degree in 1955.

JOSEPH BASILE, Idaho 1952, is working on factors of white-tailed deer winter food and cover. However, a lack of snow this past winter has hampered his research but he still plans to get his M.S. degree in Wildlife Management in June 1955.

EDWIN CASWELL has served two hitches as a graduate student at Idaho but they were split up by a stretch in the Marines. He came to Idaho the first time in 1950, from the Univ. of Massachusetts, where he received his B.S. degree in Wildlife Management. Ed has completed his re-

search on the ecology of blue grouse and will get his M.S. degree in June 1954.

JACK GILLETTE returned in February to complete his graduate work started in 1950 and interrupted when he was recalled to the army in 1951. He completed his undergraduate work at Purdue University and now has only to finish his thesis on an analysis of white pine yield tables for his Master's degree.

MINORU HIRONAKA is a Utah State Agriculture College graduate. Min's research project is the ecology and control of goat-weed in Idaho. His field research work has been concentrated in northern Idaho. He will receive his M.S. degree in Range Management in June 1954.

CHARLES HODGES, JR. completed his undergraduate study in the fall of 1952 and immediately enrolled for graduate work. Chuck was a freshman and sophomore at Baldwin college and also spent a year at the Univ. of Georgia before coming to Idaho to receive his B.S. degree. He is assisting in pole blight research but is writing his thesis on root rot of Western White Pine and will graduate in June 1954.

ROYAL HOLL is a 1952 graduate of Colorado A. & M. College, where he majored in grazing. His thesis will be on the Ecology and Control of Halogeton in Southern Idaho.

FRED MARSH is from Calgary, Alberta, Canada. His undergraduate work at the U. of British Columbia was in Forest Management. Fred's research project is concerned with the effects of the thinning of forest stands on the production of wild-life food.

BURT McCONNELL has completed his research on the productivity of mule deer in the Minidoka National forest. He will receive his M.S. degree in Wildlife Management in June 1954.

CLYLE NOVAK came to Idaho in the fall of 1953 after being discharged from the Air Force. His project, which he plans to have completed by 1955, will be in some phase of wildlife nutrition.

DUANE PYRAH is an Idaho grad. of 1951 in Range Management. His research and thesis are on sage grouse of southern

Idaho and he will get his M.S. degree in Wildlife Management in June 1954.

CHARLES SOUTHERLAND was in charge of forest research with Potlatch Forests Inc. before reentering the university. He is working toward a Master's degree in forest economics.

RAYMOND STROSS received his B.S. degree in Agriculture with a major in wild-life management from the U. of Missouri. Ray is making an ecological study of the Kokanee in Lake Pend Oreille and hopes to finish his thesis by June 1954.

JOHN SULLIVAN is a research fellow working on slash disposal in the white pine type in northern Idaho. His thesis is on slash disposal and he will receive his Masters in June 1954.

CHARLES WITT finished his thesis in February—a study of an inland population of steelhead trout and will receive his M.S. degree in June 1954. Chuck is now the Assistant Fishery Biologist for the Northern District.



Row 1: Unidentified
Row 2: Min Hironaka, Jim Barnett, Hadley Roberts, Gordon Heebner, Joe Mohan, Charles Hodges.
Row 3: Joseph V. Basile, John Sullivan, Royal G. Holl, Clyde A. Novak, Norman R. Chupp.

ASSOCIATED FORESTERS

by JOE HELLE

To the new freshman foresters coming through the registration line in the Forestry building that extra "fee" of five dollars was probably considered just another unavoidable expense of college. By the time the first meeting and the first big event of the foresters, the steak fry, had rolled around they were thinking that they might get something out of their five bucks after all.

This year's membership reached a total of 125 "boy foresters". Thanks must go to our hounding treasurer, Dewey Almas, who proved very capable in tracking down the unaffiliated members and offering them a "chance" to obtain a membership card.

The weather man was cooperative in providing a good day for the foresters annual steak fry which was held at the usual stomping grounds on Meadow creek. The week before the big event a crew of foresters worked diligently in setting up a new climbing pole and getting the chopping blocks ready. The afternoon was a success, thanks to the general chairman, Charlie Ohs, and his crew. The climax of the day was reached when a number of the "upperclassmen" held a little discussion at Ben's.

With the first function of the Associated Foresters successfully behind, plans were laid for the next event - the Foresters' Ball. Bob Emmons was appointed chairman and the work began on what turned out to be the most successful ball in the memory of the faculty and students. Instead of barely breaking even on the dance as in previous years, a net profit of \$190 was realized.

An annual tug-of-war between the foresters and the aggies was initiated this year as a means of advertising the Foresters' Ball. It was thought that this would be a good

place for the high spirited boys of the timber to let off a little steam. A challenge was issued to the Aggies through the *Argonaut* for a tug-of-war with the conditions that: the middle of the rope would be directly over a substantial pile of animal by-product (to be furnished by the Aggies), and the officers of the club would be first in line. The loser of the tug agreed to present the president of the winning club the traveling trophy, which was made by the foresters and took the shape of an implement never before seen by man — a manure fork on the end of a double bitted ax. The loser's fate also included the cleaning up of the winner's ball. Needless to say the foresters had some help with the clean up this year. It must be admitted that the Aggies put up a good fight and the pull was not won by the foresters until one rope snapped and the forestry club president got well acquainted with the . . . pile.

Another new function of the Associated Foresters this year was a publication issued monthly. Don McManomon and Ralph Kizer acted as co-editors for "The Rigg'n", which proved to be a successful media of opinions, announcements, jokes and information pertaining to forestry.

Forestry Week, sponsored by the Associated Foresters, celebrated its 15th anniversary and April 18 through the 24th was proclaimed by Governor Jordan as Idaho's Forestry Week. Lawrence Smith acted as general chairman and through the work of himself and his committees a very successful week took place. The week was climaxed by the annual Foresters' banquet with Charles S. Cowan as guest speaker.

Meetings during the year were announced by cartooned posters, drawn by Dewey Almas, and by a new flag flying from the entrance of the forestry building. Mrs. Stanley Jepson made the flag, with the Idaho "I" on a fir tree background, for the Associated Foresters.

(Continued on page 44)

1953 STEAK FRY

by CHARLIE OHS



The annual steak fry of the Associated Foresters got under way this year at Meadow Creek on Saturday, October 10th. The weather was the typical Moscow overcast. The first carload of Paul Bunyans arrived shortly after 12:00, and pretty soon the show was on the road. For all good estimates, about 125 attended this annual function.

First on the program was the chow. Thick juicy steaks filled many a hungry belly, served along with baked beans, potato salad, and coffee. For dessert there seemed to be plenty of ice cream for everyone, and I believe Professor Seale really stocked up and increased his waistline by several inches. Our hats off to the boys who handled the chow and a good job to see that everyone had enough. I don't believe anyone went away hungry; if he did it was his own fault.

