



The IDAHO FORESTER

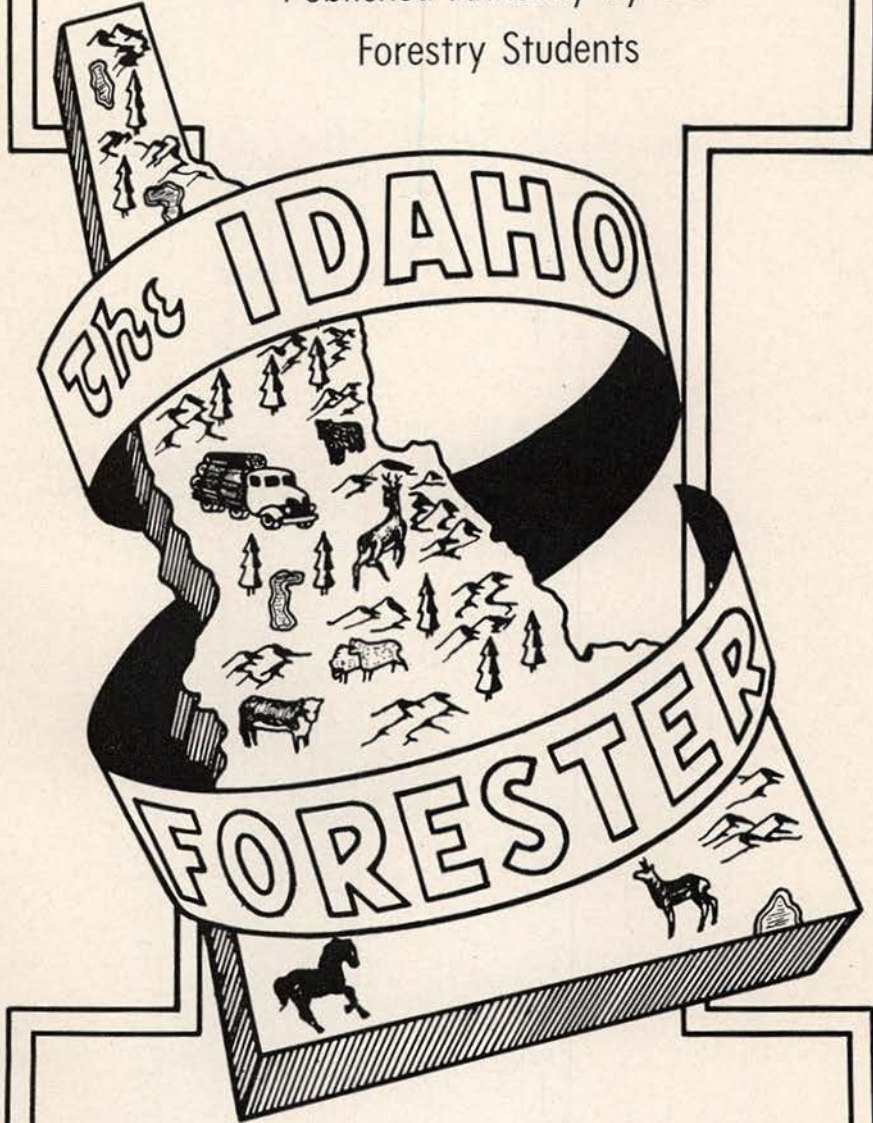
College of Forestry

1961
Volume 43

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**TO CIRCULATE SEE
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Published Annually by the
Forestry Students



College of Forestry
University of Idaho, Moscow, Idaho

The 1960 Idaho Forester

Is Dedicated To

Idaho's State Forester

Roger L. Guernsey



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1961

Roger L. Guernsey

Idaho's State Forester was born almost in the shadows of Morrill Hall in the town of Onaway near Potlatch. When in the 7th grade he decided he wanted to become a forester. During the depression years he helped his father cut 16" stove wood from beautiful yellow pine trees that would grade as peelers today. Then in 1939 he took his first forestry job with the U.S.F.S. and served as a lookout-fireman on Mt. Margaret near Harvard. The pay was \$85.00 a month.

He says he will always remember his forestry summer camp at McCall—it was the summer when Hitler invaded Russia. War interrupted the forester's college training and all ROTC grads were shipped off to Ft. Benning, Georgia to the Infantry OCS. Lt. Guernsey served with the 94th Inf. Division in Patton's 3rd. Army as a mortar platoon leader and company commander and parted from active duty with the rank of Captain.

This army leadership training proved valuable after returning to the Forestry College and graduating

in 1947. After less than one year as Assistant State Forester and at age 27, Mr. Guernsey was appointed to serve as Idaho's 6th State Forester. He is the first graduate forester to serve as Idaho State Forester and so far as is known, was the first graduate forester ever hired by the State Forestry Department. Under his leadership the department has developed from a small, lightly manned, poorly equipped fire fighting outfit of 20 people into a well balanced professional forestry organization numbering about 60 full time specialists, 28 of whom are forestry graduates.

Meanwhile, back at the ranch (style home) of Mr. & Mrs. Guernsey, the former Billie Lou Van Riper of Buhl, there have been other developments too. These native Idahoans have been b'essed by three daughters, aged 6, 9 and 13. The forester from Onaway says his girls will probably never be foresters or soldiers, but they are showing growing interest in travel and study of the languages, and he fully expects them to make substantial contributions to worldly understanding.



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Cover Credit

The cover scene was taken above Harvard, Idaho, by
Photographer Phil Woolwine.

From the Dean's Desk

by Ernest Wohletz



What are the educational needs of present-day foresters? This is a question that is being examined not only by the Society of American Foresters Committee on Education in Forestry and related fields, but by faculties of the Forestry Schools. The current interest stems from a greater recognition that the forester of today has to be something more than one who knows how to grow trees, or to manage forest lands for timber production. If we are to realize from wildlands the maximum total flow of all benefits, management must give recognition to this fact at least to the extent of their relative importance. The relative importance of the various uses changes from place to place and from time to time. Thus the situation is dynamic and no sin-

gle plan or policy can resolve the problems forever, even for a specific area and combination of uses. Further, recognition must be given to the fact that maximum benefits may be obtained under many combinations of uses ranging from single-use for a particular area of land to every possible use for another area of land, and that the combination will be in constant state of flux. The educational requirements needed in order to handle the responsibilities involved are necessarily broad and must include the physical, biological and social sciences, the humanities, certain engineering techniques and the sciences of forestry.

Foresters are more receptive to a broader definition of forests and forestry than has been the case in

the past. This idea is expressed by Dana, the project leader of the study of Forestry Education. In a preliminary report, he says that "Forestry is the art, science and business of managing forest and included lands for the continuous production of goods and services." He further states that "biologically, a forest is an ecosystem (land area) in which trees are the dominant form of vegetation." "Administratively, a forest often includes treeless areas such as swamps, marshes, bogs, range lands, barren lands, streams and lakes." If we accept these definitions the resource manager must acquire besides the various basic sciences, humanities, business and economics, the many principles and techniques which will make him competent in one or more of the several fields of land management, i.e., timber, water, range, wildlife, recreation, etc. Many educators feel that it is impossible to obtain the training necessary to attain this competence in a period of four years or even five or six. What, then, is the answer to this educational dilemma? A few of the ideas that have been or are being considered are listed below. These ideas are not new but are being given a new look.

One approach to the problem is the one offered by schools such as Yale. Under this plan, students with undergraduate degrees in most any discipline can in a period of two more years receive the Master of Forestry degree. A somewhat similar approach is to arrange an integrated five-year forestry program. At the end of four years, the student would receive a B.S. degree (not B.S.F.), and at the end of the fifth year, he would receive the Master of Forestry. He would not be classified as a professional forester until he became a Master of Forestry.

There are many disciplines such as Architecture, and in many places Engineering, that require five years to obtain the B.S. degrees. Under this plan, the student does not receive any degree at the end of four years, but receives the B.S. at the

end of the fifth year at which time he is recognized as having the qualifications of a professional man. This latter plan is being given serious consideration by the profession of Forestry and in it probably lies the best answer to the forestry education problem.

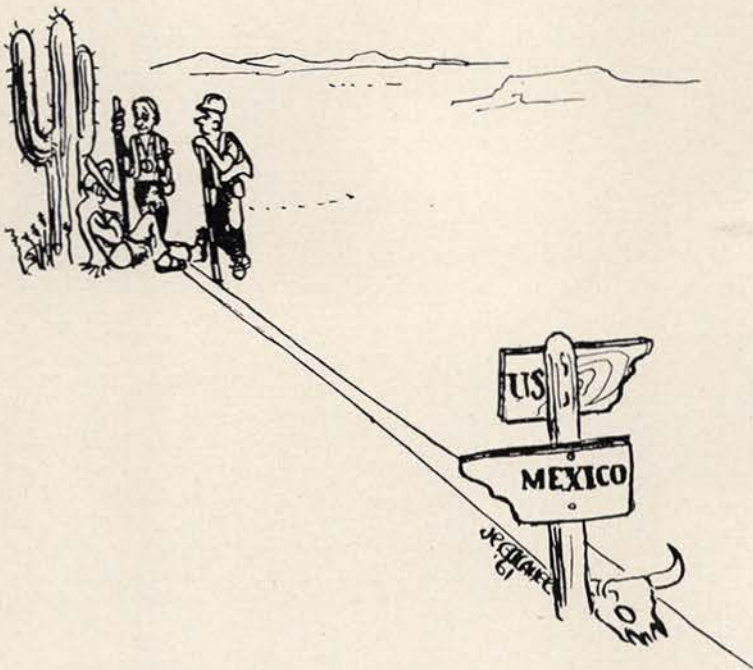
Another approach is one followed in many foreign countries. Forestry training is divided into vocational, technical and professional. Under these plans, much of the purely vocational and technical phases of forestry are assumed by the forest technician leaving the responsibilities of the business, land management, policy and administration phases to the professional forester. In order to become a professional forester, much more time is spent in studies of the basic sciences, business, economics and forestry principles and less on the purely technical phases than is practiced in the United States. On the other hand, the forest technicians, the certificate of which can usually be obtained in two years, is trained in the purely technical phases. This training is either obtained through (a) apprenticeship, (b) secondary schools specializing in forestry, or (c) ranger or technical schools established solely for this type of training. In these countries, the forest technicians outnumber the professional forester by a ratio of three or four to one. If a system of this type were followed in the United States, the professional forester could spend more time on the training necessary to become a land manager and less time on the technical aspect such as surveying, scaling, cruising, fire fighting, etc. Under this system, a four-year course might be entirely satisfactory.

At the University of Idaho, we have come to the conclusion that it is impossible to train every student in all phases of land management. The knowledge required to manage and utilize effectively forest, range, wildlife, fish, and water resources is so extensive that no one can attain such in four years. Yet for the present it appears desirable to retain the four-

year plan. In order to accomplish this, we have all students take a common arrangement of courses during the freshman and sophomore years, and Summer Camp. Beginning in the junior year, students elect among five options one subject area in which they will specialize to a certain degree. Under this plan about seventy percent of the training is common to all students and thirty percent is specialized. As a result, no one individual has all the training needed in every area, yet everyone has enough in all areas to understand the interrelationship among the

management requirements for the different uses. Employing agencies have available personnel which collectively cover all areas and as individuals can contribute to a degree as specialists.

