

1947

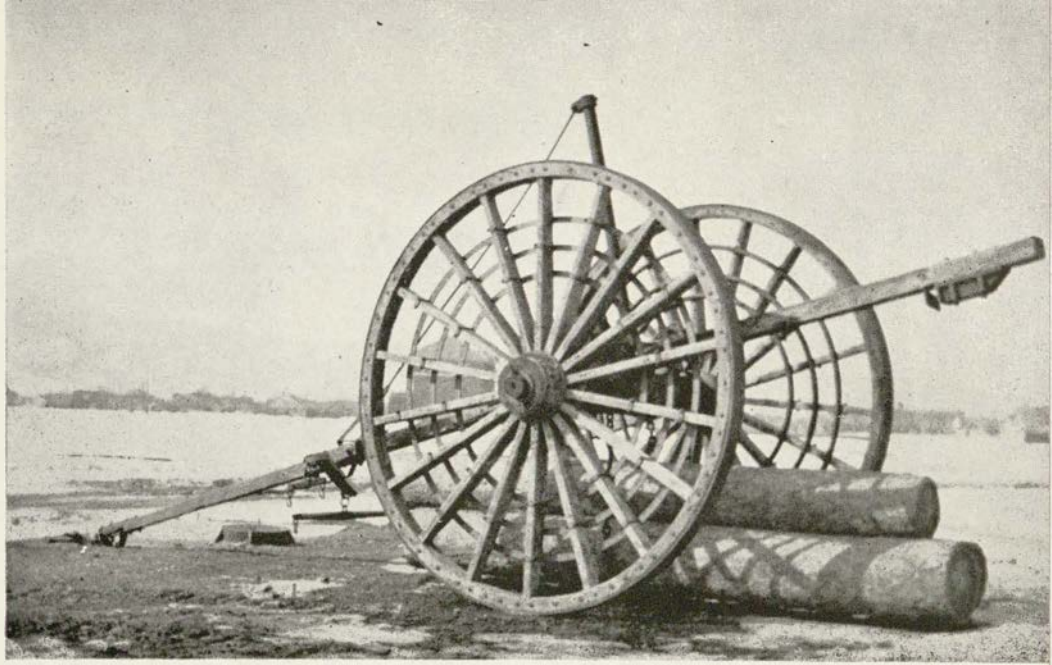
FORESTRY KAIMIN



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THE
FORESTRY
CLUB
of
THE SCHOOL
of
FORESTRY

Presents:



The 1947
Forestry Kaimin



Published at

MONTANA
STATE
UNIVERSITY

MISSOULA, MONTANA

Dedication



The School of Forestry has known Fay since 1922. We today know him for his twenty inch "slip stick", his monocle, and his philosophy. For his outstanding leadership and his maintenance of outstanding Forestry School and Forestry Club traditions, it is an honor to dedicate this 1947 Forestry Kaimin to the "Bull of the Woods"—Fay Clark.

The Forestry Club

Welcomes



TOM WALBRIDGE

University of Washington '37-'42 B. S. F.

In '39 and '40 was Forestry Clerk in CCC, Glendora, California. Summer '40 with Peterman Mfg. Co., Tacoma, Washington, cruising, mapping, truck road location, and construction crew. Summer '42 with Los Angeles City Schools as Supervisor of Summer Camps. Navy for 3 years. Took graduate work at University of Washington second Semester, 1946. Came to Montana Forestry School in June 1946 and is instructor in Mapping, Surveying and Engineering.

CHRIS KUEHLKE

Colorado A. and M., '33-'37, B. S. F.
Yale, '38, M. F.

June '38 Idaho Natl. Forest Trail Survey. Oct. '38 Colorado and Wyoming insect control, Roosevelt Ntl. forest. December '38 private consulting and tree surgery for a year. Army for six years. In March 1946 he became General Mgr. of the Roanoke Railroad and Lumber Co., in Washington, N. C. He came here in Sept., '46, and is Associate Prof. of Silviculture and Forest Management.



Foreword

The second post-war edition of the Forestry Kaimin finds the School of Forestry doing its best in these times of crowded colleges to handle the largest classes in its history. With an enrollment of well over 400 in the school, the Forestry Club had a boom year, with the largest membership in its history. The Kaimin staff, then, presents a small cross sectional view of this great year, introducing many new faces, renewing our acquaintances with many former friends and pictorially presenting a kaleidoscopic view of the year's activities. The newly awakened group is again taking its place in the intra-mural life of the school, entering teams in the Basketball, Bowling, and Softball tourney, as well as in the "M" Club Tournament. Organized sub-groups such as the Ski Club, and Rifle Club are in full swing. And finally, we present the first two night run of the Forester's Ball. And so—we, the staff, present for your approval the 1947 FORESTRY KAIMIN.

FORESTRY KAIMIN STAFF:

Editor in Chief	Bob Casebeer
Associate Editor	Don Leaphart
Business Manager	Norman Allison
Assistant Business Manager	Lowell Asher
Business Staff	Dick McElfresh, Elmer Heisel, Bill Lockhart, Ed Bangle, George Ziegler, Charles Schwab, Don Schofield, Herb Allender, Bob Morgan, Layton Jones, Bob Davidson, Colleen Mc- Carthy.
Editorial Staff	Franklin Cech, Ogla Cech, Larry Casey, Sterling Wardell, Charles Kern.
Alumni Section	Bob Kincaid
Photography	Virgil Lovingfoss, Joe Saltzman, Bob Casebeer, Frank Bailey
Art	Tom Walbridge



"The Chinese Wall"