After chow the contests got underway. First to start the list of events and to get everyone warmed up was a three-legged race between the classes. The freshmen came out on top with Barker and Paul, and the juniors second with Olson and "Greek" Emmons. Next on the agenda were the sawing and pacing contests. Many a muscle was strain-

ed by the sawyers trying to pull each other through the log. Andraitis and Riecken finished with the best time of 46 seconds, and the other times ranged all the way up to 1 min. 50 sec. The pacing contest was won by Speth this year.

While these events were going on, quite a few people were warming up those big brown wads of Beechnut in anticipation of the tobacco spitting contest. Let's hope that no one got sick and that didn't stain too many chins. This year's spit was for accuracy and not for distance. Howard Stolaas finished in first place only because Professor Sharp wasn't eligible; Sharp, standing at 20 paces, hit the target on the nose. You can tell what Lee does during the summer down on those sheep ranges.

The pole climbing contest was won by Andraitis with a total time of 18 seconds. Last place went to Bob Oehmcke with a time of 1 minute 35½ seconds. Bob couldn't seem to get down; next year we'll try greasing the pole which should cure situations like this.

Pole felling was won by the senior class, which only goes to show that the seniors finally win out.

In the log chopping division many an axe strained and many a forester puffed as the logs were hacked through. Again Andraitis took top honors. A new system was worked out this year by our statistician as to who got the big end and who got the small end of the log.

During this fracas Dr. Dalke walked up the road and shot himself a bobcat, which should make a pretty good rug.



to be well trained for this event and walked off with top honors, with Dewey Almas and Roy Verner placing second and third respectively. That water looked pretty cold, boys, how about it? After the birling was over it was completely dark and time to head back to town. A few people didn't quite get back to Moscow for a while, and it is said that Joe Helle and Charlie Ohs were found doing a rollicking polka at Ben's Tavern about 11:00 o'clock that night.

This year Art Andraitis was top all-around man with Hugo Riecken and Dewey Almas sharing 2nd and 3rd place honors. All in all, the steak fry this year was one of the best; everyone seemed to enjoy himself. As chairman of this year's affair, I want to take my hat off to all those who pitched in and made the 1953 steak fry a very successful one.

XI SIGMA PI

by BOB MCALISTER

Idaho's chapter of Xi Sigma Pi was established way back in 1920. At present there are 42 active members and 1 honorary member here in the Epsilon chapter.

Xi Sigma Pi has held its usual functions by holding two steak fries and initiations at the Flat Creek cabin on the University forest the past year. Initiated in the spring semester of 1953 were Joe Helle, Jim Keating, Dave Parsons, Bob McAlister, Harry Brizee, Sa-ard Boonkird, Al Curtis, Ed Wiggins, Burt McConnel, and Chuck Witt.

Next, everybody stepped down to Meadow Creek for the annual tug o' war between classes. It was quite a wet event this year. The freshmen with their superior strength had no trouble taking the sophomores through the muddy water. By the way, a few of the instructors had their pants off and were pulling for the sophs, who were short on manpower—they got pulled in along with the sophs. The seniors beat the juniors. Now the big question was, could the freshmen beat the mighty seniors? Well, to my dissatisfaction they did, and the frosh did a good job on the tug of war. It must be that they have too many boys from North Dakota; that cold weather back there makes them rough.

By this time it was getting pretty dark, and we still had the birling contest to go. Rod Hoioos seemed

The initiation and steak fry was a great success. Although we encountered some very muddy roads that prevented the passage of wheeled vehicles of any sort; (we know—we tried) the neophytes had to carry all the paraphernalia, such as plates, cups, metal trays, griddles, and chow up to the cabin by human pack train. Of course they also had to pack them out after the ceremony.

At the spring elections Art Andraitis was elected Forester replacing William Gleaves. Other officers elected were: Harry Brizee, Associate Forester; Dave Parsons, Secretary-fiscal Agent; and Sa-ard Boonkird, Ranger.

At the 1953 annual spring banquet, Roger Bay was presented with the Outstanding Senior award as the senior showing promise of attaining high achievement in the profession of forestry.

At the fall steak fry, three more outstanding foresters were initiated into the fraternity: Bill Wallace, Bruce Ottenfeld, and Bernard Lenz. Later, in the spring semester the

following men were initiated by holding the traditional steak fry out at the Flat Creek cabin. Those neophytes preparing the last supper for the year were: Stan Jeppson, Carl Goebel, Forrest Twitchell, Bob Dudley, Ray Miller, Jim Barnett, John Sullivan, Chuck Hodges, and Ray Strauss.

The chapter chose Joe Helle as the outstanding Senior for the school year 1953-54 in recognition of his outstanding work in forestry. The award was made by Art Andraitis at the annual banquet April 24.

In our fall meetings it was decided that Xi Sigma Pi; in addition to their present activities would increase their projects during the coming years. A committee was appointed to decide on what projects could be undertaken by the fraternity in future years. Next year we hope to begin work on a project of revamping the Forestry Reading room in order that forestry students will have a more pleasant place to study and where forestry reference papers will be readily available.

FORESTRY WEEK 1954

By

LAWRENCE SMITH

This marked the Associated Foresters' fifteenth annual state wide Forestry Week. Originally started in 1939, Forestry Week was conducted as a campus function that year; then in 1940 it was decided to enlarge the programs to include the whole state of Idaho. Through the larger program it has been possible to direct attention to forestry, in its various phases, as one of the leading industries of the State of Idaho. The program is designed to help the people of the state understand and appreciate the aims and objectives of good forestry practices. "Forestry" practices mean not only Forest Management, but also Range Management, Wildlife Management,

Wood Utilization, and Fisheries Management. All of these options are included in the curriculum at the College of Forestry, and we can't emphasize enough the importance of each field to the State's various industries.

Again this year we received the cooperation of Governor Jordan when he issued a proclamation setting the week of April 18 through 24 as Idaho State Forestry Week. We wish to express our appreciation for this support.

The Youth Project Program that was carried on last year has been going through a reconstruction period and no contest was conducted

this year; however plans are being made to re-open the project next year with a state wide contest for the young people of the State of Idaho. The contest will be open for all boys of high school age and under. Prizes will be awarded to the winners at the annual Foresters' Banquet during 1955.

In order to bring the forestry ideas before as many people as possible, an extensive publicity program was put into effect with cooperation from the Idaho *Argonaut* and the University radio department. Press releases were sent to all of the newspapers in the state and the Spokane area. Radio programs and numerous spot announcements were broadcast over radio stations throughout the state.

Various organizations, including the United States Forest Service, the Idaho State Department of Forestry, the State Fire Wardens, and private industries, helped us a great deal by giving talks to local groups, setting up displays, and generally assisting us in reaching a greater number of people with our program.