It is recognized that a high degree of specialization too early in training is undesirable. It is admitted that the system just described is a compromise, however, since the specialization is not intense we feel that until some other plan such as one of those described above becomes generally acceptable, our plan is the best that can be evolved.



"No sen'ors, these es no T40N, R2E, Sec. 23!"

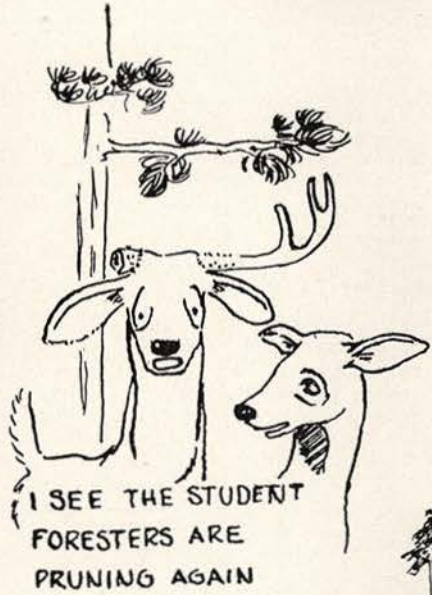


The Idaho Forester Staff

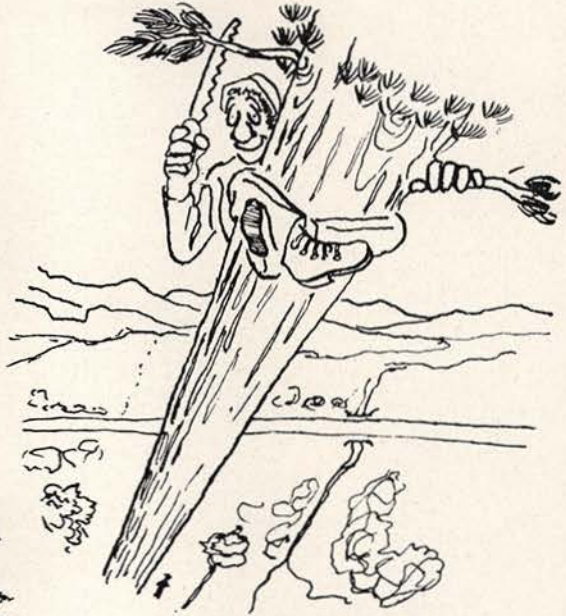


Front Row: Niel Hyde, Advertising Mgr.; Gene Brock, Editor; Hal Vosen, Assoc. Editor; Bob Smith, Circulation Mgr. Rear Row: Phil Woolwine, Photographer; Bob Hopper, Assoc. Editor; Roger Hungerford, Asst. Advertising Mgr.; Jack Gollaher, Cartoonist; Bob Cochrane, Asst. Editor. Not Pictured: Laurence Ellison, Fiscal Agent.

THE MEMBERS OF THE SENIOR CLASS OF THE
UNIVERSITY OF IDAHO, COLLEGE OF FORESTRY



I SEE THE STUDENT
FORESTERS ARE
PRUNING AGAIN

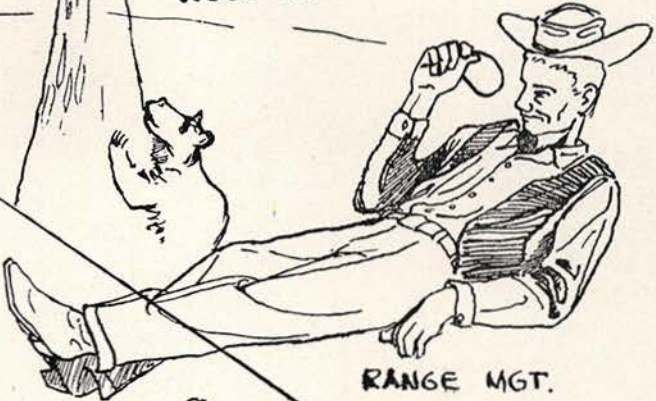
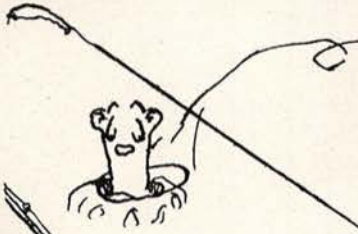


FOREST MANAGEMENT

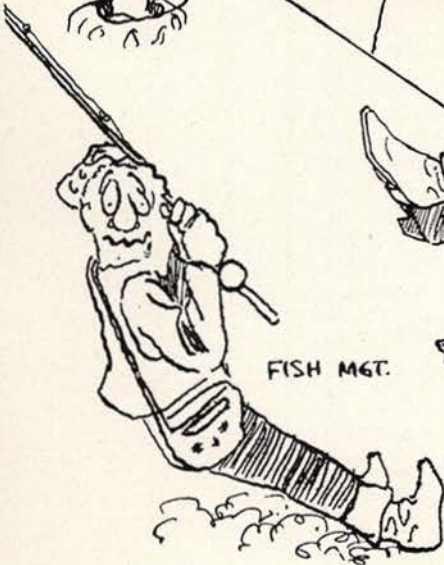
WILD LIFE



WOOD UT.



RANGE MGT.



FISH MGT.



J. RESSNER
'61



JAMES L. ALBERTA
Surrey, North Dakota
Forest Management

Jim transferred here from North Dakota and joined us at summer camp. He calls Lindley Hall his "home." He is a member of Xi Sigma Pi, Associated Foresters, and Society of American Foresters. Experience includes one summer on the Flathead National Forest and two summers on the Payette. Jim has many interests including hiking, camping, fishing, reading, foreign languages, radiotelegraphy and traveling. Graduate study is his plan for the future.



HERBERT R. ALLEN
McCall, Idaho
Forest Management

Another Lindley Hall resident, Herb has been active in the Associated Foresters and belongs to the New York State Ranger School Alumni Association, and the Society of American Foresters. He has spent the last three summers on the Payette National Forest. Hobbies include hunting, hiking, camping and car mechanics. Besides getting married this June, Herb plans to work for the Forest Service after graduating.



RICHARD K. BEST
Coeur d'Alene, Idaho
Forest Management

"Bestaceae," an off campus man, lists as his hobbies: firearms, hunting, and girls (he should know—he has a house full of them). When Dick isn't flying a helicopter, his spare time is taken up with Associated Foresters, Society of American Foresters, and he was also Chairman of this year's Foresters Ball. His summer work experience consists of Bureau of Land Management and State of Idaho Dept. of Forestry. Inventory forester will be his job with the State of Idaho Department of Forestry after graduation.



C. EUGENE BROCK
Nampa, Idaho
Forest Management

Gene is married and has three little "foresters." Since transferring from Boise Junior College, he has belonged to Associated Foresters, Society of American Foresters, Xi Sigma Pi, Vandaleers, and was Senior Class Representative and Editor of the Idaho Forester. He also attended the A.W.F.C. Conclave for the past two years. He has spent three summers on the Boise National Forest and two summers with the Bureau of Land Management. Hunting, fishing, bowling, singing, and raising boys are his hobbies. Gene plans to work for the Boise National Forest.



DAVID A. CHRISTY
Lima, Ohio
Forest Management

Before his recent marriage, "Chris" called the TKE house "home." He is a member of the Associated Foresters and Society of American Foresters. The Forest Service and ROTC have claimed his summers for the past few years. Being an advanced Army student, he plans to spend some time with Uncle Sam and later a forestry career.

JOHN A. CRANDALL
Forest Management
Pocatello, Idaho

Jack is a transfer from Idaho State College. He is married and has two children. His summer experience has been with the Forest Service and Diamond National. Jack is a member of Associated Foresters and lists hunting, fishing, and telling stories as main interests. Plans after graduation include working on the Okanogan National Forest.



FREDERICK O. DICKERSON
Albuquerque, New Mexico
Forest Management

Fred lives off campus. Activities include Associated Foresters and the Westminster Forum of the Presbyterian Church. He has worked three summers for the U.S. Forest Service at McCall. Hunting, fishing, pistolery, and philosophy are Fred's main interests. After graduation, he plans to begin preparation for the Presbyterian ministry.



JAMES L. DUNGAN
Casper, Wyoming
Forest Management

Jim is living off campus. He has been recently tapped for Xi Sigma Pi and lists his other activities as Associated Foresters, Society of American Foresters, and Roger Williams Fellowship. Besides taking a tour of South America, Jim has had four summers experience with the Forest Service. He likes to travel, go huntin' and fishin', and take pictures. Being single and 1-A, his plans for the future are military.



LAURENCE N. ELLISON
Weiser, Idaho
Wildlife Management

Larry has been a member of Phi Eta Sigma, Xi Sigma Pi, Associated Foresters, and the Wildlife Society. His summer work included stream surveys for the Idaho Fish and Game Dept. and work with the Dubois Range Experiment Station. A hunting and fishing enthusiast, Larry plans to work a year before going on to graduate school.



WILLIAM H. EMMINGHAM
Kellogg, Idaho
Forest Management

Bill has been Xi Sigma Pi president, and a member of Scabbard and Blade and the Associated Foresters. He has worked two summers with the Sunshine Mining Co. and one with the Soil Conservation Service. He plans to do graduate work in Finland, either before or after three years in the Air Force. He has been awarded a Fullbright Scholarship.





GERALD M. GARTHE
Santa Ana, California
Forest Management

"Jerry" is a guitar player par excellence, and has served as yell leader and as president of Alpha Tau Omega fraternity. His summer work included four summers with the California Division of Forestry and one with the Forest Service. His plans after graduation are uncertain, but chances are that his guitar will go along with him.



ORVIS C. GUSTAD
Moscow, Idaho
Wildlife Management

Orvis has had summer experience with the Forest Service, and in range plant research. His hobbies are photography, hunting, and fishing. His plans after graduation are as yet, undecided.



JOHN P. KOWZAN
Du Quoin, Illinois
Range Management

John has made the Army rifle team four straight years, and elected captain his senior year. His summer experience includes two summers with the Forest Service and one with the B. L. M. After graduation John plans to work for the B. L. M. before going on active duty as an Army 2nd lieutenant.



KEITH R. LILLICO
Kennewick, Washington
Range Management

Keith is a member of T. M. A., Associated Foresters, and Xi Sigma Pi. His summer experience has been in the construction field and as a Range Research assistant at the University. Keith's hobbies are hunting and bowling. After graduation he will enter the Navy for 4 years and later, perhaps, go to graduate school.



GARY E. MEISNER
Kamiah, Idaho
Forest Management

Gary has been an Associated Forester member, and served as the 1961 chairman of Forestry Week. Living off-campus, his favorite pastimes are hunting and fishing and photography. All of his summers have been with Potlatch Forests, Inc., and he plans to work with Potlatch upon graduation, except for two years in the Army.

BERNARD C. MURPHY

Wallace, Idaho

Forest Management

"Murf" lives off-campus, and lists skiing, fishing and piano playing as hobbies. His summer work has been with the Forest Service, with time out for Uncle Sam. Upon graduation, he hopes to continue working for the Forest Service.