Faculty

and

the Annual Cut



Browman, L. G.
Zoology
Human Physiology



Waters, C. W.
Forest Pathology
Silviculture
Dendrology



Wright, P. L.
Zoology
Mammalogy
Ornithology

Spaulding, T. C.
Forest Policy
Forest Economics
Forest Utilization

Patton, O. M.
Manager of Forestry
School Nursery

Davis, K. P.
Dean of Forestry School,
Survey of Forestry

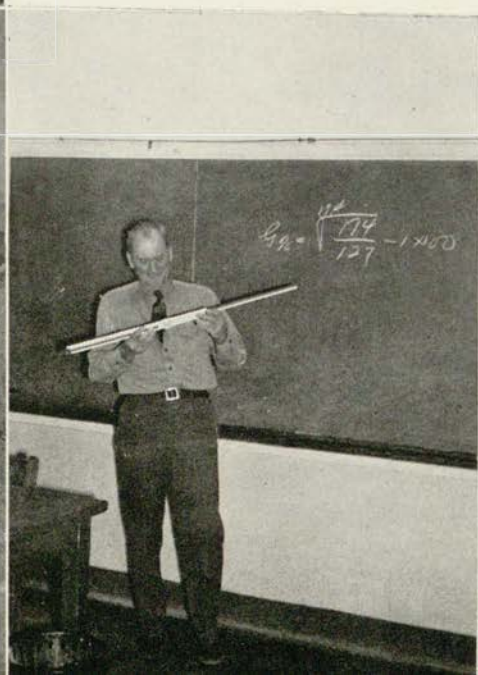
Faculty

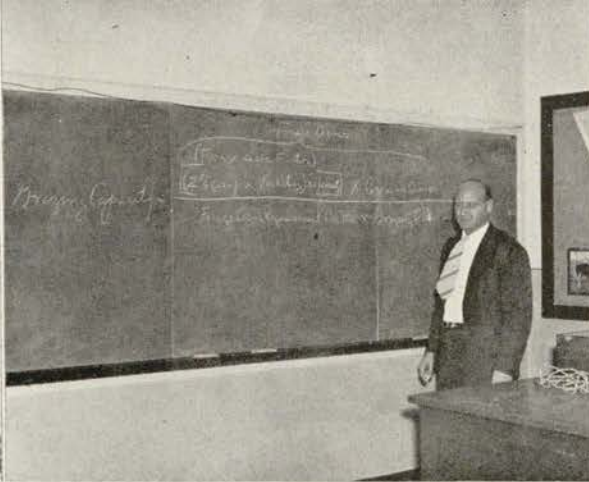
Harvey, L. H.
(Not Pictured)
Systematic Botany

Diettert, L. H.
Botany
Plant Physiology
Pendrology



Clark, F. G.
Forest Measurements
Forest Valuation





Morris, M. S.

Range Management
Soil Technology
Wild-life Management

Edna H. Campbell (Mrs.)

Forestry School Secretary

Severy, J. W.

Biological Science
Plant Physiology

Castles, G. B.

Zoology
Entomology
Animal Ecology

Kuehlke, C. G.

Silviculture
Forest Management

Brunson, R. B.

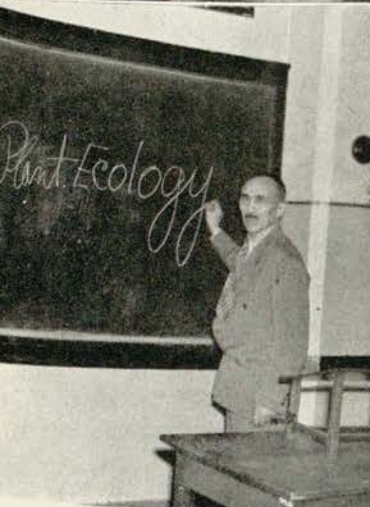
Zoology

Kramer, J.

Botany
Plant Ecology
Plant Physiology

Walbridge, T. A.

Logging Engineering
Mapping
Surveying



Faculty

Graduating Seniors



Ayers, Oscar

Missoula, Montana
Range Management

Summer work: Range examiner, AAA Dept. of Agriculture, '40, '41; Range Survey, USFS, '46.
Military Service: Navy, Pacific.



Bailey, Frank T., Jr.

Ekalaka, Montana
Forest Management

Forestry Club, 1, 2, 3, 4, 5, Vice Pres.; Forester's Ball—Photographer and Equipment Chairman; Forestry Kaimin, 2, 3, 4, 5; Photographer; Rifle Club Pres., 4; Sec'y., 3; A.W.F.C. representative, 2, sec'y., 3; Druids, 3, 4, 5; Varsity Rifle Team 3, 4.

Summer Work: Forest Guard and Trail foreman, '36, '37, '38, '39; Fire and Trail foreman, '40; Dispatcher and alternate ranger, '41, '42, Flathead Nat'l Forest; Alternate Ranger in charge of fire control, Clearwater National Forest, '43.

Military Service: Forest officer, Engineer Construction Battalion, Juzon, Philippine Islands, in charge of logging operations and sawmill.



Casebeer, Robert L.

Scobey, Montana

Wildlife Management and Range Management

Forestry Club, 1, 2, 3, 4, 5; Foresters' Ball, Decorations and Photographer; Forestry Kaimin, 4, Editor 5; Rifle Club, 4; Druids, 4; Secretary 5; Phi Sigma, 3, 4, 5; Assistant General Botany, 5.

Summer Work: Forest Guard, Lolo National Forest, '39, '40; Student Refuge Assistant, Medicine Lake National Wildlife Refuge, '41; Big game census and study, Montana Fish and Game Department, winter '41-'42; Forest Guard, Flathead National Forest, '42; Game Bird study, Montana Fish and Game Department, Fall '42; Mountain Goat Census and study, Montana Fish and Game Department, '46.

Military Service: Army Air Corps, Africa.



Craft, Archie D.

Missoula, Montana

Forest Management

University of Missouri: U.C.L.A.; Forestry Club, 3, 4; Foresters' Ball; Druids, 4; Assistant Soils, 4; Varsity Football, 3.

Summer Work: Forest Guard, Lolo National Forest, '46.

Military Service: Army Air Corps, Europe.



Finch, Tom L.

Spokane, Washington

Forest Management

Forestry Club, 1, 2, 3, 4, 5; Forestry Ball, special features, doorway decorations, 1, 2, 3, 4, 5; Jr. Exec. Bd. Representative, 3; Forestry Club President, 4; Druids, 3, 4, 5; Vice President, 4; Scabbard and Blade; Instrument Room Attendant, 3, 4; M Club Boxing Tournament, 4.