During the week there were campus activities to emphasize forestry. Displays were set up in both the Forestry Building and in the Administration Building, and the local businessmen cooperated by allowing us to use some of their show windows for displays. The traditional faculty-student baseball game was carried on, in great style, adding to the campus activities.

Another activity this year was the Society of American Foresters' meeting on the morning of April 24. Idaho and Washington State College were joint hosts for this meeting and I'm sure that it was a very informative meeting for all

who attended. We would like to see this continued as an annual affair, if it could be arranged.

Climaxing Forestry Week was the annual Foresters' Banquet on Saturday evening, April 24, in the main ballroom of the Student Union Building. The main speaker this year was Charles S. Cowan, Manager of the Washington Forest Fire Association. Bob McAlister was Master of Ceremonies, with entertainment being provided by Merle Craner. Many thanks go to Merle, an Education major, for contributing his time and talent to the program.

This then was Forestry Week, 1954; a concentrated effort by our future foresters to pave the way for conservation and better utilization of our forest, range, and wildlife resources, with greatest emphasis being placed on reaching the young people of the state where we can make a lasting impression of the need for an expanding state forestry program. These young people are going to grow up to be our future civic and industrial leaders, and by informing them of the importance of sound forestry practices and the problems involved, we hope they will better understand the nature of forestry.

The success of Forestry Week was made possible only through the unselfish cooperation of the various committee chairmen. I wish to extend sincere thanks to Bob Carlman, radio publicity; Ralph Kizer, newspaper publicity; Al Lewis, displays; Denny Goddard, banquet; Larry Elfering, high school contact; Frank Varseveld, youth project; Sherman Finch, faculty-student ball game; and to the many others who participated in the Forestry Week program.

FORESTERS' BALL

By

RALPH D. KIZER



The 1954 Foresters' Ball was enough to turn the heart of the most die-hard antisocial. Was it a success? Last year the dance netted some \$30; in years before, the Foresters came out in the red; but this year the Associated Foresters feel proud of a \$190 gain and can boast of having the best dance on the campus in 1954.

Bob Emmons, chairman of the dance committee, started working early with his committee members, and as a result the campus was hit hard with a great deal of favorable publicity.

Probably the most spectacular publicity stunt was a tug-of-war between the Foresters and the Aggies which was made even more spectacular when the sodbusters were pulled through a stinking pile of barnyard manure. About seventy farmers came out smelling not quite like a rose; whereas Joe Helle, President of the Associated Foresters and first on the rope, merely got a shoe full.

A figurative stink arose when the Aggies claimed that the Foresters supplied inadequate rope. The first line, a $\frac{3}{4}$ -in. rope, broke after the first few tugs. The line parted in the hands of Joe Helle making

him utter a few choice remarks under his breath at his stinging hands. This mishap was passed off, and the pieces of rope were tied on the ends of a 4-inch hawser. The contest was started again; and, just when things started to look ominous for the Foresters, the farmers' knot in the rope section which the Aggies had added came untied. By-standers said that this made the sides more nearly equal and; it was under these circumstances that the Aggies, slowly at first, came mucking through the manure.

A crowd of several hundred students stood on the Ad Lawn, in response to previous newspaper publicity of name-calling and general libelous attacks of challenges and acceptances, to witness the joust. By agreement the loser had to clean the Student Union Building ballrooms after the Foresters' Ball and to present the Foresters with a trophy, a hickory handle with an axe-head on one end and the tines of a pitchfork on the other. A decision by the Ag Club and the Associated Foresters was made to hold the tug-of-war annually for the purpose of publicizing the dances of the two clubs. A plaque hanging from the handle of the trophy designates the yearly winner.

Potential dance customers again were made aware of the Foresters' publicity efforts during some of the Idaho basketball games. A section was roped off for the Foresters who came dressed in their logging garb. A banner advertising the Foresters' Ball was displayed in back of the section, and it was generally agreed that the Foresters attracted attention.

Bill Wallace, who had charge of the Foresters' raz-ma-taz publicity band, took his "musicians" into the SUB coffee shop on crowded afternoons to "entertain" potential dance comers. The band came close to offending someone when one coffee-drinker objected to a black negligee which somehow got stuffed down Dewey Alma's tuba.

In addition to the above-mentioned publicity, all Foresters wore backwoods dress for the week prior to the dance. The faculty got in step with the idea and donned their plaid shirts, hard hats, and what-not. Those students who did not abide by the "dress-down" rule were subject to confinement in a haywire hoosegow placed in front of the Forestry Building and tended by Cop Ward T. Brookwell. Newspaper articles in the *Argonaut* kept the campus aware of the purpose of the Foresters' antics.



And the publicity paid off! More than 300 couples attended to the wide variety of music presented by Al Reeves and his orchestra from Cheney. Charlie Ohs, ticket manager, said that the ducats sold as if the gate were a land office dealing in pancakes.

The main ballroom was decorated by the Forest Management boys with Don McManamon and Jack Olson heading up the work that resulted in a beautiful array of trees and boughs. A booth in one corner of the room held a display of a complete logging operation.

The North ballroom resembled a typical range site complete with sagebrush and a herdsman's camp. The room was given an additional air by the presence of a couple of sheep which rangemen Forrest Twitchell and Joe Helle included in the sheep-camp display.

The South ballroom was decorated by the Wildlife, Wood Utilization,

and Fisheries students. The displays at this end of the building were assembled by Dave Parsons, Roy Verner, and Bill Charke.

During the intermission Mrs. Bill Wallace gave her interpretation of "The Frozen Logger" while the Foresterettes, a club of Forestry students' wives, pantomimed. Those taking part were Mrs. John Meschko, Mrs. Forrest Twitchell, Mrs. Stan Jepson, Mrs. Rupert Andrews, Mrs. Al Greices, and Mrs. James Keating.

The SUB's Dipper was a main attraction at the dance—it was made up as a replica of a barroom. Art Andraitis, saloon manager, made up the Dipper complete with swinging doors, a painting of a nude, a tincan piano, and barroom musician Bill Exworthy, a picturesque adornment in his own right. Rinky-tink music, whoops and hollers, and the clink of glasses from the honky-tonk lured many couples into the dark, smoke-filled saloon.

Back out in the forested ballrooms the dancing got a little "jivey" at times and opened a long crack in the ceiling of the coffee shop below. Student Union Manager Jim Bowlby, naturally concerned over the fate of the SUB, put a stop to the "bunny-hop" style of music.



Thanks to a well coordinated dance committee with Bob Emmons as chairman; and thanks to the cooperative efforts of the members of the Associated Foresters, the Foresters Ball, 1954, was the best one yet.