EUGENE P. NIELSON

Milwaukee, Wisconsin

Forest Management

A part-time resident of Upham Hall, Gene has been a member of Associated Foresters, serving as historian and as secretary. In 1959 he was chairman of Forestry Week, taking time off from Archery practice to do a good job. Main interests include Archery, hunting, photography, beer-drinking, music, and extolling the merits of Eastern brew. Summer experiences include three summers with the Washington State Dept. of Natural Resources at Olympia (?) and Ellensburg. After a sojourn in the Army he plans to work in Washington State.



RICHARD A. OGLE

Moscow, Idaho

Forest Management

Living off-campus, Dick has been a member of Xi Sigma Pi, serving as Ranger, and the Associated Foresters, serving as Vice-President and Ranger. Hobbies include rifle competitive shooting, hunting, photography, and foreign travel—resulting from the sight-seeing trip to South America, no doubt. His summer work has been four summers with the St. Joe National Forest. After graduation, Dick plans to work in the Gifford Pinchot National Forest, with the possibility of future graduate work.



MAX MARIUS OLLIEU

Richfield, Idaho

Forest Management

Max is a member of Delta Sigma Phi Fraternity and the Vandal Ski Club on campus. His summer experience has been divided between the Clearwater and Payette National Forests on Blister Rust Control and trail maintenance. For hobbies Max lists skiing, bowling, golf, fishing, and hunting among his favorites. After graduation plans include graduate school and military service.



DAN THOMAS PENCE

Mackay, Idaho

Forest Management

Dan has lived at Campus Club while attending Idaho. He has been quite active in campus forestry activities and has held offices in both Xi Sigma Pi and the Associated Foresters where he was Ranger, Treasurer, and President. Dan was also selected the outstanding senior forester for 1961 and was recipient of the Crown Zellerbach Scholarship in 1960. Summer experience has been in the Challis N. F. where he has done work in fire control, timber and range management, recreation, and communications. His hobbies are hunting, fishing, and fire fighting (this is a hobby?). Dan will work on the Salmon N. F. upon graduation.





CHARLES E. RIGGS
Horseshoe Bend, Idaho
Forest Management

Charlie has had summer experience with the B. L. M. at Boise, and the Diamond Match Co. at Priest River, Idaho. He has been in the army and lists hunting and fishing as his hobbies. After graduation he will go to work in the Lassen N. F.



HAROLD F. ROBERTSON, JR.
Spokane, Washington
Wildlife Management

Harold lives off-campus and is a member of the Associated Foresters. His summer experience has been with the Idaho Fish and Game Department as a Biological Aide. Among his hobbies Harold lists hunting, trapping, and leatherwork as his favorites. After graduation plans include graduate school.



DON ERIC RUNBERG
Moscow, Idaho
Forest Management

Don lives off-campus and is affiliated with the S. A. F. Summer experience has been with the P. T. P. A. and the Forest Service where he plans to work, upon graduation. His hobbies include elk hunting, fishing, and photography.



EDWARD L. SCHULTZ
Colfax, Washington
Forest Management

Ed is a member of Kappa Sigma Fraternity, the S. A. F., and Associated Foresters. His summer experience has been with the Forest Service engineers. Ed's hobbies are hunting, fishing, and water sports. After graduation he plans to enter the Army and later work for the Forest Service.



ROBERT E. TANK
Lewiston, Idaho
Forest Management

Bob has had summer experience with the Forest Service on the Clearwater and the Payette; also, he worked for P. F. I. His hobbies are hunting, fishing, girls, and pool in that order of preference. Bob will work for the Forest Service upon graduation.

JAMES HENRY TAUBMAN
River Grove, Illinois
Forest Management

Jim is a member of the Associated Foresters. His hobbies are hunting and fishing. Summer experience has been with the Forest Service on the St. Joe and cruising in Klamath Falls for the state of Oregon. Upon graduation Jim is hoping to work in the mid-west area.



JAMES J. TOFFLING
South Attleboro, Massachusetts
Forest Management

Jim is married and lives off campus. An exchange student from Paul Smith, Jim has worked for the Daily Idahonian and the Forest Service. His plans after graduation include work and possibly graduate school.



R. DALE TURNIPSEED
Filer, Idaho
Wildlife Management

Dale is associated with the Farmhouse Fraternity and has been corresponding secretary and scholarship chairman for this group. He also finds time to be a member of Associated Foresters and the Wildlife Society. His summer experience has been work at the Point Springs Range Project at Malta, Idaho. Interests include fishing, hunting, flying, and water skiing. He plans to become either a conservation officer or a big game biologist after graduation.



ALAN BRADLEY UNDERWOOD
Detroit, Michigan
Forest Management

Alan is an officer and member of Sigma Alpha Epsilon, a member of Associated Foresters and participated in intramural sports. His hobby is sports. Summer experience has been with the Forest Service at McCloud, California and recreation work in Detroit, Michigan. Upon graduating Alan will work for the Idaho State Forestry Department, Boise, Idaho.



WADE G. WELLS
Boise, Idaho
Range Management

Wade lives at Upham and active in the ROTC program. He is a member of Pershing Rifles, Scabbard and Blade, Army ROTC Drill Team, Xi Sigma Pi, and Independent Caucus. His experience has been with the Forest Service and Bureau of Land Management. Fishing, mountain climbing and model airplanes are his hobbies. Plans include graduate school and the Army.





JACK FREDERICK ZIMMERMAN

Milwaukee, Wisconsin

Wildlife Management

Jack is a member of the Society of American Foresters and the Wildlife Society. His hobbies are hunting, fishing, archery, skin-diving, bowling, tennis, skiing and snowshoeing. Jack spent two summers with the forest service on Payette and Wenatchee National Forests. After graduation he will work as a Wildlife biologist in Alaska.



JAMES F. MIDDENDORF

Salt Lake City, Utah

Forest Management

Jim is a member of Lambda Chi Alpha fraternity, and an avid bridge player. His summer work included two summers with the Southern Idaho T. P. A. and three summers with the Forest Service at the metropolis of McCall, Idaho. After graduation he plans to accept a trainee position with Weyerhaeuser Co.



RAYMOND F. McLAUGHLIN

Oakland, California

Wood Utilization

Ray is a member of Theta Chi Fraternity, Associated Foresters, and Scabbard and Blade military honorary. Summer experience has been with the Forest Service and private industry outside of forestry. Upon graduation, Ray plans to go into private industry and do sales or product research work.



RUSSELL L. NEWCOMB

Boise, Idaho

Forest Management

Russ has been a member of Associated Foresters, Society of American Foresters, and Pershing Rifles. Married and living off-campus, Russ received the 1961 Foresterettes Award. His hobbies include hunting and fishing, flying, and coffee-drinking. Summer work has been with the Payette and St. Joe National Forests. After graduation Russ plans to work somewhere in Region Four.



ERNEST ADALBERT POLZ

Hillside, Illinois

Forest Management

Ernie is a member of Farmhouse Fraternity where he has held the office of president, I. K.'s, The Associated Foresters, Xi Sigma Pi, and the S. A. F. His hobbies include hunting, fishing, and traveling. Summer experience has consisted of miscellaneous forestry jobs in the Boise N. F. and the Bridger N. F. Upon graduation, Ernie will go the Naval Air Officer Candidate School at Pensacola, Florida.

MICHAEL CONOVER REEB
Deerfield, Illinois
Forest Management

Mike is a member of Sigma Nu Fraternity, Associated Foresters, and the S. A. F. His summer experience has been with the B. L. M. where he did timber inventory work and cruising and marking. Also, he has experience in construction work. Mike's hobbies consist of hunting, fishing, and music. He plans to go to work for the B. L. M. in Boise upon graduation, and eventually go to Alaska.



HARVEY MACY WALDRON, JR.
Queens Village, Long Island, New York
Forest Management

Harvey is a member of Xi Sigma Pi, Phi Kappa Phi, Associated Foresters, and Society of American Foresters. His hobbies include photography, sailboating, flying, hunting and fishing. In February Harvey received a Research Assistantship at Washington State University in Plant Pathology and is now working toward a Ph.D. in Forest Pathology.



DONALD E. COMSTOCK
Lewiston, Idaho
Forest Management

Don is married and has 3 children, but still finds time to be a member of the S. A. F. His hobbies are fishing, hunting, and working with a herbarium. Summer experience has been in B. R. C. work on the Kaniksu N. F. He plans to go to work in Region 1 after graduation.



JOHN D. ANDRICK
Amarillo, Texas
Wildlife Management

John is a member of the American Wildlife Society and the Associated Foresters. Summer experience has been with the Idaho Fish and Game Department. His hobbies are hunting, fishing, and photography; also, fly-tying and hand loading ammunition. John plans to go to graduate school upon graduation.

RICHARD L. HORN
Burley, Idaho
Forest Management

Dick is a member of the Associated Foresters and Pershing Rifles. His summer experience has been with the Forest Service as an engineering aide and as a timber management aide. Dick's hobbies include hunting and fishing. He plans to get married this summer.

JAMES JOSEPH JOHN PALISIN
Cleveland, Ohio
Range Management

Jim is a member of Delta Sigma Phi Fraternity, Associated Foresters, and The Society of Range Management. Summer experience has been with the Forest Service and B.L.M. on range survey work. Jim is an avid fisherman, and plans to catch up on it after graduation.

ROBERT M. RICHMOND
Cody, Wyoming
Range Management

Wrangler Bob is a member of the Associated Foresters and American Society of Range Management. His summer experience has included 7 summers as a genuine "Wyoming cowboy" and 2 in the St. Joe on Range allotment work. His hobbies include hunting and fishing. After graduation Bob plans to work for awhile and then return to graduate school.

HAL LELAND ROGERS
Richfield, Idaho
Range Management

Hal is a member of the Society of Range Managers. His hobbies are oil painting and hunting. His summer experience has been with the Lewis & Clark, Boise and Payette National Forests, and the Bureau of Land Management. Upon graduation he plans to either do graduate work or work for the Bureau of Land Management or the Forest Service.

DAVID A. SHARPNACK
Oak Park, Illinois
Forest Management

Sharpy lives off-campus and belongs to Xi Sigma Pi. He has spent 3 summers with the forest service and one with Bureau of Land Management. His chief hobby is being in the sun and sleeping. Plans for this next summer include working at the Intermountain Station at Ogden. In the future he wants to get in some statistical work.

Standards



Left to Right: Front Row, Ted Neef, Vosen, Hopper, Yerry, Brixen; 2nd Row, Hodge, Burton, Jaspers, Space, Leege; 3rd Row, R. M. Smith, Schmidt, Stancer, Burr, Byrnes, Vail, Trojanowski, S. Brown, Stere; 4th Row, Nellis, Hock, Trojanowski, Wren, Melany, B. Anderson, France Bier Heck, Obermeyer, Baumert.



Left to Right: Front Row, Yingling Hughes, Keuter, Marshall; 2nd Row, Rathbun, Cochrane, Romans, Argyle; 3rd Row, S. Smith, Hahn, Bell, Leonard, Erhert, Parsons, S. Brown, Gale, Randilf, H. Smith, Heffner; 4th Row, Melany, Falkner, Schmitt, Gallaher, Wolfe, MacDonald, Magnuson.