Summer Work: Student Fire Camp, Lolo National Forest, '41; Timber Marking and Scaling, Flathead National Forest, '42.

Military Service: Army, Infantry.



Hamre, Vern

Opportunity, Washington

Forest Management

Washington State College, '42-'44; Forestry Club, 3, 4, 5; Pres., 4; Foresters' Ball Ass't Push, 4; Druids, 4; Historian, 5; Phi Sigma, 4, 5; Silent Sentinel, Pres., 5; Organized Independent Students, 3, 4, Pres. 3.

Summer Work: Blister Rust Control, Clearwater National Forest, '42; Forest Guard, '43; Headquarters Guard, '44; Timber Sales, '45; Dispatcher, '46; Coeur d'Alene National Forest.



Hofferber, Merle

Los Angeles, California

Forest Management

Forestry Club, 3, 4, 5; Foresters' Ball, 3, 4, 5; Ass't Editor Forestry Kaimin, 4; Druids, 4, 5; President, 4; surveying-mapping Ass't, 3.

Summer Work: Fire Suppression, Calif. State Div. Forestry, '39; Student Fire Camp, Nine Mile, '41; Headquarters Guard, Newport Ranger Station, '42; Dispatcher, Bonita Ranger Station, '46.

Military Service: Army, ETO.



Holte, Gordon G.

Lambert, Montana

Range Management

Forestry Club, 1, 2, 3, 4, 5; Ass't Treas., 3, Treas., 4; Foresters' Ball, eats; Ski Club, 1, 2, 3, 4, 5; Druids, 3, 4, 5; Treasurer, 4; Phi Sigma, 3, 4, 5; "Who's who among American Colleges and Universities," 3; Men's co-op Pres., 2; House Manager, 3, 4.

Summer Work: Blister Rust Control, St. Joe National Forest, '41; Headquarter's Guard, Custer National Forest, '42.

Military Service: Army Engineers, Europe.

Graduating Seniors



Jones, Layton F.

Deer Lodge, Montana
Forest Management

Forestry Club, 1, 2, 3, 4, 5; Foresters' Ball, special features; Ski Club, 1, 2, 3, 4, 5, Pres., 4; Intra-mural basketball, 1, 2; Softball, 1, 2, 3; Bowling, 5; Forestry Club Property Manager, 4, 5.

Summer Work: Forest Guard, St. Joe National Forest, '38; Gravel Checker, Montana Highway Commission, '39; Forest Guard, Glacier National Park, '40, '41; Blister Rust Foreman, Glacier National Park, '46.

Military Service: Corps of Engineers, Aleutians and Europe.

Lukes, William P.

Great Falls, Montana
Range Management

Forestry Club, 1, 2, 3, 4, 5; Foresters' Ball, 1, 2, 3, 4, 5. Summer Work: Blister Rust Control, Clarkia, Idaho, '39; Engineering Aid, Big Sandy, Montana, '45; Engineer Aid, Choteau, Montana, '46.

Military Service: Army, ETO.

Moe, Morris E.

Great Falls, Montana
Timber Management

Forestry Club, 1, 2, 3, 4, 5; Foresters' Ball, 1, 2, 3, 4, 5; Rifle Club, 2; President, 3; Druids, 3, 4.

Summer Work: Lookout, '39, '40, '41; Hq. Guard, '42; Alt. Ranger, '46; Lewis and Clark Nat'l Forest.

Military Service: Army Air Corps, ETO.

Schmaltz, Jack E.

Sheridan, Wyoming
Range Management

Forestry Club, 1, 2, 3, 4, 5; Foresters' Ball, Chief Push, 5; Druids, 3, 4, 5; Sec'y-Treasurer, 4; Vice Pres., 5; Phi Sigma, 2, 3, 4, 5; President, 5; Silent Sentinel, 5; Kappa Tau, 3, 4, 5; Bachelors Club President, 3; Assistant Botany, 2, 3, 4, 5; Phi Sigma Scholarship Award, 4.

Summer Work: Range research and Range riding, Lubrecht Exp. Forest, '41; Range Surveys, Grazing Service, '42; Alternate, Beaverhead Nat'l Forest, '46.

Military Service: Army Air Force, ETO.

Streed, Harris A. "Casey"

Kalispell, Montana
Forest Management

Iowa State; Forestry Club, 2, 3, 4, 5; Foresters' Ball Senior Adviser, 4, 5; Chairman, Mule Packing, Practical Course, 4; Druids, 4, 5.

Summer Work: Trail location and construction, '28, '29; Trail Traverse, '30; Commissary Clerk, '31; Lookout fireman, '32; Hq. Guard, '33; Timber Cruiser, '34, Flathead Nat'l Forest; Fire control and transportation planning, Nez Perce Nat'l Forest, '35; Winter Big Game Study, Flathead Nat'l Forest, '35, '36; Fire Foreman, '36; Ranger Alternate, Flathead Nat'l Forest, '37, '38; Helena Nat'l Forest, '39; Adm. Guard Beaverhead Nat'l Forest, '40; Timber Cruiser Flathead Nat'l Forest, '45; Chief-of-Party (timber survey) Flathead Nat'l Forest, '46.

Military Service: Army Air Force, Australia, CBI.

Street, James E.

Bottineau, North Dakota
Range Management

Forestry Club, 1, 2, 3, 4; Vice President, 3, and President, 4; Foresters' Ball Ass't Push, 3; Forestry Kaimin Staff, 3; Ski Club, 3, 4; Druids, 3, 4; Phi Sigma, 3, 4; Silent Sentinel, 4.

Summer Work: Telephone Main, Lolo Nat'l Forest, '43; Hq. Gd., Helena Nat'l Forest, '44; Range Reconnaissance, Regional Office in Missoula, '45; Ass't Ranger, Beaverhead Nat'l Forest, '46.