VISITING ALUMNI

By

CARL J. GOEBEL

"Be it ever so humble"

One of the greatest and most essential attributes a man acquires during his comparatively short stay on our earth is "pride." Pride in his achievements, pride in winning a rope-pulling contest, pride in his first "black eye," pride in his faith, in his possessions, in his school. It is noteworthy to see how many individuals return to the old alma mater, to walk the same paths they once transversed with troubled minds filled with math, chemistry, soils and biometry. Surely, here is one of the greatest "prides" of mankind. Pride and undeniable belief in information gathered, collected, and worked for at "my school."

This year we were fortunate enough to greet many of our alumni back for short but very welcome visits. We regret that we were unable to acquire the names of all the visiting alumni but rest assured that with continued visits we'll soon catch on to your names. Following is our list of visiting alumni of 1953-54.

HOWARD HEINER dropped in for a rapid visit. Howard is now stationed at Dwight Field in Dayton, Ohio after serving as an Air Force jet fighter pilot in Korea.

The Bureau of Land Management was well represented with the appearance of MAX LIEURANCE of the regional office at Portland, Oregon, and CLARK NOBLE of Burley, Idaho.

Other public officers were represented by DOUG HOLE of the Soil Conservation Service at Lewiston, and BILL SCRIBNER of the State Tax Commission.

Dr. T. S. BUCHANAN came over and brought some very interesting and important reports on his work in Liberia, Africa.

We even received members of other educational institutions namely CHARLES POULTON of Oregon

State College and JAMES MOOMAW, who is now doing work on his doctorate degree at Washington State College.

ELMER SKJEIE stopped over for a few hours on his way to California where he is taking a new job with the Geological Survey. ELMER was previously employed with the U. S. Forest Service in Alaska.

ED WIGGINS and DEL JAQUISH looked none too happy on their visit to the university, both enroute to take up their appropriate duties with Uncle Sam's Army.

From time to time LONNIE (EDGAR) WILLIAMS, Assistant County Agent in Forestry paid many social and business calls to the faculty and students.

EARL RITZHEIMER, Logging Superintendent of the Bovill side for Potlatch Forests Inc. stopped by to give a talk on winter logging to the Associated Foresters.

HOBBIE BONNETT, 2d Lt., U. S. Army was here for a few days while in transit from Fort Benning, Georgia to Fort Lewis, Washington where he is stationed with the 44th Infantry Division.

Other visitors of the past year included ROGER GUERNSEY, DONALD R. MARTIN, and TOM MCGILL.

FORESTERETTES

by ALICE MESCHKO

As *The Idaho Forester* went to press last spring, the Foresterettes were still engaged in a whirl of activities.

We were "rained out" for our annual senior picnic, but with a quick switch of plans it was held at the Methodist Church. Despite the switch attendance was very good with everybody bringing their children. After dinner entertainment was furnished when the "future foresters" - 1970 vintage - engaged in a gigantic "free-for-all".

September found the Foresterettes engaged in selecting officers for

the coming semester. Our new president became Gen Andrews; with Norma Larsen being elected to vice president; Deloris Keating, Secretary; Suzy Enyeart, Treasurer; Jane Balser, Goodwill Chairman; and Alice Meschko, Historian.

Among the first of the social activities of the new semester was the annual Halloween masquerade to which faculty members and their wives were invited. Everyone had quite a hilarious time when the men who were casting sly glances at a beautiful "blonde" were confronted by Dean Wohletz emerging from under his disguise. Gen and Rupert Andrews won first prize dressed as

a nurse and doctor complete with gory uniforms and a "tool kit" of surgical instruments. Some lively square dancing followed, with all sets becoming hopelessly tangled. There was bobbing for apples, which were flying wildly as the girls had to work with hubby in a "catch as catch can" contest.

February ushered in a new semester and a new slate of officers. Coming into office were Alice Meschko, President; Betty Twitchell, Vice President; Ruth Jepsen, Secretary; Sharon Speedy, Treasurer; Mickey Wallace, Goodwill Chairman; and Alice Meschko, Historian.

SUMMER CAMP

by LARRY ELFERING



A guy gets used to having three months off from the throes of education every year. It's kind of a blow to turn around at once and start in again.

As last spring semester neared an end the summer camp brass began to wonder whether the prearrangements would ever take shape. The worriers were Bob Seale, camp director; Bob Emmons, kitchen manager; and Bill Wallace, Bob Speedy, and Jack Olson—executive board members.

As is always the case, those ar-

rangements were taken care of, and the trip to McCall started on the night of June 9. The rest straggled in the next morning, having started at 5:00 A.M. It seems that our camp was blessed with unusual arrival weather—the sun was shining! Since there was no need to hurry, it took a full day to set up camp.

The next day and a half was given over to becoming oriented with the environment. A beaver dam had to be blasted—the explosive fizzled. Funny, but on Saturday nights everyone went to the quiet

town of McCall for a release from the routine. This Saturday night was a delayed night of celebration called for by the completion of finals. Unfortunately, the town was not yet ready for mass attack, but both foresters and towns people recuperated.

On the first day of surveying only one problem seemed to bother anyone; the transit-tape traverse. Nearly everyone did it at least twice. Some even cursed their way through a third traverse. Even the most productive crew bogged down in the calculations, and this could be evidenced any night and every night in some tents by the proverbial "burning the candle at both ends." Prof. Sargeant indeed deserved much more credit than many of us gave him. His continual postponement of calculation data allowed all to finish them satisfactorily. Next year's camp will miss him.



Forest Mensuration quickly put the boys neck deep in volumes and volume tables. One case study was encountered at Brown's sawmill. During the orientation the camp had visited the mill just for observation. Now a more definite purpose was in mind: a mill tally. Does anyone know, by chance, how to cut a 20-ft. long 2x4 out of a 16-ft. log?

Doc Deters dropped in for a few days to help with scaling, and before long the class was hidden behind heat waves and dust clouds at Tamarack landing. Under Doc's guidance growth studies were made on timber



stands; but Bill Charke, Forrest Twitchell, and Tom Vars must have had a dull bit, for they couldn't get the increment bores to come out whole. I say, old chaps, do your mothers know you swear?

The location of the camp on Lake Payette allows swimming at the camp at any time. After numerous failing attempts to repair the camp's rubber boat, a raft was built to take its place. An anchor was found, and as the supper bell rang, Bob Carlman and Vince Strobel pushed it out with Ray Miller and Ed Kautz going along for the ride. Telling Miller and Kautz to drop anchor, Carlman and Strobel swam back to shore, leaving the only two fellows who didn't know how to swim, on the raft. A near tragedy was averted when Carlman and Strobel swam out to bring them in. Need it be said that both tried to learn to swim before the summer was over.

Lee Sharp happened along one afternoon, and the next morning (early, but not so bright) the class was scanning the ground trying to identify plants. Quickly following this were studies on bare rock succession and use of the point-step method for estimation of ground cover. Ken Hungerford handled the zonation and fire-succession studies. Bill Ferrell handled the study of soil development, and Virgil Pratt presented a knowledge of fishery practices.