Sapplings



Row 1: Al England, Art Bourassa, Gene Gray, Jim Lincoln; Row 2, Bob Kottkey, Ed Hanson, Jim Kasper, Earl Hubbel, William Kroll, Dennis Ward; Row 3, Roger Hungerford, Al Taylor, Jerry Davis, Steve Lincoln, Ron Pyke, Richard Just, Richard Logan, Larry Johnson, Bob Crosno; Row 4, Robert Doty, Dave Spores.



Row 1: James Chapin, Palen Bailey, Tom Bahr, Gary Hart; Row 2, Gerald House, Normen Yogerst, Robert Lannon, Tom Cametti; Row 3, Tom Heinz, Jim Hertel, Doug Smart, Reid Harris, Lary Smith, Joseph Loyd.

Seedlings



Row 1, Left to Right: Wayne Culley, John Beranoff, Duane Stephens, Ron Shinn, Ed Myers, Dick McQueen; Row 2: Jim Depree, Bob Loucks, Jay Eubanks, Jim Hood, Lyle Wilkinsos, Rich Procopio, Floyd Hutchins; Row 3: George Bard, Floyd Heiser, Don Woolery, John Fink, Doug Bishop, Terry Solberg, Elmer Canfield; Row 4: Rod Knopp, M. E. Ross, John Penney, Bill Nikkola, Bill Williams, Kris Wales.



Row 1: Vernon Kushnur, John Mock, Bill Schmidt, Russell Vansant, Richard Millar, Lee Holner, Jon Bergquist, Harry Chirumblo; Row 2: Richard Williams, Wayne Dennis, Don Kygard, Wayne Imgard, Keith Glover, Dick Powers, Robert Hatmaker, Lew Pence, Dennis Wilson; Row 3: Jim Thompson, Jon Lenon, Ron Tellers, Ron Inussbaun, Ken Steward, Rick Rankinen, Rudy Ringe, Wayne Burkhardt, Jim Capellen; Row 4: Terry Williams, Matt Buley, Gene Lathrup, Ralph Garrison, Dennis Froeming, Mike Shields, Denny Almquist, Jack Knobluck.

Graduate Students



Left to Right: Front Row, John Campbell, Bengt Hamner, David Adams, Alan Furniss; Back Row, John Hunt, Dick Reid, John Hook Randall Witters, Andy Harris.

Not pictured: Arnold Bullock, Sterling Davis, Paul Edgerton, Eugene Farmer, Donald Hauxwell, Tom Heller, Bill McIlvain, Ralph Maloney, Jerry Mallet, DeVon Nelson, Darwin Ness, Richard Presby, Harley Shaw, Leon Williams, LeRoy Williamson, Larry Wing, Robert Wood.



SECRETARIES

Gerldine Albertini Linda Schnelle

Lila Faulks Sue Pennington

Not pictured: Sandra Fritzley

Range Management



RANGE INSTRUCTORS
Lee A. Sharp and Dr. Edwin W. Tizdale

Range management continues to offer plenty of job opportunities as well as an increasing number of fellowships for those who want to take graduate training. The 850 million acres of range land in the United States is still only a partially developed resource and offers a great variety of problems and opportunities for the future. Pressures resulting from an increasing population and a rising standard of living are causing rapid changes in the use of wild lands. While the greatest impact is in the areas of watershed and recreation, there is also a demand for greater production from grazing which must be harmonized with the other land uses.

Although positions in the management and administrative side of the range profession continue to be the

most plentiful, there are many opportunities in range research. Demands for increased forage production from a stable or slightly reduced land area point up the need for greater knowledge of range management and improvement practices. Relationships with other land uses, especially watershed maintenance and production, involve many problems requiring intensive research. Positions in teaching and research are also available in greater numbers due to an increase in the number of institutions offering work in range management and to expansion of staff in many other schools. A major in range management is now available at 14 schools, and about as many more offer some courses in this field.

The trend toward more graduate study is evident in range manage-

ment as in other fields of land management. The amount of knowledge required to cope with the complexities of land use problems becomes ever greater than that which can be provided by an undergraduate curriculum. For administrative work the value of graduate study, particularly when taken after a few years of experience on the job, is increasingly recognized. For research such additional training is essential. Employing agencies now give much greater recognition to higher degrees than in times past and this trend can be expected to continue. It is evident at Idaho in the number of range graduate students which is the largest we have had. The group includes one man on a Ph.D. program and it is expected that an increasing number will desire training at this level.

Range graduates from Idaho continue to make their way in professional work as indicated by the large number now holding key positions with land management agencies and universities. Their success and their reaction to the training received at Idaho gives us reason to believe that our program ranks with the best in providing good, basic training. Recently a detailed study of range management curricula was made by the Range Management Education Council, a group representing all of the schools offering majors in this field. The present Idaho curriculum with its emphasis on basic rather than

vocational aspects stood up well under this investigation and is very close to the curriculum recommended by the Council.

The 11th annual meeting of the American Society of Range Management held in Salt Lake City at the end of January was well attended and there were many Idaho graduates present. More than 40 were present at an alumni luncheon and there were several others who were not able to attend this function. It was interesting to see how widely distributed the alumni are, with almost every part of the country and a great many land management agencies and institutions represented.

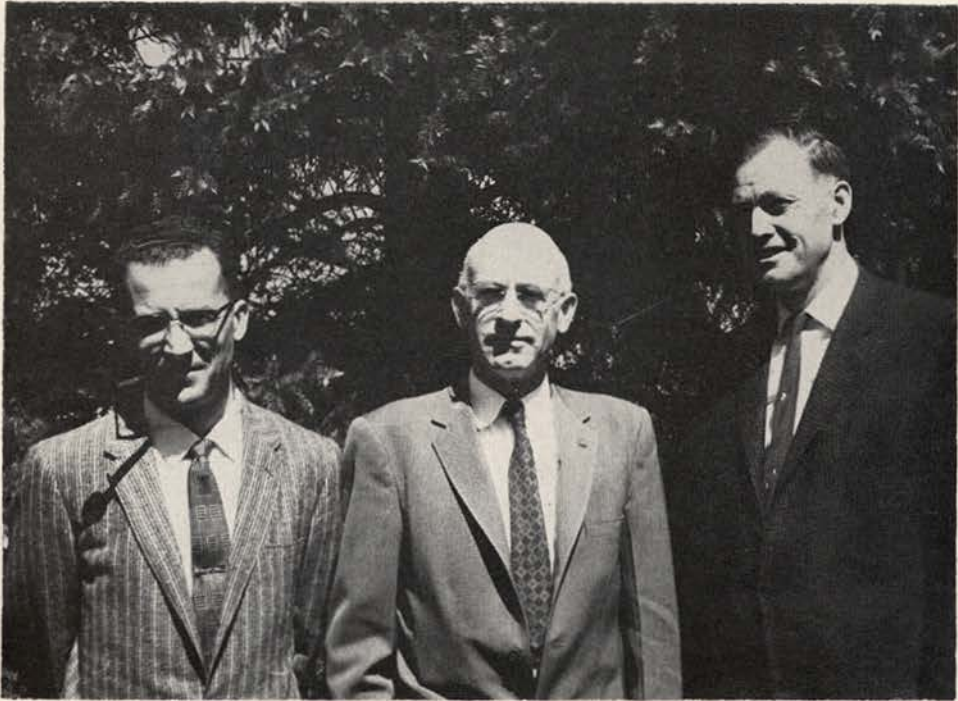
On the campus range management majors, although fewer in number than their counterparts in forest management, have taken their share in Associated Foresters and Xi Sigma Pi. Most of the fellows also belong to the American Society of Range Management, represented locally by the North Idaho Chapter.

The spring field trip continues to be a highlight for the seniors in range. Last year's trip included a variety of range conditions and problems largely in the State of Oregon. Plans for this year are for a trip through western Montana, southern Idaho and eastern Oregon.

E. W. Tisdale
Professor
Range Management

The Wildlife Management Option

by Dr. Kenneth E. Hungerford



Dr. Kenneth E. Hungerford (Wildlife), Dr. Paul D. Dalke (Wildlife), Dr. Craig MacPhee (Fishery).

The Wildlife Management curriculum as it appears in the new catalog will be changed considerably from past years. Wildlife management and fishery management will be consolidated under one option with three possible choices of training. This change is a reflection of new developments in job opportunities and is aimed at giving better training for students who will go to work eventually in wildlife and fishery management and related fields.

A number of common courses will be listed in the new catalog which students under this option will be required to take. There will be the same elective flexibility that we have

had in the past. Three possible choices will be available to a student in the wildlife option. He can elect to specialize in the field of Game Management, in the field of Fishery Management, or in a combination which is called Fish and Game.

Under the Game Management program essentially the same type of training will be available as we now have in the Wildlife Management option. A course in genetics will be required and also a new course in legal aspects of land management will be required. This recognizes the increasing importance of genetics as a science and a knowledge of the law on which all management programs are

based. As in the past, students will be required to take such courses as Principles of Wildlife Management, Wildlife Management Techniques, and Big Game Management along with other forestry, range management, biological, and agricultural courses. Elective freedom will be provided for those students who would like to prepare for later graduate study in the more specialized fields of waterfowl management, furbearer management, and upland game birds management.

Under the Fishery Management program, the same general choice of courses will be available that students now take in the fishery management option. Students in this program will also be required to take a course in genetics and Zoology 2, to broaden their basic science background. Also, there will be a choice of elective courses for students who wish to specialize in various branches of the fishery field such as water quality and population dynamics.

The third choice will be the Fish and Game combination which is aimed at training a man more interested in work as a conservation officer or as an information-education officer. This program is aimed primarily at the man who wishes to go ahead in the field management and administration of wildlife resources and is not particularly interested in following a more specialized field in later graduate study. Here, a student will combine courses in wildlife management and fishery management. He will also be required to take additional courses in the field of law, particularly Business Law, and a second

semester of a new course entitled Legal Aspects of Land Management. Likewise, there will be some elective freedom in the Fish and Game combination, but perhaps not as much as might be available under Game Management or under Fishery Management.

In recent years there has been a tendency to emphasize the basic sciences and various cultural subjects in the training of a wildlife or fishery manager. The University of Idaho College of Forestry has aimed at this type of training from the beginning. We do not attempt to offer a wide variety of "how to do" courses in the techniques or management of individual wildlife species or groups of wildlife. We do emphasize the basic training in the sciences and a complete understanding of multiple use land management. Wildlife management, particularly in the West, must be based on these foundations or a student may find himself just another laboratory technician rather than a manager.

The undergraduate training program is closely coordinated with the Cooperative Wildlife Research Unit. Dr. Paul Dalke, Biologist with the Bureau of Sport Fisheries and Wildlife, is the Unit Leader at Idaho. His job is primarily training graduate students and research. However, undergraduates meet him in occasional appearances at summer camp or in course lectures. The main responsibility for teaching in this combined program will continue to be Dr. Craig MacPhee, Fishery Management and Dr. Kenneth Hungerford in Game Management.

Forest Management Staff

by Merrill E. Deters



INSTRUCTORS OF FOREST MANAGEMENT

1st Row, Left to Right: Frank H. Pitkin (Forest Nursery), Dr. Chi-Wu Wang (Forest Genetics), Dr. Howard Loewenstein (Forest Soils), Fred D. Johnson (Watershed Mgt.); 2nd Row: Dr. Arthur D. Partridge (Forest Pathology), Dr. Merrill E. Deters (Forest Management), Robert H. Seale (Forest Economics), E. Leon Williams (Jr. Agriculture and Forest Economist).