Wardell, M. Sterling

Joplin, Montana
Forest Management

Northern Montana College, '34, '35; Forestry Club, 3, 4, 5; Foresters' Ball, Ass't Push, 5; Forestry Kaimin Editor, 5; Rifle Club Secretary, 4; Phi Sigma Kappa, 5; Bachelor's Buying Club, 4.

Summer Work: Tree Surgery Division, Schneider's Nursery, Detroit Michigan, '39; Blister Rust Pritchard, Idaho, '38; Fire Guard, Wallace, Idaho, '40; Dispatcher, Darby, Montana, '45; Dispatcher, Canyon Ferry, Montana, '46.

Military Service: Army, Southwest Pacific.

Wilson, James E.

Rolla, Missouri
Forest Management

Forestry Club, 1, 2, 3, 4; Vice President, 4; Foresters' Ball, 1, 2, 3, 4; Druids, 3, 4; Treasurer, 4; M Club Tournament (wrestling), 2; Forester's Softball team, 3; Organized Alumni, 4.

Summer Work: Lookout, Kootenai Nat'l Forest, '38, '39; Road and Trail maintenance, Kootenai, Nat'l Forest, '40; Clearing right of way, Sunday Cr. Rd., Ant Flats Ranger Station, '40; Hq. Fireman, Raven Ranger Station, '41; Brush disposal, Troyes Ranger District; Dispatcher, Lolo Nat'l Forest, '46.

Military Service: Army Engineers, Alaska, ETO.





First row: Dick McElfresh, Jack Schmautz, Tom Walbridge, Robert Casebeer.

Second row: Melvin Morris, Charles Waters, Merle Hofferber (President), James Street, James Wilson, Lowell Asher.

Third row: Archie Craft, Robert Davidson, Vern Hamre, Morris Moe, Layton Jones.

Back row: Fay Clark, Don Schofield, O. M. Patten, R. Dietter, Frank Bailey, Harris Streed, Don Leaphart, Dean Kenneth P. Davis.

Montana Druids

Since its reestablishment in 1946 after that lull affecting all activities caused by the "big bang," the Druids have been steadily pushing along, ever working for the best interests at the Forest School and its students.

First organized in 1923, the Montana Druids are chosen from Juniors and Seniors in the School of Forestry who have indicated by their scholarship and their interest and participation in forest school functions and forestry club activities that they are leaders and are interested in the betterment of the School.

Passing officers of the organization are Merle Hofferber, President; Jack Schmautz, Vice President; Bob Casebeer, Secretary; Jim Wilson, Treasurer; and Vern Hamre, Historian. Those who will carry on next year are Don Schofield, President; De Wilton Smith, Vice

President; Bill Lockhart, Secretary; Wes Ferguson, Treasurer; and Norman Allison, Historian.

Two initiations were held this year with Tom Walbridge and Chris Kuehlke our new faculty members, and students Don Schofield, Don Leaphart, Layton Jones, Lowell Asher and Archie Craft being selected for the fall initiation. Wes Ferguson, Bill Lockhart, De Wilton Smith and Norman Allison were initiated during the winter quarter. For the first time in its history women were selected for Druids, Jean Hamre and Colleen MacCarthy also being initiated at the winter initiation.

A fall letter was put out this year and was nobly edited by Dick McElfresh. The Druids annual dinner dance was once again brought to life and was held this spring quarter. The spring letter is in its embryo stage but will be sent out by the end of the quarter.

Forestry Club

and its

Activities



Pres. Street



FORESTRY CLUB OFFICERS

Seated: Jack Schmutz (Chief Push), Don Porter (Treasurer), Colleen McCarthy (Secretary), Jim Street (President), Jim Wilson (Vice President).
 Standing: Bill Mlynek (Junior Representative), Morris Moe (Senior Representative), Bob Casebeer, (Kaimin Editor), Euel Davis (Sophomore Representative), John Miller (Freshman Representative).

DOMINANTS



First row: Archie Craft, Jim Wilson, Bob Casebeer, Norman Allison, Casey Streed. Second row: Morris Moe, Bill Lockhart, Ralph McAvoy, Frank Bailey, Lowell Asher, Tom Finch, Gordon Holte, Lewis Yarlett (Graduate), Jean Hamre, Layton Jones, Jack Schmautz, Vern Hamre, Colleen McCarthy. Third row: Dick Baldwin, Don Rodgers, Dick McElfresh, Bob Bloom, Bob Davidson, Jim Streed.

CO-DOMINANTS



First row: Bill Mlynek, Don Schofield, Larry Casey, Lee Davis, Al Rapp, Dave King, Bob Molloy, Wes Ferguson, Abijah Cook. Last row: Murray Athearn, Russ Degroat, Ed Eggen, Joe Saltzman, Joe Martinez, Chuck Schwab.

INTERMEDIATES



First row: Bob Beebe, Vern Sylvester, Jim Faurot, Leon Cohen, Dave Thatcher, John Fields. Second row: John Waldron, Dave McDonald, Jack Merkle, Gabriel Trouchon, Gareth Moon, Chuck Simpson, Pat Barden, Virgil Lovingloss, Leo Wolf, George Turcott, Sherman Weldon, Bill Walker. Back row: Bob Kincaid, Harry Hermes, Lloyd Weir, Glenn Kennedy, Kenny Sharpe, Chuck Godard, Fred Gierdal, Gordon Matheson, Frank Kline, John Weber.

SEEDLINGS



First row: Bill Mitchell, John Higgins, Charles Kern, Richard Koeritz, James McElvain, Larry Armstrong, Ronald Loebe. Second row: Herb Allender, Charles Dugan, Erling Arnston, Royce Satterlee, Maurice Wesen, Wilbert Miller, Harry Severtson, Dave Hughes, Russell Drabbs, Tom Monahan, Ed Rogan, Lou Garski, Herb Chatterton, Ed Bangle, Bill Bush, Don Stinger, Harold Stanton, Fabian Schnablegger, Jack Stephenson. Third row: Oliver Ballard, Jim Anderson, Bob Holt, Joe Sieminski, Robert Gashwiler, Anthony Gies, Leslie P. Donovan, John Trickel, Bill Bandt, Walt Them, Bill Frazer, Norman Knapp, John Lanze, Bob Leamer, Gerald Butler, Bernard Mackle.