After learning that the instruct-

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Feature Articles

—photo by Dewey Almas



HABITAT MANIPULATION FOR BIG GAME MANAGEMENT

By

ROBERT L. CASEBEER, *Habitat Improvement Leader*
Idaho Fish and Game Department

The State of Idaho is still in the enviable position, along with a few other western states, of producing a variety of big game species in fairly large numbers for hunter harvest. This is a big business that requires all the resourceful management tools available. In 1953, Idaho hunters harvested over 28,000 deer, 9,000 elk, 1,200 antelope, 91 moose, 18 bighorn sheep and 13 mountain goats. To sustain the numbers and variety of this it is necessary to protect and maintain the resource upon which it is dependent—the range. The range most critical in the production of big game is that used during the winter period where browse plants are the main source of forage.

The productivity, and therefor



Willow in 1934 Burn in the North Fork of the Clearwater River. Has grown out of reach of game animals.

the carrying capacity, of browse ranges is dependent upon the vigor and composition of the stand. Plant succession is constantly occurring. Fire, logging, infestations, climate, and use by game or livestock alter the direction of succession, sometimes for the good of game and sometimes to its detriment.

In an effort to inventory the range resources being used by game in Idaho and to evaluate its condition a general study was made by the Idaho Fish and Game Department. It indicated that of 39 geographical big game management units covering the entire state, 25 have areas critical for maintenance of existing deer herds while 14 units have areas critical for sustaining existing elk herds. Big game managers are faced with some of the concerns in the management of these critical areas so as to put big game production on a sustained basis and to be in harmony with soil and water conservation and with the land use economy of the area.

It is first necessary to classify all lands as to the type of use to be made of them. The primary use may be watershed protection, recreation, production of timber, domestic livestock, wildlife, or any combination of these. If wildlife in the form of big game can be produced, then it will be necessary to know whether the best potential of the area is for a particular species, or for a combination of species; for what period of time they can be supported; and in what concentration. Next must come the action program of manipulating the habitat so as to produce the maximum potentials of

feed and game consistent with the land use pattern.

Manipulation of the habitat should be the ultimate phase of big game management so as to get maximum sustained production for any given piece of land. It should supersede the mere control of animal numbers based on the current production of available feed. To obtain the maximum production on a parcel of land requires the collective use of any number of management tools so as to bring out the best there is in the land indefinitely. Some tools which we know can be used are fire,

search nature must first be done to measure the results of past burns so that managers may be able to predict what will occur from any controlled burning efforts. A sizeable program has been built up for the prevention and control of forest fires. This program cannot be depreciated in the promotion of game winter range. It will be necessary to make use of information available from the past accidental burns as facts which can be used in predicting what can be obtained from controlled burning. As this information becomes available managers may be



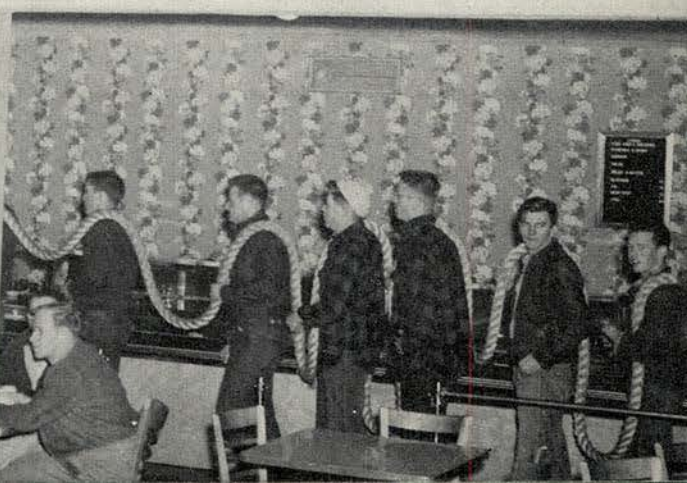
Planting bitterbrush seed on depleted winter ranges of the Salmon, Boise and Payette Rivers.

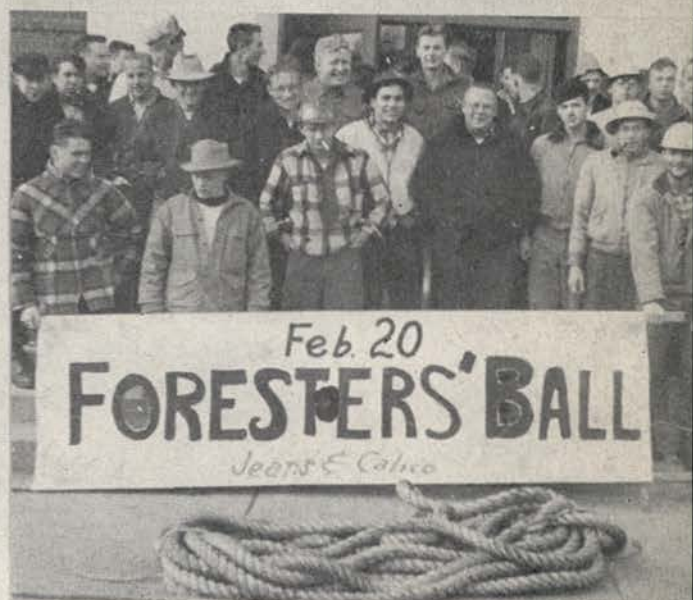
logging, revegetation, and, of great importance, the control of animal use. Others which may have possibilities are the use of control sprays or fertilizers and the improvement of available water.

In the timbered portions of North and Central Idaho many of the principal big game winter ranges occur on burned over sites, usually quite extensive in size. It is apparent to many observers that the proper use of burning under controlled conditions might well supply additional winter ranges. More work of re-

able to use fire as one tool for assuring a rotation of winter range areas over many years in the future.

A good example of browse succession after fire is found in many portions of the Clearwater drainage. The large fires of 1919, 1931, and 1934 have created large brush fields of palatable browse species for elk. Natural growth and succession has caused the production of available browse to continue to build up through about 1945, and then deteriorate. The elk herd built up in numbers to a peak in about 1947

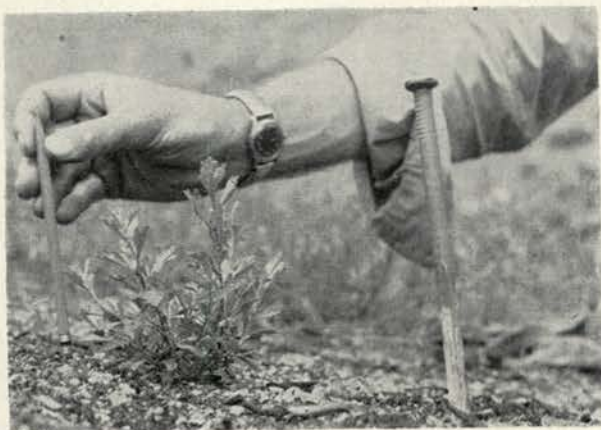




and then followed the available browse in starting on a gradual decline. Some measures must be taken for manipulating the future production of browse in the Clearwater drainage if the elk numbers which are still present there are to be maintained.