Forest Management is many things from seedlings to sawlogs from bugs to diseases, measurements, soils, genetics and stream flow—to indicate some of the range of activities within the field.

Twelve staff members of the College of Forestry, University of Idaho are doing teaching and research work in forest management.

Dean Ernest "Smokey Joe" Wohletz although heavily loaded with administrative work still teaches forest policy and administration, and forestry lectures which is the freshmen's introduction to forestry and orientation course. During the 1960 student vs. faculty softball game

"Smokey Joe" was steadfast as the umpire relinquishing his duties long enough to pinch-hit for the faculty. With both infield and outfield support, recorded by some as a fantastic metamorphosis, the staff edged out the "new frontier" boys for the first time in several years.

After a number of years of association with the College of Forestry, Dave Olson, also retired from the U.S. Forest Service, has completed his work as research silviculturist. In addition to his research, Dave pinch-hit in other lines of work, taking over the fire control course following Dr. Gilbertson's resignation during the year. Staff members es-

pecially will miss the ever ready counsel so freely and competently given by Dave. The long and wide range of experience gained in years of Forest Service work made his advice most valuable and helpful to other members of the forestry staff. Dave and Mrs. Olson will continue to maintain their residence in Moscow but the winter season will probably find them headed for vacation land in the sunny Southwest.

Professor "Pappy" Seale continues busy as ever with teaching, curriculum, records, summer camp and many other things. It looks like Bob will get some respite from summer camp duties with Fred Johnson beginning to take over summer camp administration.

Frank Pitkin, while still supervising the Clarke-McNary and the new soil bank nursery has been building a very active research program in forest genetics and seedling survival under Idaho conditions. Also Frank is a stellar member of the forestry faculty league bowling team currently tied for top place with the engineers.

Frequently seen conferring and planning research programs with Pitkin is Dr. Howard Loewenstein, the forest soils specialist who came to us last year from Syracuse. Howard is interested in all forest soil problems and is working on soil fertilization studies as well as teaching in silvics and advanced forest soils.

One can tell that it's 15 or 20 minutes before 10:00 A.M. by a call to the faculty club coffee break. The call will be made by Dr. Arthur Partridge who has taken Dr. Gilbertson's position in forest pathology. Coming to the College of Forestry from the research branch of the U.S. Forest Service, Art has fit right into the activities of the College. In addition to teaching the forest pathology courses and research methods, he's planning a big research program to give the answers to decay problems in our important grand fir.

Originally engaged in a research capacity, Fred Johnson is now gaining veteran status in the teaching of dendrology and watershed management. With pole blight research nearing completion, Fred has switched his interests to mycorrhizal relationships still keeping in mind any implications on pole blight causes. Fred is still one of the avid "queen bee" enthusiasts and a collector of flipping coins that always bear careful scrutiny.

Another new appointment to the College of Forestry staff which reflects the growing specialization of forestry is that of Dr. Chi Wu Wang, forest geneticist, replacing Dr. Lawrence Inman, resigned. Dr. Wang will continue the major project of improving ponderosa pine by application of genetic principles. He will be headquartered at Moscow instead of at Boise in order to better handle the graduate teaching program. With an enthusiasm for many things Chi Wu has already acquired a tree farm forty on Moscow Mountain and is actively planning its development.

Idaho loses some of its promising young men as well as acquiring them. One such is George Frazier who left us to join the staff of the California Forest and Range Experiment Station at Berkeley, California. While engaged here in forest economics research and completing requirements for the M.S. degree, George did a fine job of woodland and marketing studies in northern Idaho. He was succeeded by E. L. "Lonnie" Williams, an Idaho graduate of '50, who has had experience in farm forestry and industry. Lonnie is presently engaged in a sawmill study covering the northern Idaho region. His big side lines are Christmas trees and tree farming plus four lively young ones.

The newest addition to the forestry staff arrived just this January. Dr. John Schenk has come from Wisconsin to assume the duties in forest entomology formerly under the direction of Dr. Edwin Clark. Actually,

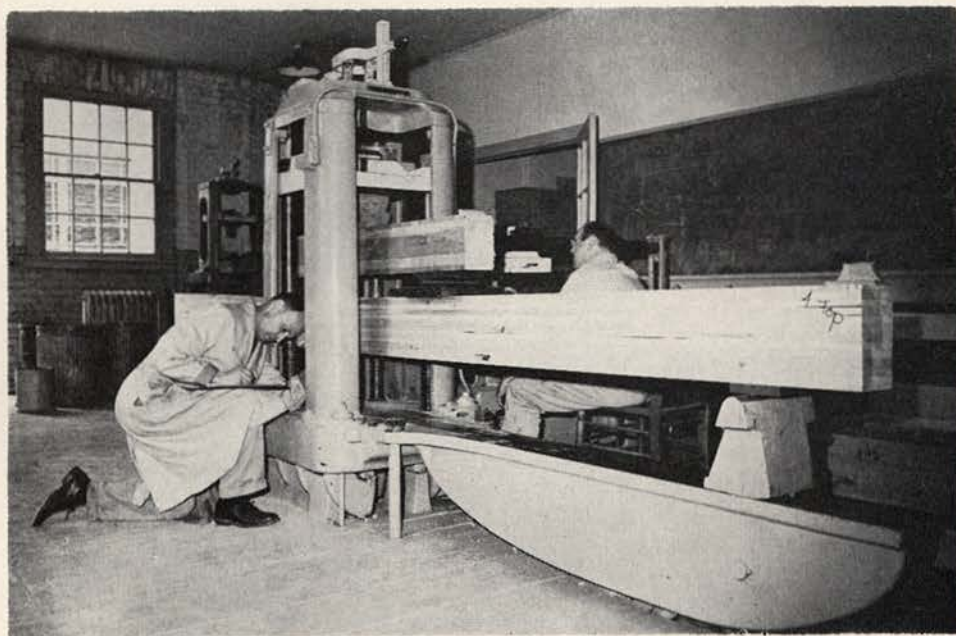
Dr. Schenk has a dual role being a member of the College of Agriculture staff as well as of the College of Forestry. He will teach the forest entomology courses and conduct research in the field of forest insects, continuing the work on insects affecting tree cones and seeds.

John Hunt, an Idaho graduate of 1959, holds a National Defense Graduate Fellowship and is working toward a Ph.D. degree probably in for-

est recreation. However, he is also acting instructor in forestry, handling the fire prevention and control course during the first semester and land management seminar the second semester. John's wide experience in fire control work in California provides a fine background of practical experience for teaching the fire course. Also, it is a wonderful opportunity for John to gain valued teaching experience.

Wood Utilization

By John P. Howe



ASSISTANT PROFESSORS OF WOOD UTILIZATION
John P. Howe and Arland D. Hoffstrand

Two years ago we celebrated the 50th anniversary of the College of Forestry. Soon we will celebrate the 50th anniversary of the Wood Technology Option. The records show that about the time the College graduated its first class, the need was felt for training in this field of forestry. The 1913-14 catalog offered a Lumberman's Forestry course. The catalog said that the purpose of this course was to prepare young men

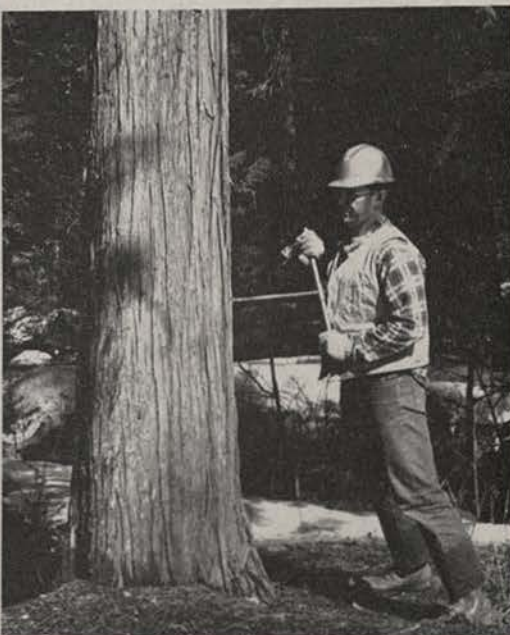
to be of service in driving, rafting, fluming and skidding by horse and to train young men to attack the steam power. Another objective was to train young men to attack the problem of the disposition of wood waste. The tractor and the helicopter may be answering some of these problems of our fathers, but obviously a host of challenging problems remain.

(Continued on page 50)

Highlights



of 1960-61



Associated Foresters Club Activities

by Dan Pence, Club President



The activities for 1960 got started with a stepped up program during freshman orientation in an attempt to get a larger turn out from the freshman class.

The membership drive was an apparent success when, in spite of the usual monsoon-type weather, a good crowd turned out for the steak on September 2. This year the steak fry was under the direction of Bob Brock and Russ Newcomb. The Dean and other faculty members managed to brew up some very delicious steaks over the open fires. There was a good turn out for the contests. When the final contest scores were tallied there was some rumor of fraud when Andy

Harris, Bob Brock's roommate, came out as Forester of the Day with the top score. The plot thickened when Bob turned out to be in second place, and, in spite of a few minor riots these "honest" characters made off with most of the prizes.

The first meeting took place on October 4th. Dean Woletz welcomed the members, spoke on active participation, and announced scholarships that had been awarded to forestry students. Tom Finch, the Ranger for the Palouse Ranger District, U.S.F.S., showed a film "The Living Forest".

Richard Ogle showed several sample decals for the Associated Foresters and one was chosen by the

members at the November meeting. Dr. Tisdale put on the program by showing slides and speaking on his trip to the United Kingdom last summer.

Roger Hungerford was elected as the new Sophomore representative to fill a vacancy at the December meeting. Robert O'in, Director of Planning for Potlatch Forests, Inc., spoke on the use of radio in Forest Management.

The sale of club decals began at the January meeting. The club donated \$50 to Mr. and Mrs. Chuck Wren to help cover some of the loss they suffered in a fire in December. Representatives from Regions 1, 4, and 6 of the U.S. Forest Service were present and spoke on employment with their agency.

John Trojanowski was elected vice president for the A.W.F.C. Conclave in Colorado at the February meeting. Representatives from the B.L.M. spoke and showed films on work with their agency. Mick O'lieu supplemented their program by showing slides of his trip to France last summer.

Dick Best took the drivers seat to head the Forester's Ball on February 10th. The Foresters furnished the intermission entertainment by showing what would most likely happen if the summer camp students should meet up with Yogi Bear. Every one thoroughly enjoyed themselves, although the reason for some of the high spirits was apparent when most of the cleanup crew arrived Saturday morning somewhat "hung-over!". The membership in the club passed the 200 mark to set a new record of 203 members during membership sales at the dance. A total of \$16 was lost at the ball, which is about average.

It was decided at the March meeting that woods clothes will be worn on Monday and Friday of Forestry Week and sports clothes will be the dress for Tuesday, Wednesday, and Thursday. Decals advertising Forestry Week will be furnished by the Forestettes for the members to

wear on their clothes. Nomination for next year's officers were held. Due to increased expenses, the club is not as well off as it would like to be financially. To help finance the trip for the delegates to the conclave and help pay for the banquet it was decided to charge members \$.50 for the banquet. Dr. Roberts spoke and showed slides of his trip to Russia last summer.