Starting on Fall Hike



On the Way



A Little Volley Ball



Sawing Contest



For the Foresteretts



Freshman Initiation



Forestry Home Ec. Party



Off-hand



Forestry Rifle Club



Fall Dance



Ski Memory



Foresters—honest!



We Came Out Seventh



"Guilty"



Chow



Drahos Again



More Chow



Ski Club 1946-47

The Forestry Ski Club was reorganized in Fall Quarter and officers were elected, being President, Jim Barr; Vice President, Jim Faurot; Secretary-Treasurer, Joe Saltzman. Initial attendance was excellent and ambitious plans were made for several trips into the tall timber.

Eight of the members pooled their funds and took over the Pattee Canyon ski tow and made extensive repairs and bought a new rope. The ski tow was in operation for the entire season with the exception of two weekends when the motor broke down. Everyone seemed to enjoy it a great deal with the exception of one Layton Jones who took an en-

tirely involuntary ride one day when his sweater became entangled in the rope.

The Ski Club spent most of their weekends at Pattee Canyon. However, a few jaunts were made into the high country. Several members made a four-day trip into the head of the Rattlesnake country early in the year. During spring vacation several members made trips to Stuart Peak and Marshall bowl.

Our injury roster was favorably light this year. Sherman Weldon twisted his ankle early in the year but kept on skiing. Layton Jones's wife broke her leg during Christmas vacation. When spring vacation rolled around Jones de-

cided to play it smart and not go skiing, and went on a religious conclave instead. He came back wearing a cast and on crutches. His remarks about the fates in general do not bear repeating here.

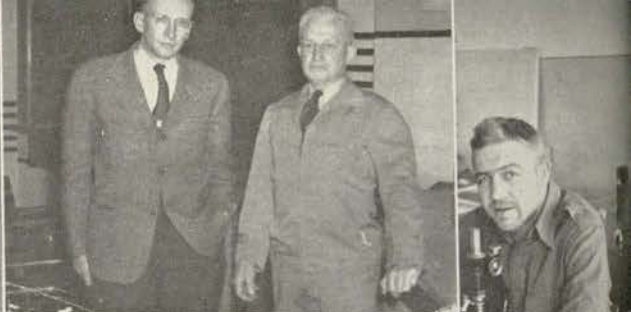
We made extensive use of the Forestry Club Ski equipment and sleeping bags through-

out the season. They were paid for with a handsome profit through rentals. We expect to buy more equipment in the near future.

Altogether we had a very successful season this year, we expect an even bigger and better Club next year.

LAYTON JONES.







Recreational Use Permit

"Permission is hereby granted to Joe Forester and his date to use the established recreational area of the 30th Annual Foresters' Ball from 9 p.m. to 1 a.m. on Friday and Saturday, February 7 and 8, 1947."

So read the ticket for the biggest and best ball ever held at Montana State University. For the first time in its history Foresters' Ball reigned for two successive nights, and neces-

sarily so, because of an enrollment at MSU nearly double that of pre-war years. Needless to say, a capacity crowd jammed the hall on both nights.

Many man-hours were spent in preparing for this annual affair. The largest School of Forestry since the founding of MSU supplied this manpower. Willing hands pitched in to help Chief Push Jack make the Ball the grand success that it was.





Forestry Club Loan Fund

The campaign for funds to create an Alumni Memorial Scholarship fund has prompted many of the Alumni to ask about the Loan Fund and it's relationship to the Scholarship Fund. It is the purpose of this brief report to clear up the matter.

The Loan Fund was created by the Forestry Club. The proceeds of the Foresters' Ball and the interest on old loans were the sources of funds by which the Loan Fund is operated. The conditions whereby loans are made from the Loan Fund are set by the Forestry Club. These conditions are:

1. Any regular Junior or Senior member of the Forestry Club in good standing.
2. Amount of loan based on need. Usually \$50 and seldom over \$100.
3. Non interest bearing if paid prior to October 15 of year in which loan is made. Interest bearing if not paid before that date.

The function of the Loan Fund is to provide small loans to any regular Junior or Senior student in the Club under conditions requiring no collateral and free of interest if temporary.

The Alumni Memorial Scholarship Fund is a fund derived by grants from the Alumni. The money so obtained is to be used to purchase interest bearing bonds. The interest will provide the money for scholarships. It is the plan at present to give the scholarship to the most promising student who has completed his Junior year. The student selected will be an in-

dividual of high scholarship, leadership and other qualities. Need will be given little or no consideration. This scholarship may be thought of as a prize or an acknowledgment of achievement.

It can be then seen that there is little relationship between the Loan Fund and the Scholarship Fund. The Loan Fund makes loans to students while the Scholarship Fund gives a prize. Someone may then question the need for a Scholarship Fund. The answers are many. Scholarships promote interest in achievement. It indicates that the school recognizes scholarship. It commemorates some individual or groups such as our alumni.

The only way the Loan Fund may be tied in with the Scholarship Fund would be to have part of the loan fund diverted to the purchase of long time interest bearing bonds in order that the interest may be used for scholarships. The club has not felt this to be desirable or necessary. The club anticipates heavy use of the loan fund in the near future.

A brief report of the loan fund is given below.

Initial cash value of war bonds\$2590.00
(Maturity value \$3500.00)	
Cash on hand\$2123.76
Notes receivable 981.47
Total\$5695.23

This year's Forestry Ball proceeds will bring the total to over \$6000.

A Student to See You, Dean

KENNETH P. DAVIS

The boys asked me to write an article about trees, a new development in forestry or something, but I want to write about what interests me most right now and which I certainly see the most of; namely, you forestry students.

Last fall about 430 of you came to Montana including 240 freshmen, 120 sophomores and 70 upperclassmen. That's more than we ever had before. A third of you were married (seems like the ratio maybe picked up a bit during the year) and well over 90 percent are veterans. You are part of a record breaking enrollment of about 7000 men in the forest schools of the country this year and a segment of the great army of students that deluged the colleges of the United States.