Regulated logging for browse production and big game management is not quite as drastic, is a little more complicated to effect, but certainly is an effective tool which game managers must use to realize the maximum production of an area. Recent studies on logged off Douglas fir — nine bark associations of the Coeur d'Alene Forest show a sharp increase in the available browse production up to about 17 years after logging. After that there was a gradual decline in production up to 50 years after logging, at which time

of usable browse may be hastened or actually initiated by revegetation. In the more moist timbered portions of Idaho the natural return of browse into treated areas is fast enough so that artificial revegetation is seldom justified. However, on many of the more arid regions of southern and eastern Idaho browse production has been curtailed by one of the above treatments and natural regeneration is decidedly slow and often not noticeable. Artificial revegetation is often demanded to protect the soil and restore the range to its maximum production. Artificial propagation of browse species on these arid ranges is a relatively new desire and the possibility of successfully accomplishing it cannot yet be accurately predicted. Cooperative efforts of the Intermountain Forest and Range Experiment Station and



Bitterbrush seedlings from fall planted seed following summer burn.

production was nearly the same as before logging occurred. Again, manipulation of the logging pattern on potential game winter ranges can furnish some assurance of sustaining future game herds.

Whether a potential winter game range is logged, burned, over-grazed, or destroyed by insects, there are many instances where the production

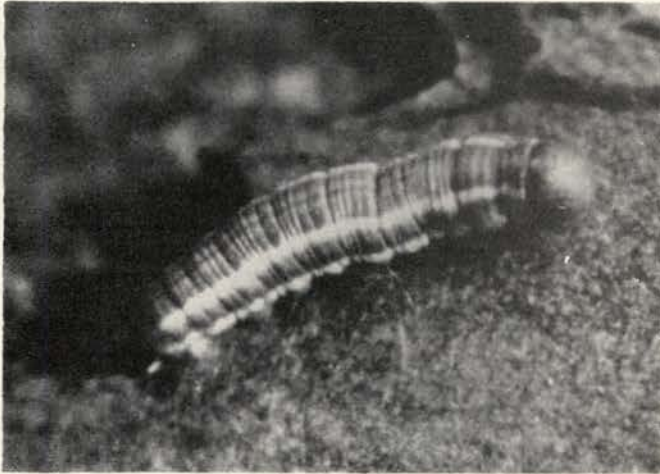
the Idaho Fish and Game Department are bringing out strong possibilities of revegetating bitterbrush on the loose granitic soils of South and West Idaho. More detailed study and investigation is still needed before field scale plantings can be undertaken.

One of the most effective manipu-

(Continued on page 42)

SOUTHERN IDAHO'S TIMBER MANAGEMENT PROBLEM

by DAVID B. HUNTER &
VERNON GURNSEY; foresters
Boise Payette Lumber Company



The forests of the western United States are beset with a management problem peculiar to their age structure. In these forests there are vast areas of mature and overmature timber, that do not exist in as large a proportion in other parts of the country.

Southern Idaho has, perhaps, more than its share of these overmature stands, which carry with them management problems; certain aspects of which are peculiar to overripe forests.

Forest managers are always concerned with the control of insects and disease, but in the old virgin forests the problem is more acute than in well regulated, second growth forests. The reasons are several. The old trees are no longer vigorous enough to repel attacks of insects and disease, hence any outbreak easily can become epidemic. When it does, a greater amount of timber is affected because of a dis-

proportionate distribution of the mature timber.

In the virgin forests the damage must be appraised in terms of the immediate realization value of the timber. Since a second growth forest of comparable size would not have as much presently merchantable timber, the damage would not be as great in terms of loggable trees. Even if a comparable area of the second growth forest were infected with tree killing diseases the damage would be represented by the discounted future value of the timber and could not equal the present value of a mature stand.

This situation is responsible for the big problems of the manager of virgin forests in which the high value timber has been killed or threatened by disease and insects. The money invested in the killed timber must be saved or salvaged by getting as much of it to market as possible before it deteriorates,

and the money invested in the threatened timber must be protected by a control program for the offending agents.

The harvesting plan for a well regulated second growth forest will usually take care of the salvage program automatically without an appreciable increase in cut or drastic changes in location.

Then, too, control for the threatened area is not as pressing, for they are not likely to become epidemically infected. If they do, the immediate value is not as great and the future value is not reduced as much because of a stand's tendency to return to normality.

Southern Idaho's foresters, being well aware of all these things, were tending their forests with their fingers crossed. Regulation was be-



ing achieved in the approved manner. The cut was balanced by growth, but mature timber can be carried just so long, then something begins to happen.

The pine butterfly (*Neophosia menapia*) and spruce budworm (*Choristoneura fumiferana*) had

been increasing their numbers for several years, but in the summer of 1953 it became evident that epidemic proportions had been reached by both insects. According to aerial surveys, the pine butterfly had infested 169,000 acres and the spruce budworm had invaded 197,500 acres.

The pine butterfly is by far the more destructive of these two pests. The larvae of this insect eat both old and new needles and can cause complete defoliation resulting in immediate death of the tree. The loss caused by the pine butterfly is greater also because it attacks only pine trees.

By contrast the spruce budworm requires several years to cause the death of a tree, for it eats only the new growth. It also confines most of its depredations to the mixed species which are of lesser value than ponderosa pine. However, the spruce budworm has already reached the final stage of the killing process. It is now too late to hope that a natural enemy will stop the budworm. One more season will bring about a heavy kill in the infested area.

Using the best survey techniques available, an evaluation was made of the stumpage involved. For the pine butterfly this amounted to \$33,040,000. The figure for the timber killed and threatened by the spruce budworm was \$7,068,000.

The size of these figures indicated that these insects and the damage they caused would have to be given recognition in the management of the forests. The two measures necessary for the control of these pests represent the special problem of the managers of forests which are composed predominately of overmature trees.

Management step number one for such a situation is spraying to prevent the spread of the infestation, and step number two is an access road plan to make possible the salvage of the killed timber. Both of these plans represent quite a devia-

tion from normal procedure, hence they call for emergency action.

Until the present emergency Southern Idaho's timber assets were at least storage on the stump and some were compounding their value annually with a good growth rate. But now they were being destroyed, as surely as if by fire, and even a liquidation value would be the best that could be hoped.