John Trojanowski told the members about the conclave trip to Colorado at the April meeting. Election of officers for next year was held and Neil Hyde was elected president and adjourned the meeting following the remainder of the elections. Movies were shown on Alaska and Watershed Management.

Forestry Week will be held April 24th thru 28th under the direction of Gary Meisner and Ed Schultz. The Ad. lawn demonstration will be held the 24th. One hundred dollars worth of eastern hardwoods will be planted on the 28th. The banquet will also take place on the 28th with Mr. Pengalli as guest speaker.

The May meeting will wrap up what has been a very active year for the Associated Foresters.

Club officers for this year other than president have been:

- Richard Ogle—vice president
- Eugene Nielsen—Secretary
- John Trojanowski—Treasurer
- Tom Heinz—Ranger
- Ron Pyke—Historian
- Jim Trojanowski and Carl Nellis—Jr. Reps.
- Bill Emmingham and Gene Brock—Sr. Reps.
- Roger Hungerford and Jim Lincoln—Soph. Reps.
- Wayne Burkhart and Lew Pence—Fresh. Reps.
- Gene Brock—Editor for the Idaho Forester
- Bob Richmond — Program Chairman

To these men and the many others who have so very willingly taken part in this year's club activities, I wish to express my sincere appreciation.

Forestry Week

by Gary E. Meisner



Governor Robert E. Smylie proclaimed the week of April 23-29, 1961 Forestry Week in the state of Idaho at the request of the Associated Foresters.

The purpose of Forestry Week is to make the people of Idaho aware of the importance of forestry, and to acquaint them with some of the current problems in the field.

The theme chosen for this year was "Forest Recreation as a part of Multiple Use." Under the direction of Faculty advisor, Dr. Kenneth Hungerford, chairman Gary Meisner and assistant Ed Schultz, numerous activities took place during the week at the University of Idaho.

In order to maximize the number of people reached, letters are sent to private, state, and Federal foresters asking them to give public talks, demonstrations, and to show movies explaining the objectives of Forestry Week. The program carried out by Jim Dungan obtained very favorable results. The people contacted cooperated very well and indicated a desire to help with the continuance of our Forestry Week program.

The kick off of Forestry Week on Campus was a log sawing demonstration coordinated by Bill Parsons and Vince Naughton. It was held Monday morning from 9:30-10:00 A.M. and

again in the afternoon from 2:00-2:10 P.M. on the Ad Lawn. This serves to bring the attention of the campus to the observance of Forestry Week.

Forestry Week displays were set up in the Library, the Student Union Building, Washington Water Power, and Wards Paint and Hardware store. These displays were handled under the direction of Tom France.

Phil Woolwine handled both the campus and off campus publicity. Articles were sent to newspapers throughout the state; radio tapes and television films were distributed for use throughout the area.

On Friday afternoon, under the chairmanship of Russell Newcomb, members of the Associated Foresters planted several Eastern hardwood trees of various species on campus. Prof. Fred Johnson supervised the planting of the trees near Hays Hall, French House, the new tennis courts, and the Dairy Science building. These trees serve as new species for future study and improving the looks of the Campus.

This year we stressed the fact that forestry is not only an occupation of hard work, but also a gratifying profession. We accomplished this by wearing sport clothes Tuesday, Wed-

nesday, and Thursday and our woods clothes on Monday and Friday.

Forestry Week was brought to a close with a banquet sponsored by the Associated Foresters on Friday evening with Ma'colm King as Master of Ceremonies.



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Summer Camp



It all started one night with a 2 hour lecture on how (or how not?) to get to McCall. Included in this two hour session was the choosing of Phil Woolwine as kitchen boss, Al Brixen as head of finances, and Jack Gollaher as work boss.

The first day at camp was consumed by such matters as reflooring tents so that the occupants would no longer fall through them, moving stoves, wiring, and moving in. After this, six man crews were chosen to live in the four man tents, four man crews for the three man tents, and three man crews for the two man tents. Then came the scramble for table, lightbulbs, and other items.

That evening, "Shuffles" served soup for supper.

Field practice in surveying is what they called the first course. In this block of instruction, various problems were taken up. Some parties sloshed through swamps, others hacked their way through Ceanothus, and one party fought its way across the golf course. Herb Maloney, Fred Marshall, Phile Heffner, and "Pebble" McEwen had an interesting problem in locating a submerged section corner, while Al Montgomery and crew devised an ingenious method of adjusting their compass for incorrect declination and were a mere 40° to 45° off course.

Extra curricular activities were numerous. Some joined in Mr. Protein's health club and learned the virtues of dessicated liver. John Hunt led an excursion to Snowslide lake only to find it still covered with ice. Nightly pilgrimages were made to the Cellar. Football games were common, with Prof. Hofstrand frequently entering in. Some individuals were content to chase girls—and last but not least, Joswick belched.

A constant companion on all field trips and about the camp was Fred Marshall's collie, Dixie. She and Pete the pup gave exhibitions of wrestling and racing. All the squirrels in camp were held in line by her watchful eye.

Jack Gollaher provided chuckles on the bulletin board with his displays of true to life cartoons. The bulletin board was also the place for displaying famous quotes such as: "Trees are big."

Brown's Mill was the scene of the mill tally exercise which indicated a previously unknown fact: 16 foot boards can be cut from 14 foot logs. Mensuration exercises were broken up while the camp watched the smokejumpers take practice jumps, and later observe the poisoning of the Payette river. A large group, including an instructor, became so engrossed in the sport of picking up the dying fish that they missed the truck and had to walk back to camp.

Next came field ecology. Plant presses, hand lenses, and "infiltrimeters" (empty beer cans) were in style. The Xerosere exercise proved interesting??? Dean Argyle made a thrilling discovery at this point. While lying on his belly laboriously dripping water on a hapless square of lichen, he looked down and found—to his surprise—his fingernails were dirty. (He also found that the lichen consumed 12.267 drops of water.) And Joswick belched.

Finally, Ted Neef's fondest dream came true—a FIRE. Several previous attempts at having a fire had failed. Scott Brown had practiced

extinguishing the trash pile some nights before.

Shortly after the Regents came, we left—for scenic Maxwell Creek. Eighty fire fighters spent a restful evening arched over the rocks on a ridge above the fire. In the morning "Ichabod" Faulkner and radio led his crew into action with the other crews following. A highlight of the day came when Ted Neef casually turned to a companion and uttered the now famous words, "I think I'm on fire." Many blisters and several days later we walked out of the area. That is all except for Prof. Johnson and Stubby Lent who were fortunate enough to get a copter ride out.

Following a very brief recuperation period, during which Stockwells made a mint on boots, the crew left for Hell's Canyon. Among the experience gained on this fire was acquiring a taste for green eggs and purple ham. International relations played a large part on the fire as most everyone learned to swear in Spanish, protect his sleeping bag, and watch where he stepped. A well organized crew dug a line through the old burn for the purpose of backfiring.

Night fire fighting provided Rudy Zuberbuhler, Larry Bardsley, Jim Tracy, "Oakey" Butler, and others the thrill of cutting 18" and larger Doug fir with pulaskis. This exercise was in preparation for another backfiring which never took place.

After a prolonged "Why???", the crew made a rapid but orderly retreat when the fire blew up. Finally, it came to mop-up activities. Pocket books and rock rolling were now the main source of entertainment. Alden Wood proved his ability at entering into burned out trees and poking his head through openings cut in the same. "Crippled" Yingling came through as an engineer and helped with the construction of a fine latrine. But why did you use pitchy wood Glen?

The final night at Hells Canyon was spent sleeping in the rain. It

(Continued on Page 51)

A.W.F.C. Conclave



On April 4th, two carloads of delegates from the University of Idaho left for Fort Collins, Colorado and the 10th annual Association of Western Forestry Clubs conclave. The first car to leave was that of Tom France and family along with Gene Brock. In the second car were Andy "Uncle Chalon" Harris, Bill Parson, Herb Allen, John Trojanowski (AWFC Vice president) and our official delegate Bob Brock.

Traveling to southern Idaho, across Wyoming to Laramie, and down to Fort Collins, we arrived on the 5th of April. After getting the registration fees and dormitory room squared away we departed with much haste

for the American Legion where a prefunction was held. That is all except for Andy who went to visit with friends living nearby. The prefunction was one of song and refreshments. It gave all of us a chance to meet delegates from the other schools and chat informally with them. The function ended at 11:00 and we went bowling for a while before finally going back to the room and our beds.

Thursday morning the conclave was officially opened by welcoming speeches from A.W.F.C. president Wayne Leusink, the president of Colorado's forestry club and Dean Wassser of Colorado State University. The dean also gave a short history of the

school and its curriculum at Colorado. The welcoming address was followed by a half-hour movie on the foresters ball at Montana State University. Then, after a coffee break, a review of club activities was given by all the vice presidents.

Member schools responding to roll call were: University of California, Colorado State University, University of Idaho, Montana State University, Oregon State College, Utah State University, Washington State University, and Humboldt State College. One guest school, Arizona State College, attended the conclave and became an official member of the A.W.F.C. Member schools not in attendance were the University of British Columbia and the University of Washington.

After the noon break and dinner, we met briefly for a talk and demonstration on McCulloch products and then went into committee meetings. Bill Parson went to the constitution and rules committee, Gene Brock went to the publications committee, Tom France and Andy Harris to the curriculum meeting, and Herb Allen and John Trojanowski to the club activities meeting. As our club has no conservation program as such, no delegate went to this meeting. In the committee meetings the various schools told of their problems and other delegates offered possible solutions. One of the main topics of discussion in at least two of the committees was how to improve the "social status" of foresters on the respective campuses. It was generally decided that this could be best accomplished through better dress and manners on campuses. At least two schools, Arizona State and Colorado State have programs aimed at this idea.

On Thursday evening the annual banquet was held at the Sportsman's. Elk steaks were served family style and everyone had a chance to eat all they could hold. It was an excellent meal. The meal was followed by a talk on the subject of Multiple Use in the Forest Service. This was the theme of the conclave as chosen by

the host school. We were able to pick up literature on the various aspects of multiple use during the conclave. After the banquet we again went bowling, this time together with the delegation from Washington State.

On Friday, we piled into our cars and headed for an all day field trip to the Denver Federal Center. Our first stop was the Bureau of Reclamation. Here we saw large scale models of projects such as the Glen Canyon Dam, tests on paints and finishes, and other Bureau projects. Leaving the Bureau, we ate in the cafeteria and then had a short meeting to select next year's host school. Both Montana State and Utah State put in bids to have the conclave, an after a somewhat heated discussion Utah State was chosen as next year's host.

We then continued on our tour going through the Fish and Wildlife services facilities and hearing two talks on the effects of insecticides, herbicides, and other poisons on fish and game. From here, we went through the U.S. Coast and Geodetic Surveys building. We saw the complete operation of making topographic maps and the instruments used for this work. The final leg of the tour was a visit to the Forest Service where we saw their methods of mapping.

That evening Andy stayed in Denver to visit friends, Tom went to visit with friends farther north, and the remaining crew returned to Fort Collins. The two lovers, Bob and Bill, had dates for the annual dance. Whether or not they made it to the dance is not too certain, but at least Bill managed to find a girl with access to a car, and they had a good time from their reports. At least one Idaho forester, Bill Parson, seems to think that Colorado coeds are quite nice. The rest of us went out to see the town for a short while and then returned to the dorm.