During the school year a good many of you have come into my office. I would like to synthesize a few of the many questions we have discussed into a kind of talk with a composite one of you. All right. One of you comes in and here we go with some questions and the Dean hard pressed to answer them.

What should I specialize in? So far I seem to be mostly interested in but I'm not too sure. Replies the Dean: That's a question that can't be answered all at once. You have to grow and think your way to an answer, combining your interests, aptitudes and opportunities as best you can. Undergraduate specialization is not too important; the main thing is to get a good solid all around academic preparation and learn to use your mental working tools. Remember that employers hire whom they consider promising young men rather than specialists. Real specialization comes later either with post graduate work or development on the job.

The forestry curriculum is o.k. I guess but it doesn't leave much space to work in some extra courses I'd like to take. Answer: You raise a difficult problem and a hard one to meet. Forestry is an applied science and requires a good background in and ability to integrate a wide range of subject matter. Consequently, the curriculum is framed to insure that you get as much background in the biological, physical and social sciences as possible plus some necessary forestry working tools. Time is all too short to cover what should be covered. If you want to take additional courses—which is a good thing—you'll have to figure more time than the minimum four years. However, I do think the forestry curriculum

needs to be more flexible to meet special interests like yours and we are working that way.

Should I plan to go ahead for a master's degree? The answer to that depends on what you want to do and need from school. If you want a well rounded college training, more time to work in some of these other courses you want, and also want some degree of specialization in a particular phase of forestry, you should by all means aim towards an advanced degree. Increasingly, a fifth year leading towards a master's degree is recognized as needed to round out adequately a forester's basic training. However, that doesn't apply to all of you. Some of you may be so constituted and situated that the good old university of experience will do you more good than an MF. You must decide this for yourself. The main thing is to get in school the things you can't pick up very readily on the job—if at all—and enough of them to equip you to reach the highest ceiling your abilities permit in the long pull ahead. Make your foundations deep and your horizons wide.

I'd like to go out and work in the woods during the summer and all that but all they offer me is a job as a off in the sticks and I can make more on a job I have lined up in town. Besides, my wife has a job here too. Answer: I know a lot of you fellows have difficult financial and other problems to work out and you have my admiration for your spirit in meeting them. All I can say is that if you want to get into professional forestry work, you'd better jump in with both feet as soon as possible and get on with your field apprenticeship. Before you can hope to be successful as a forest administrator or leader, you must have a good knowledge of actual woods work in addition to your academic training. The longer you put off getting this necessary field background, the harder it becomes to get it.

All this heavy enrollment means big classes doesn't it, and a fellow can't learn so well in big classes, can he? Answer: It's true that the classes will be bigger and that individual students will get less attention. Yes, there is some loss to you in big classes. But that doesn't mean that the quality of work put out to you will be lowered. What it does mean is that you students will have to take more initiative and responsibility in getting it. The work will be given and it will be up to standard but you may have to reach and dig for it a

little more because there will be less time for individual explanation and conference. So I'd say that students really on the ball will make out all right.

What kind of forestry organization should I try to get into—federal, state or private? The answer to that depends pretty largely on the interplay of your particular interests and make-up with job opportunities at the time you are looking for one. I can make a few generalizations, however, that bear on this question. It has been true that the federal government, principally the Forest Service, has offered the largest number of professional forestry jobs. And they are good jobs in general, offering stability and reasonably good pay. One thing is sure, however, and that is the Forest Service can't absorb anything like the number of men now in the forest schools. Employment of foresters by the states has been increasing of recent years as the scope of state forestry has expanded and more foresters need to look in that direction for employment. In the long run, private forestry offers the largest field for employment and is the one that needs most to be developed. With three-quarters of all commercial forest land in private ownership, obviously much of the forestry job must be there, particularly as across the country we shift more and more over to a timber growing footing. However, private forestry jobs have to be found, often made, and frequently they are

only partly in forestry proper. Consequently, they call for unusual enterprise, versatility and resourcefulness that is a challenge both to the school and to you students. It is a challenge we must meet together as a lot of you men will need to find jobs in this direction.

What do you think of my chances of getting a forestry job two or three years from now when these big classes start to graduate? That, my friend, is the sixty-four dollar question. Inevitably, there will be keen competition for the better jobs and probably some of you won't manage to stay in forestry at all. But forestry has a broad employment base and the trend curve is steadily pointed upward as this nation comes more fully to realize the importance of and its dependency upon forests as a major renewable natural resource. There is something very basic, kind of inevitable about forestry. It must and will go ahead. Printed near to this are two companion pictures showing the development of vigorous natural ponderosa pine reproduction on a logged-over area. Those young trees are symbolic as a hostage for the future. Someone must protect them, perhaps improve the stand over Nature's unguided effort, and eventually harvest them into thousands of useful products. With perseverance, some ability, energy, hard work and perhaps a little luck at times, there is a place for you somewhere in the process of growing and harvesting these forests.



Courtesy K. D. Swan, U.S.F.S.

This area in the Blackfoot Valley, which is owned by the A. C. M., was selectively cut by the Big Blackfoot Company about 1893. It was a yellow pine type forest and was horse logged at that time. The above pictures were taken in May 1928, and August 1945, respectively.



Post-War Construction— At Last, a Library

About the start of winter quarter, 1947, a number of students were puzzled as to the contents of large crates stacked in the hallways of the Forestry Building. More materials kept coming, and that big room on the second floor was cleared and cleaning in preparation for the painters and the interior decorators.

To the surprise of many it was learned that a new library was in the offing. This was to be no makeshift affair. Nor was it the result of a sudden demand for a library. This addition to the school was nothing less than the long-awaited fulfillment of a dream—a dream come true.

In the fall of 1945 Mrs. Edna Campbell and Dr. Charles Waters were appointed to look into the task. They drew up plans. Up-to-date equipment was ordered, including modern shield library shelves. The library was set up and began to function in the second week of February of this year.