In order to provide the necessary action the forest managers formed the Southern Idaho Pest Action Council. The council and sub-committees of the Council made a thorough study of the two proposals. They gathered all the facts concerning costs and values involved and incorporated them into two plans, one for spraying the pine butterfly and spruce budworm, and the other for access roads. These were printed in pamphlet form for distribution to congressional committees who would help decide if federal appropriation would be made. They were also made available to anyone interested in the problem.

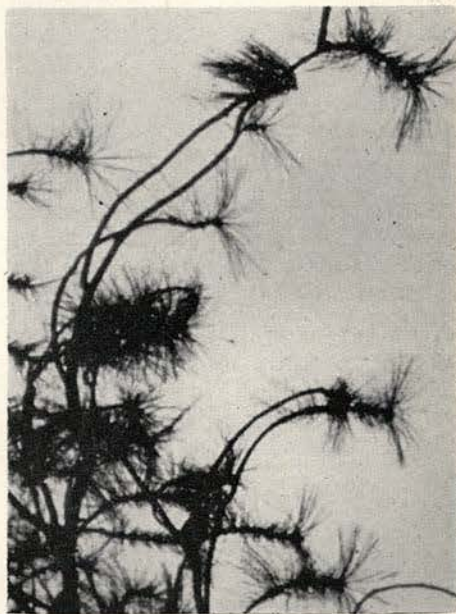
Both of these plans involve high initial costs and were not without economic risk. But professional foresters calculated this risk and decided that the values involved justified taking the proposed steps.

Money put into spraying insects is almost always a high risk investment for there is the possibility that the results will not be as effective as planned. If this were the case, a great deal of money would have been spent to no avail. It is to prevent this from occurring that funds for spraying must always include an amount to provide for checking during the spraying to determine its effectiveness.

This checking is done by ground crews who determine such things as spray coverage, percentage of kill, and the need for additional control work to protect the effectiveness of the work already done.

The plan for access roads may seem to involve only investment of money from which a direct return

with interest could be expected. This is not the case, however. In order to save the killed timber from complete loss a larger than normal cut is necessary. Even if the normal cut (balanced by growth) were made in the infested area, it would not be large enough to save Idaho's timber assets. Thus a cut large enough to save the killed timber may be more than the industry of the area can economically absorb. This is further complicated by the fact that the two insects kill all species and put a large amount of less easily sold lumber on the market. Industry may be able to absorb this increased cut nicely and sales programs may take care of the less desirable species, but only time will tell. Until then, the forest manager must look upon the access road plan as an investment risk with implications that may result in over-all loss instead of gain. However, the loss that could result would be small compared to the loss that the country would suffer if a natural resource were allowed to dwindle away without being used. And this fact was given considerable weight by the men who calculated the risk involved in the management of Southern Idaho's virgin forests.



In Memoriam



Lloyd A. Fenn, one of the first three men to receive a B.S. degree in forestry at the University of Idaho, passed away in 1953. His death marked the end of a long, eventful life.

After graduating from the University of Idaho in 1911, he worked as a forest ranger for the next five years. He then enrolled at Montana State University to study law, graduating with an LL.B. in 1917.

Until 1919, he practiced law in Chico, California, and then returned to Kooskia to publish the weekly newspaper, *The Kooskia Mountaineer*. While in Kooskia he became the superintendent of Kooskia schools later teaching physics and mathematics.

For ten years Mr. Fenn served as a representative in the Idaho State Legislature. In 1938 and in 1943 he served as chief clerk in the House of Representatives. At the time of his death, which was attributed to arteriosclerosis, he was a member of the Idaho State tax commission.

Mr. Fenn was active in many

civic affairs and had a keen interest in young people. The State of Idaho can well appreciate the contributions of Lloyd A. Fenn.

HABITAT MANIPULATION FOR BIG GAME MANAGEMENT

(Continued from page 38)

lations of much of our present habitat so as to obtain more nearly the potential of the areas is by the control of animals using the range, whether they be domestic livestock or big game species. The history of use by all classes of stock on many Idaho ranges has too often been that of over-stocking and over-use. Adjustments have gradually been made in both livestock and game use to more nearly meet carrying capacities, but much damage has already been done. Livestock numbers on some public ranges have been adjusted so as to encourage an upward trend in range condition. However, too many of our ranges are still stocked to the degree that the existing unsatisfactory conditions are remaining static or continuing to deteriorate. Adjustments which would produce healthier ranges would produce healthier herds, and ranges are not healthy if they are not producing the sustained potential crop of vegetation.

Time, effort, study and experience are bringing game managers closer to obtaining the fact upon which to base long range big game management programs of the type that will assure future generations some good hunting of good animals on good ranges. The large number of areas defined as critical in big game management now should gradually disappear in favor of properly stocked ranges producing healthy herds as a part of a well-balanced land use program. We can obtain this only when more facts are available on how, when, and where to effectively manipulate those environmental factors controlling game production.

SUMMER CAMP

(Continued from page 32)

ors would not give weekend assignments "Climbing Willie" Charke could be found going from tent to tent looking for someone to take him to Slick Rock or some other place where he could satisfy his adventuresome spirit. On one such occasion Howard Stolaas drove Charke, Dick Huff, and Carl Goebel out to Slick Rock having decided that he should learn the fundamentals of mountain climbing. At the moment when he was about halfway up the side, Stolaas realized that his adventuresome spirit had gone down the mountain right alongside a falling rock. Smoking at the bottom to calm his shaking legs, Stolaas waited for the rest to come down. To each his own, huh, Howard?

Ah, the 4th of July, a two-day celebration which McCall and the foresters had been waiting for. John Meschko, John Speth, Bruce Ottenfeld, Pat Clason, Dick Elicker, and Al Lewis decided to go fishing. What a sad mistake. Not only did they catch no fish, but they didn't even find the lake. After they had tramped through the snow, fallen into creeks, and turned the air blue for a day, they came back to camp in time for the fireworks display and a few other incidentals in McCall.

Jack Olson and Bruce Ottenfeld while on one of their local excursions "discovered" a partially felled pine tree. Being businessmen with an eye to the future the lads immediately recognized a golden opportunity. Rushing to the Director of Camp Ponderosa they proceeded to convince him that his tree was about finished and should be promptly salvaged. The man finally broke down under this pressure and consented to the salvaging of his tree. After much sweating, grunting, and swearing the tree was felled, sawed into logs and floated to the mill where funds were secured for our celebration.

Before final arrangements could be made for the party, our Forest

Service buddies informed Bob Seale that men were needed for fireline duty. At 4:30 the next morning, after Ma Morris had fixed breakfast, half the camp left by plane for Big Creek; the rest following in two hours. After assembling at the foot of the trail we started on our twenty mile stroll. Many ridges and hours later we reached the fire in time to finish the mopping up job. Early the following morning all but the more avid sackhounds were hustled out of the sack by a supply plane dropping supplies randomly throughout the area. Having earned most of their loot the mob headed back down the mountain toward Mackay Bar and then to McCall via Warren. However the "short-cut" proved to be not too short and by the time the last straggler stumbled out of the brush the boys were eager to revive their spirits at the postponed picnic.