On Saturday morning we headed for the contests at Claymore Lake. After asking at a number of farm

houses we finally found a CSU student who led us to the area. There was snow on the ground, and the weather was cold but the contests went on.

Montana State made the best showing in the contests winning all but two events. Carson McDonald of MSU was the big winner and received a chain saw for his efforts. He won the chopping, powersaw, pole climb, and log throwing events. Runner-up was Bob Bosworth also of MSU. Needless to say, MSU had the largest number of points and took the trophy. In a tie for second place were ASC and CSU.

Idaho didn't do too well in the contests, but had fun participating. Bill was well on his way to winning the pole climb when he slid and was disqualified. Andy took a fourth in the single buck and won a new shirt, while Herb placed fourth in the powersaw event and won a pair of levis. The log carrying team of Gene, Herb, Bill and John took the only first place for Idaho by winning the event over

Arizona State by two tenths of a second. It was rumored that our prize was to be a case of beer, but we ended up with a ham instead.

One new contest was held this year, a multiple use quiz. Five of Idaho's delegates entered, but were only also rans. The event consisted of a quiz on such things as identifying big game horns and antlers, naming the parts of a saddle, identifying knots, and simple problems. It was very interesting and put an emphasis on brain rather than brawn. Washington State won this event.

After the contests were over we were served a meal at the forestry building and the 1961 A.W.F.C. conclave was then adjourned. We then headed for Idaho while Andy, John, Bob, and Bill took off on a trip through the southwest and California. The entire conclave was very interesting and many ideas were shared and gained. We would like to thank the Associated Foresters for sending us.

John Trojanowski



Rays $O_1 P_2$ and $O_2 P_1$ are parallel on photo 1, Page 30 . . . Horizontal angle $PO_1 O_2$. . . Rays $O_2 P_1$ and $O_2 O_1$ intersect point M . . . There for angle $PO_1 O_2$ is equal to angle $P_2 O_1$. . . Help!

Recreation -- Multiple or Singular

by John D. Hunt

What is this thing called "Recreation"? Where does recreation fit in multiple-use management? What will be the future demands and trends of recreation? Why is recreation causing such a stir in land-management and what are the trends and indications of its movement? These questions, and many others, are plaguing today's land manager.

Recreation can probably best be defined as the use of leisure time. How this time is utilized is a prerogative of the user. Generally, however, recreation is considered to be an enjoyable form of using leisure time. It may be hunting, fishing, skiing, camping, painting, photography, or just plain observing. The diversity of users and functions of recreation is one of its biggest problems. Recreation means many things to many people and, therefore, the land manager is confronted with the problems of satisfying the unpredictable man.

The demand for recreation has taken tremendous strides in the past few years. This can only be attributed to our progressive society, a society of advanced technology and increasing innovation. The United States is a society which is finding itself with increased leisure time, faster and easier modes of travel, and a rising disposable income. It is easy to see why these cause an increasing demand for more recreation satisfaction. With this time, money, and travel has come a changing state of mind in man. Recreation is becoming a conventional necessity to the nation's members. It is an integral part of man's progressiveness. Recreation is necessary to keep up man's efficiency, his "live to work" attitude, and his desire to satisfy higher and higher wants.

Recreation is a safety valve allowing man, in his fast moving, progressive society, to let off steam or, better yet to refresh and replenish a build up of nervous energy needed to afford him his progressiveness.

In 1960 recreationists made approximately one-half billion visits to national forests, national parks, and state parks. Many more millions of people visited other municipal, state, national, and private recreation areas. With these many visitors come many problems. Problems which are laid at the feet of the few professional land managers who must render a solution satisfactory to millions of non-professional users who are guided mostly by emotions. The land manager is confronted with the professional solution and the emotional solution. The emotional solution is generally a solution of oneness. It is a solution completely void of professional management techniques and hypotheses. The emotional solution in recreation is supported by those who have a limited concept of proper multiple-use management. It is a solution of the present with limited true regard for the future.

Recreation will be of the uppermost importance in the future but it must be carefully weighted with many other important present and future uses. When a professional solution has been made by those qualified to do so then and only then can recreation and the many other uses be properly allotted. It is, however, extremely difficult and misleading to speak of the professional solution. Why should this be the case when our institutions are turning out many outstanding young professional land managers each year to work with those members already in the field?

This is mainly due to the fact that recreational and even multiple-use managers do not have the diversified training necessary to do the job completely.

Why do I say this? Am I not defeating the whole purpose of that which I set out to build up? No, for those who are presently land managers and those entering the field are by far the best qualified men to handle land-use problems. There is no one better qualified! What then is the answer to broadening the land managers training? The answer lies in land-user research. A type of research having a multitude of variables—variables of the multiple-use concept. There is a definite need for increased and more diversified course work in the curriculums of land-use management institutions. Thousands of land-use questions can only be an-

swered by obtaining increased knowledge. The land manager who will find himself dealing with multiple-use management must not only have a thorough knowledge of basic and applied sciences but he must have an efficient knowledge of public relations, sociology, education, and economics.

Where does recreation fit in land management? It is only one of the integral parts of multiple-use. A part that rates a position equal to the primary resources of present land management ideas. The place that recreation holds in multiple-use management is becoming more important day by day. Recreation is a field like many in that remedies for its problems are being presented faster than the knowledge of these remedies. Research and education are lagging behind.

Xi Sigma Pi



Seated: Richard Ogle, Ranger; Malcolm King, Secretary-Treasurer; Bill Emmingham, Forester, Dan Pence, Assistant Forester. Standing Row 1: Jim Alberta, Steve Bonn, Gene Brock, Ben Hamner, Harvey Waldron, Bill Bright, John Hunt, Dave Adams. Standing Row 2: Paul Edgerton, Wayne Faulkner, Andrew Harris, Tom France, Carl Nellis, Dave Stere, Dave Heck, Wade Wells. Standing Row 3: Ben Burr, DeVon Nelson, Jim Trojanowski, John Trojanowski, Bob Smith.

Xi Sigma Pi is the National Forestry Honorary Fraternity and is open to qualified forestry students. Junior and senior students enrolled in forestry, in the upper 25 per cent of their class scholastically, who show promise of high professional achievement, and have good personality and character, are eligible for nomination by members.

Xi Sigma Pi originated at the University of Washington 1908. It became a national fraternity in 1915 and the Epsilon chapter at the University of Idaho was established in 1920.

The traditional steak fry and fall initiation of new candidates was held in the field house of the University of Idaho due to bad weather on the night of October 21. The new members initiated were: Paul Edgerton, Ben Hamner, Lee Ga'e, Dave Stere, Robert M. Smith, Dick Hartley, Tom France, Bill Bright, Scott Brown, Steve McDonald, Ben Burr, Dave Heck, Dave Faulkner, Jim Space,

Carl Nellis, Jim Trojanowski, John Trojanowski.

The spring initiation was held in the Forestry Building on the fourth floor and afterwards everyone went to the Moscow Hotel for the annual banquet. The new members initiated were: Phil Woolwine, Jim Dungan, Don Kauter, Gerry Magnuson, Darrell Barnard, Jim Burton, Harley Shaw, Billy McIlvain, John Hook, Alan Furniss, Arnold Bullock, Larry Wing, Bob Wood, Dr. John Schenk.

An after-dinner speech was given by Mr. Charles H. Bond. Everyone enjoyed his interesting speech on "Changing Times or Techniques in Logging and the Versatility of Forestry Education."

The officers of Epsilon chapter for the year 1960-61 were: Bill Emmingham, forester; Dan Pence, associate forester; Malcolm King, secretary-fiscal agent; Richard Ogle, ranger; Professor Seale, advisor.

They deserve a good hand for a job well done.



Okay, buddy; make your pla . . . !

Foresterettes

by Ann France



Foresterettes is an organization composed of wives of forestry students attending the University of Idaho. The purpose of our organization is to promote and provide friendship and social activities among the wives.

In our 1960-61 academic year, we were kept busy with our various activities. Our regular monthly meetings began in October with a get-acquainted meeting at the Campus Christian Center.

In November we were guests of the forestry faculty wives. This is our opportunity to become better acquainted with the wives of the members of the faculty; also, in Novem-

ber we began to increase our financial status by sponsoring a rummage sale. During this month we gave a party for our husbands. The party was held at the American Legion Cabin, with Dr. R. A. Hibbs of the Dairy Science Department calling the square dances. Afterwards we played games and enjoyed donuts and chili that was supplemented with deer and elk meat.

In December everyone was busy baking for our baked foods sale. Cartons of candy were also ordered and would be sold during the remaining portion of the school year. Our December meeting was held at the Home Economics Building on cam-

pus, with Miss Featherstone, the department head, showing us the art of making Christmas decor. After the demonstration, each Foresterette proceeded to make a decoration of her own. Following this, a gift exchange was held with Christmas cookies and punch being served.

The second semester found us preparing for the highlight of our organization—the presentation of a \$75 scholarship to a worthy and deserving member of either the Junior or Senior class. This year the award was presented to Russ Newcomb. It was presented by our president, Joy Best, during the intermission at



the Forester's Ball. Following this presentation, we performed a skit entitled "Forestry Summer Camp in Jellystone National Park," with Huckleberry Hound, Yogi Bear, Boo-Boo, and all of the "commercials." Also, the professors and students along with the Forest Ranger helped make the cast complete.

In April our meeting consisted of making plans for a tea, at which the faculty wives were our guests. A fashion revue was planned to highlight the tea.

The last event of the year will be our pot-luck picnic, where we will enviously bade the seniors good-bye and extend a "see you in the fall" to our remaining members and families. With this we will bring to a close another successful year for Foresterettes.

First Semester Officers:

President—Lynne Hunt
 Vice President—Joy Best
 Secretary—Barbara Adams
 Treasurer—Ann Robertson
 Historian—Ann France
 Goodwill Chairman — Marge Lincoln

Second Semester Officers:

President—Joy Best
 Vice President—Marilyn Hungerford
 Secretary—Carole Heinz
 Treasurer—Pat Bell
 Historian—Norma Gale
 Goodwill Chairman—Sharon Hughes

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Steak Fry--1960

by Russ Newcomb

The kick off of the forester's activities for the 1960-61 term was again our fall steak fry. Of course our weather was what one might call "a bit unfavorable," but it had little effect on the rough, tough foresters. The events started around 10 o'clock and the spirit of competition was in the air.

Andy Harris and his "pet" axe came through on top in the chopping contest with Bob Brock chewing through for a very close second.

Al Furniss and Dick Beier tied for first on pacing the obstacle course.

Those men really feeling their oats gave the log throw a try. Most of them found out that a water soaked pole doesn't throw as easy as the ones they practiced on this summer. Bill Parson topped the throw and Bob Oring followed him.

Andy Harris whipped out the old cross-cut saw and literally made it fly through that log. Gene Brock gave him a good run and followed him by taking second place.

When Andy Harris and Bob Brock got together in the double buck, the sawdust really flew. Bob Smith and Bob Cochran gave them some stiff competition but that last few inches always seems to be the hardest to pull through.