The Forestry School librarian is Mrs. Maida Thomas, who has been with us since July 1, 1946. According to Mrs. Thomas there are, in addition to the collection of books, all types of government publications, state pub-

lications, bound volumes, magazines, some foreign publications, and agricultural year books. A total of 26 forestry periodicals are being received currently.

On two of the shelves are books, mostly fictional, which have been donated by the Druids. During the summer these are available to foresters on lookouts and other places where good reading material is truly appreciated. Also, a complete file of Kaimin annuals as well as annuals from various other forestry schools are to be found in the library.

A study room as well as a library, students have found it to be one of the best spots on the campus for "hitting the books." It is spacious, well-lighted, and quiet, not to mention the presence of a capable and pleasant librarian who is ready to help you with your problems,—well, some of them, anyway.







Streamlined Fire Suppression

The wilderness has not yet completely vanished from the face of America. In western Montana, Northern Idaho, and northern Washington lie the country's last undeveloped primitive areas—vast, rugged, forested regions not yet invaded by roads, stump ranchers, and the accoutrements of civilization. To the smoke jumpers has been entrusted much of the protection of this country from the ravages of fire.

These men serve five states; they have hit the silk on fire calls to Montana, Idaho, Washington, Oregon, and Wyoming. Within their territory lie three regions of the United States Forest Service: I, IV, VI. From the scrub pine of the alpine country to the giant redwoods of the Pacific slope, from the lush reproduction of back-country valleys to the sparse growth near the timberline—is flown the smoke jumper to ply his trade, fire suppression.

Experimentation with smoke jumping began in the fall of 1939, and in the summer of 1940 nine fires were attacked successfully from the air. Pioneers in this field deemed it worthwhile to expand the organization, which was done during the war years with the aid of men of the Civilian Public Service, or CPS. By 1945 smoke jumping had emerged from infancy to become a vital part of the fire control department of the U.S.F.S. Last year, during May and June, some 250 men were given a concentrated six weeks' training course near Missoula and were dispersed to the various regions. About 150 were attached to the Missoula office, headquarters of Region I. Others went to McCall, Idaho, and Cave Junction, Oregon, headquarters respectively, of regions IV and VI. This year these latter two stations are to train their own jumpers in newly constructed camps of their own—proof of the recognized worth of smoke jumping.

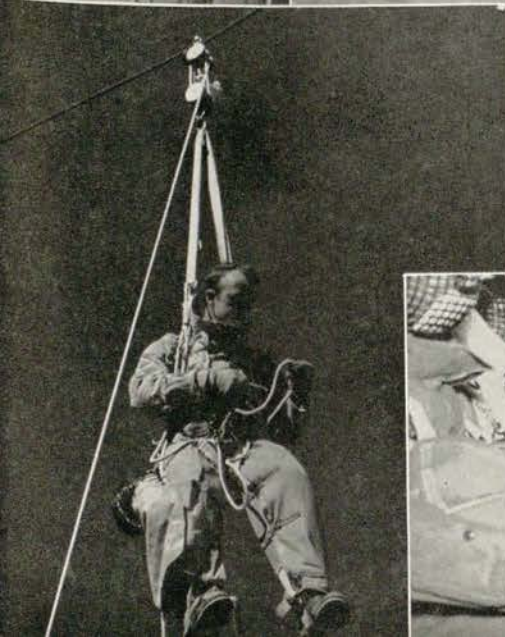
Although for awhile there was some opposition to the development of this program, the smoke jumper-fireman has come into his own. Why is he considered to be such an effective agent of fire suppression? Primarily it is because the airplane solves the problems of time and distance and because the man arrives at the scene of the smoke unfatigued

and ready to work. Physical freshness is one of the smoke jumpers' best weapons. If he has come in the easy way, by air, the fire-fighter can throw all his energy into swift control of the fire. This is why it is said that a well-trained smoke jumper is the equivalent of eight smoke chasers.

To those men who crave adventure and action, who like to seek work that is out of the ordinary, who take pride in possessing a hardened, sun-tanned physique—you get all this when you jump fires for the USFS. Needless to say, the pay scale is also an attraction, and there's little opportunity to spend one's wages.

Although the saga of the forest fire-fighter has been played up in such nationally circulated publications as the Denver Post and Ford Times as one of the most unusual and glorified occupation in America today, there is also the other side of it, namely, that it is a hard, sweaty, dirty business. And after the fire is out, when every part of the area can be felt with the bare hands, comes the long, tortuous hike. Often-times the hardest part of a fire jump is the carrying and dragging of over 80 pounds of equipment per man to a trail

(Continued on Page 31)





Courtesy: Montana Fish and Game.

The Problem of Food Supply in Big Game Management

MELVIN S. MORRIS,
Associate Professor of Forestry

Introduction

The solving of a single problem in any set of relationships, human, economic or biological, frequently creates a whole set of additional problems which may be as critical as the original problem. This is particularly true in the field of big game management. The severe restrictions on hunting in the last 40 years were largely responsible for saving many major species of native fauna. However, the marked increases in numbers of deer, elk and antelope in the last 10 years have raised many new problems. In some areas there is watershed damage due to overgrazing by game. In many localities livestock operators are concerned about the amount of hay and range which game are consuming on their lands. On public forests and ranges stockmen are alarmed by the increase in game number while they face reductions in permitted stock. Heavy winter die-offs of deer and elk in some sections of the country do not indicate that these animals are under the best of management. Hunter demand for a satisfactory supply of huntable animals requires a supply of game equal to or greater than the present population of big game. It is the purpose of this article to discuss one of the major problems which has arisen due to the large increases in game numbers, namely food supply.

Good Game Management

Good game management requires an adequate supply of suitable forage to meet the requirements of the game species for all seasons and for all conditions of climate which may prevail

over a period of years. In other words, the food supply needs to be in balance with the desired number of animals necessary to meet the recreational demands of the public. If we accept the above concept of good game management, the problem can be recognized to be both biologic and economic in character. Neither characteristic can be considered without the other in analyzing the problem and arriving at a sound practical solution. However, an understanding of the biological aspects should be considered first.