Timber cruising was taught the last week of camp. All the previously made elevation determinations were put on the chopping block and of course no one agreed on the lake's elevation. However, after a few conferences, compromises, and considerable debate the maps were finally put together resulting in a master map of the peninsula.

The last day found the camp bustling with preparations for departing and within two hours the last pack had been finished, leaving only the final to be completed. With the completion of the final, Summer Camp was officially over and the boys headed out for a few badly needed weeks of work and relaxation before school started again.

Even though things seemed a little rough at times, as we look back we remember swimming in the lake, fishing trips, and those nights in town when we relaxed and forgot about studies. We also remember with appreciation our instructors, Bob Seale, Charles Sargent, "Doc" Deters, Lee Sharp, Ken Hungerford, Virgil Pratt, and Bill Ferrell who had to put up with all our shenanigans.

Forestry Building

by

HARRY BRIZEE



To keep pace with the other changes that have taken place in the College of Forestry, the Forestry building has undergone many improvements during the past year. Perhaps the biggest undertaking has been the repainting of the entire inside of the building. This task was started over a year ago and is now in its final stage. The hallways and rooms are being painted in different shades of green and yellow to lend the feeling of forestry to the building. Also, each door is the proud possessor of a new knob and lock with some (the two fourth floor heads) being honored with two locks, for some mysterious reason!

Another big addition to the Foresters' home is the replacement of the old lamps by new fluorescent lamps in all classrooms and labs. Other improvements to the inside include the sanding and refinishing of the floors and the replacement of the old chairs with the most modern ones money can buy. Three large pictures, depicting a log drive and scenery, have been placed in the first floor hallway above the large cross-section of a Ponderosa Pine

donated to the College by the Coeur d'Alene Athletic Round Table.

The outside appearance of the building has been enhanced through the addition of modernized doorways and steel doors in the front, side, and back. For use during mild but seldom encountered weather the Associated Foresters placed two log benches, guarding the approaches to the front doors, from which the boys can observe the comings and goings of all.

All in all our Forestry building has undergone many marked improvements making it a place of which we can all be proud.

ASSOCIATED FORESTERS

(Continued from page 23)

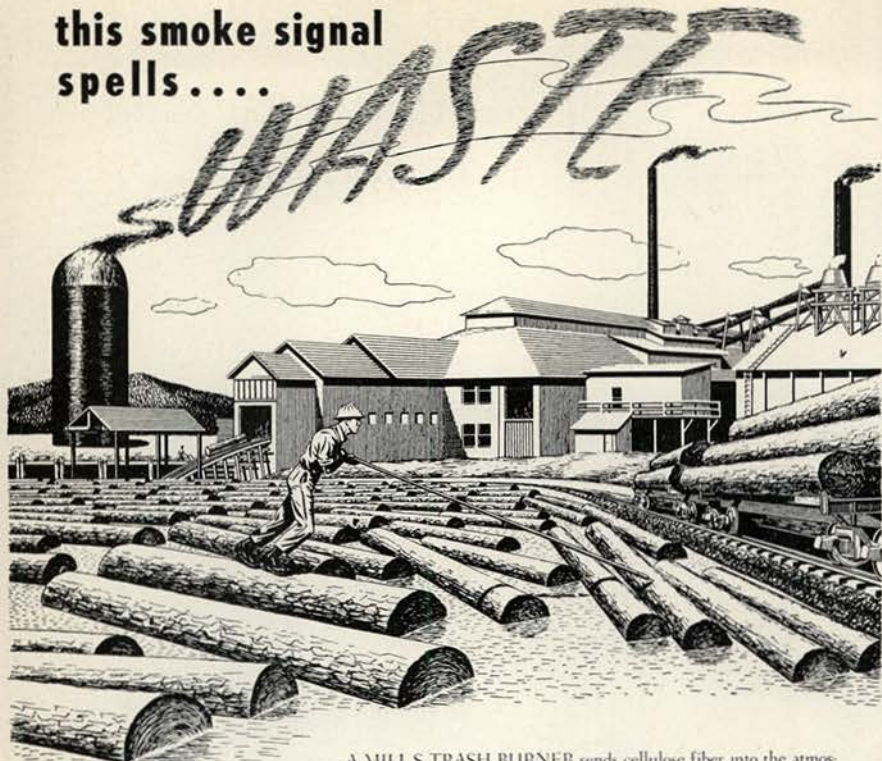
The officers for the year were: Joe Helle, president; Charlie Ohs, vice president; Dewey Almas, treasurer; Dave Parsons, secretary; Howard Stolaas, ranger; Art Andraitis, editor of the *Idaho Forester*; and Swede Johnson, vice president of the Associated Western Forestry Clubs. Swede led a group of Idaho Foresters to the A.W.F.C. conclave held at Corvallis, Oregon this year.

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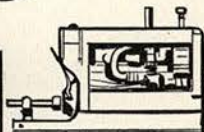
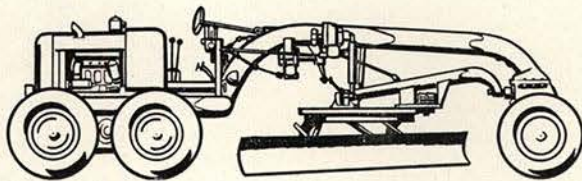
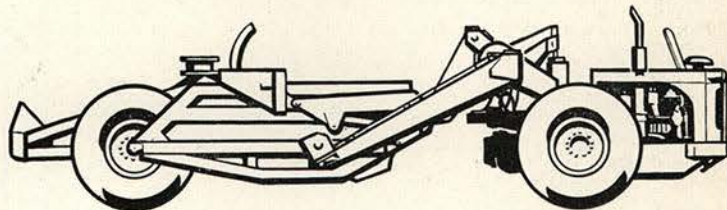
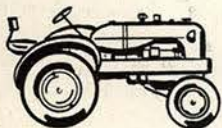
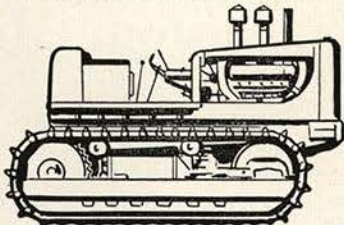
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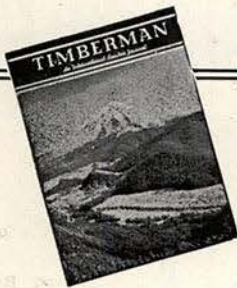
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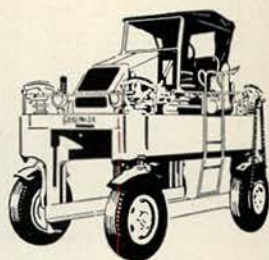
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