Those with a keen eye and a sharp axe gave the match splitting a try. I think a little luck was involved after I had viewed some of the equipment. Bill Emmingham had the keenest eye for this event and John Fink was a close runner up.

Matching wits with a stubborn and sometimes tricky log was Vince Naughton who pulled first in the log roll. Bob Brock (the instigator of this whole affair) rolled into a second place position.

Those really having a strong stomach tried their luck at hitting the bulls eye with a quid or two. Carl

Lind had the best elevation and correct windage so he placed first. Dr. Ken Hungerford didn't adjust quite enough so he pulled a close second.

The seniors showed they were good for something when they came in first in the log carry.

A lot of effort went into laying out the cross country course. I think it was the farthest Nielson had been off of the road in months and Pence must have been on the trail of an elk when he began tying those route markers. No one wanted to run the cross country sprint, even after all of Hunt's urging and challenging.

Another event that was left out this year was the manly art of burling. Everyone was already soaked to the skin so no one really desired a quick dip in the pool.

The real draw card of the day was the chow. Hungry men were lined up better than 160 deep for a chance to get at those baked beans, potato salad, hard rolls, and a big, thick, juicy, delicious beef steak. Man—what a feed. All of this food followed by a hot cup of coffee or hot chocolate and some ice cream, sure made a man appreciate being alive. Even though we had to drain off about a half inch of rain to cut our steak or scoop up a fork full of beans. That beef steak had the professional touch to it that day for sure. Special thanks should go to ol' Dean Ern and his competent staff of "cooks." We found out that all of these foresters, wildlifers, fisheries men and range managers are good for something anyhow.

Top "foresters" of the day were Andy Harris, Bob Brock, Bill Parson, Vince Naughton, and Gene Brock. All of the top competitors in each event were rewarded for their efforts and the all-around forester—Andy Harris—really cleaned up; especially since hunting season was just around the corner.

The Associated Foresters wish to thank the following merchants for their contribution of prizes for the Steak Fry:

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Wood Utilization

(Continued from page 31)

In the Wood Technology option emphasis has been, is, and will continue to be placed on a thorough training in the basic fields of mathematics, chemistry, physics and the biological sciences. This combination is not offered in curricula of engineers and others who specialize in the older more well established fields. This course is demanding, but if we are to prepare men properly for the problems of tomorrow, there can be no short cuts.

Our Wood Technology curriculum places Idaho in the top quarter of all the universities in the country according to a recent study by the Society of Wood Science and Technology. Still another standard of judgment may be based on the records of her graduates. Among the men who have excellent records are Jack Sullivan, Professor of Wood Technology at Duke, Ben Jayne, Associate Director of Research at the Institute of Technology, Washington State University, and Eugene Bryan who is completing his doctorate at California.

In addition to teaching, service is a function of the utilization group. Numerous inquiries are answered relating to problems of people in Idaho. Two years ago we conducted a log grading short course. Last year we helped put on National Forest Products Week here in Idaho.

In research, our principal interest is wood quality and how it is affected by environment. Last summer Ralph Maloney, who is working for a masters degree and holds the Potlatch Fellowship, sampled Douglas-fir plots in Montana, Idaho, Washington and Oregon. Our study seeks to interrelate such factors as specific gravity, per cent summerwood, growth rate, soil properties, geographic location, and ecological features. We expect that these findings will furnish basic information of interest to geneticists and foresters in growing wood of maximum economic value.

Training young men to skid with horses was important when this option was founded. Today we seek to prepare young men for the far more complex and challenging problems of tomorrow.

Summer Camp

(Continued from page 39.)

dripped on sleeping faces, and ran into sleeping bags and improved tents, but it was welcome. Thanks to the rain, the word came that we were leaving. Being the first crew to leave (after the Mexicans, Indians, and National Guard) we headed for McCall.

Upon getting to McCall, many things beckoned including the showers, a swim, and probably first and foremost the Cellar. Hank Smith spent at least part of the evening sitting in a clothes dryer chatting with a local policeman. And Joswick belched. John Hunt and Dave Adams spent most of the night preparing the

timeslips so that pay could be collected the next morning. Finally, leaving summer camp to the 4-H'ers everyone headed happily for home or work knowing that summer camp was behind.

Jim Trojanowski

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Honors and Awards

The College of Forestry has several awards that are bestowed upon outstanding students. These students are not only superior academically, but also take active participation in school activities. The selection of these individuals is made by the faculty, student groups, and other organizations.

Each year the Forestry honorary, Xi Sigma Pi, awards the honor of "Outstanding Forester" to some senior who has been superior in all of his participations. This includes high scholarship and an active role in activities. This year, the honor went to the well-deserving Dan T. Pence. Xi Sigma Pi also places the names of those who have the highest grade point each year for each class on plaques in the Forestry Building. Last year's top students were: Freshman, James Zennder; Sophomore, James Space; Junior, Laurence Ellison; and Senior, Donald Hauxwell.

The North Idaho Forestry Association gives an award at the time of commencement to the most promising graduating senior. Last year, Donald Hauxwell was the recipient.

Other scholarships and fellowships:

Post-Graduate Fellowships:

Edgerton, Paul, Ph.D.	National Defense Fellowship
Harris, Andrew, Ph.D.	National Defense Fellowship
Hauxwell, Donald, Ph.D.	National Defense Fellowship
Hunt, John, Ph.D.	National Defense Fellowship
Maloney, Ralph, M.S.	Potlatch Forest Foundation
Presby, Richard, M.S.	University of Idaho Fellowship
Waldron, Harvey, Ph.D.	Washington State University Fellowship

Undergraduate Scholarships:

Berg, David	Out-of-state Tuition
Berquist, Jon	Out-of-state Tuition
Betanoff, Jean	Out-of-state Tuition
Capellin, James	Potlatch Forest Scholarship
Ellison, Laurence	Crown Zellerbach Foundation
Froeming, Dennis	Potlatch Forest Scholarship
McDonald, Stephen	Potlatch Forest Scholarship
Pence, Dan	Crown Zellerbach Foundation
Smith, Bob	Out-of-state Tuition
Trojanowski, John	Out-of-state Tuition
Wilkerson, Lyle	Potlatch Forest Scholarship

Since the fall of 1959, a special honor has been given to those students making a 3.00 grade point or better. At the end of each semester, a list of those students is published, called "The Dean's Honor List." The following students have appeared on the list. The number preceding the name indicates the number of times each student has been on the list. A minimum of 15 credits must be carried.

SENIORS

- (1) Andrick, John
- (1) Allgair, John
- (2) Brock, Eugene
- (1) Campbell, John
- (3) Dickerson, Fred
- (3) Dungan, James
- (3) Ellison, Laurence
- (3) Emmingham, William
- (3) Gustad, Orvis
- (3) King, Malcolm
- (1) Lockard, Gordon
- (1) Martin, Glen
- (2) Murphy, Bernard
- (2) Pence, Dan
- (3) Polz, Ernest
- (1) Reeb, Michael
- (3) Richmond, Robert
- (1) Ritchey, Norman
- (1) Robertson, Harold
- (2) Schultz, Edward
- (2) Sharpnack, David
- (1) Taubman, James
- (1) Toffling, James
- (2) Waldron, Harvey
- (3) Wells, Wade

JUNIORS:

- (2) Anderson, Bruce
- (2) Bright, Bill
- (1) Burr, Benjamin
- (1) Burton, James
- (3) Faulkner, David
- (2) France, Tom
- (1) Gale, Lee
- (2) McDonald, Stephen
- (2) Nellis, Carl
- (2) Reay, David
- (3) Space, James
- (2) Shackelford, Robert
- (2) Trojanowski, John

SOPHOMORES:

- (1) Cametti, Tom
- (1) Hansen, Edward
- (1) Hungerford, Roger
- (1) Keuter, Donald
- (1) Lapen, Robert
- (1) Leege, Tom
- (1) Magnuson, Gerald
- (1) Odom, Frank
- (1) Robertson, Larry
- (1) Smart, Robert
- (1) Stoup, Glenn
- (1) Taylor, Laurent
- (1) Yarwood, Joseph
- (1) Zander, James

FRESHMEN:

- (1) Berquist, Jon
- (1) Burkhardt, Jerald
- (1) Canfield, Elmer
- (1) Depree, James
- (1) Eubanks, James
- (1) Kottkey, Robert

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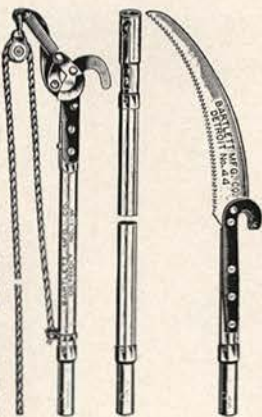


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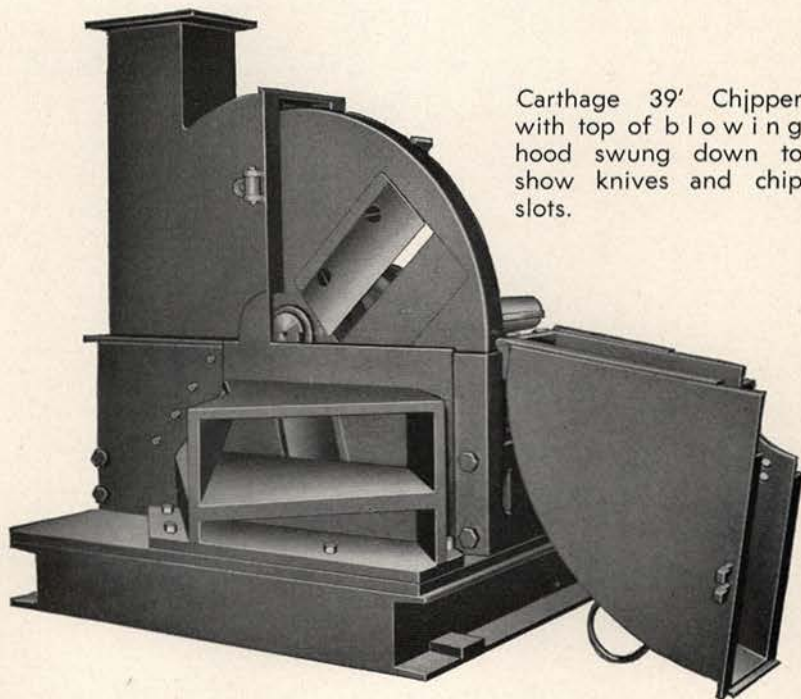
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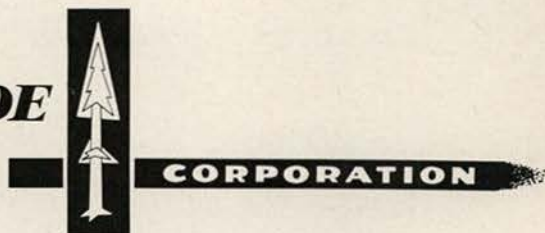
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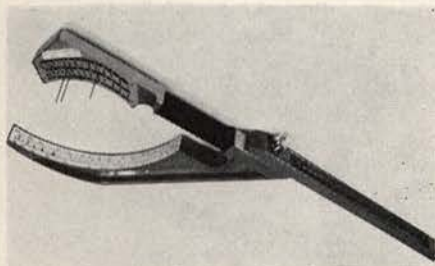
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