Forage Habits Limit Amount of Common Use Possible

Elk and mule deer generally are migratory and will find their food supply at different elevations in accordance with seasonal climatic conditions. Summer ranges are at high elevations and their winter ranges at lower elevations, particularly in winters of extremely low temperature or heavy snowfall. Whitetail deer and antelope will usually occupy the same locality at all seasons. However, there may be some concentration in winter. The degree of mobility has also been conditioned by settlement. Elk have been required to live at higher elevations and in different vegetation zones than those which they used before the advent of the white man. Mule deer probably ranged much lower than they do today. On the other hand, whitetail deer have shifted their range but little if any.

The forage preferences of these animals and the availability of feed are significant. While climate limits range in one respect, livestock may limit range of game because of the use of mutually

preferred forage plants being consumed at the same season or at an earlier time. This is the crux of the problem and must be critically analyzed. Elk are grass and browse eaters. Grass may be the yearlong base of their diet but they will consume large amounts of browse particularly in the fall and winter. Deer are mainly browse eaters but they will eat varying amounts of weeds and grass. Grass generally makes up a small amount of their diet. Antelope are usually considered to be largely grass eaters but it has been observed that shrubs, such as are commonly found on grass ranges, will be heavily utilized. Cattle are quite similar to elk in their food habits and will consume a wide variety of plants when all seasons are considered. Sheep will consume all species of fine-leaved grasses, many weeds and browse species. Browse may be a considerable proportion of their summer as well as winter forage. Horses are characteristically grass eaters. From this evaluation it can be seen that there is considerable probability of competition for forage. It can be disadvantageous to game if the range is fully stocked by livestock at an earlier season or there can be mutual pressure if there are too many animals of both groups grazing at the same season.

It can be expected that a range used in spring and fall by cattle will have little effect on the forage for deer winter feed. On the other hand, if it is elk winter range, competition will result, particularly if it is mainly a grass range. Sheep using a range in the spring and fall will, if stocked to capacity, leave little feed for elk or deer winter use.

Winter Food Supply of Big Game Is Limited

An examination of actual range conditions will show to what extent this competition exists. An analysis made by the Forest Service in Montana indicates little competition between game and livestock on summer range. Fifty-nine percent of the area is used exclusively by game, 17 percent by livestock alone and 15 percent jointly by livestock and game. 3.7 percent is the amount of range available for game during severe winter. The remainder of the land is non-range.

This large proportion of range available for game is fairly representative of most of the National Forests of the West. Some forests in Oregon do have a high percent of common use summer range, while Utah may have some conflict on spring and fall ranges of livestock. This use on summer range is competitive only to the degree which sportsmen or ranchers think they should have the dominant or exclusive use of such public lands. Overgrazed game ranges are seldom found on summer range. Starvation and heavy die-offs are characteristic of winter ranges. Since the high forests supply little natural winter range, the solution of the problem is not to be found there.

Winter game ranges used by livestock in the spring and fall or exclusive but limited winter game range are focal points of an inadequate food supply. Where exclusive use by game of limited winter range exists, such as on the South Fork of the Flathead River in Montana, overgrazing by elk must be stopped if heavier die-offs are to be prevented. Forest cover modification, salting and hunting must be correctly used. Predator control is undesirable as long as overgrazing is taking place.

On lands used by livestock the solution is not easily arrived at. Those that argue that a considerable amount of common use is possible are either not realists or fail to appreciate the amount of overgrazing which will result from common use. It has been correctly stated that common use is overuse. Before this is fully considered the reasons offered for common use should be examined. Many range managers contend that there is considerable range which is normally unusable by domestic stock because of topography, water distribution and differences in food habits of game and livestock. This is more likely to be true for special situations rather than the general run of ranges.

Since most of these problem lands are at lower elevations and are fully stocked by livestock, the percent of inaccessible range for livestock must be relatively low and probably does not exceed 25 percent. Furthermore, game graze over the entire area and in years of heavy snowfall are forced into the valley bottom and lower slopes. This coincides with zones which are ordinarily heavily used by cattle and sheep.

The tendency for technicians to emphasize differences in food habits and minimize similarities in food habits is misleading and tends to confuse the issue. The only situation where differences in food habits may be exploited safely to permit a high degree of common use can only be found on a range where the plants preferred by livestock would be unpalatable to game and similarly the forage preferred by game would be unpalatable to livestock. In Montana, this situation would be obtained on very few and limited ranges. Ranges having an abundance of cedar, fir, pachistima, maple, moss and snowbrush may be of this kind. On the other hand, many more species, and these of much wider distribution and abundance, are among the best forage for game and livestock. The following table is a partial list of forage ratings prepared by the Forest Service for ranges in Montana and North Idaho. It illustrates the point just made that there are more species with the same relative rating for game and livestock than species exclusively high for either game or livestock.

Livestock and game will frequently continue to graze a preferred species beyond the desirable limit of use before the desirable limit of use before they will shift to a less desirable species or they will graze both concurrently but graze the preferred species heaviest. It is of little importance if it is 5 deer and 5 sheep or 10 deer and 10 sheep which are grazing, if the use is overuse of the species. Overgrazing is going to take place. The preferred species are usually the backbone of soil protection and they may also carry the heaviest nutritional load in producing an abundance of game or livestock.

The degree to which the average range can be grazed by two or more classes of grazing animals without injury to the range will depend upon seasons of use, classes of stock involved, number of each and composition of forage. At best it may be stated that full use is impossible and that one or the other class must be given primary consideration in a particular area. Whichever is to be the dominant use must be determined on an economic and possibly social basis.

Land Purchase Essential

The average sportsman little realizes that most of his hunting of whitetail deer and antelope is made possible by the interest and tolerance of landowners in the game which feed and shelter in his lands. Likewise, of the 1,887,729 mule deer and 236,787 elk estimated to be in the United States in 1942, about 13 percent is on private lands. Are sportsmen going to continue to expect



Forage Plant	Rating As Winter Forage			General Rating	
	Whitetail	Mule deer	Elk	Cattle	Sheep
Grasses and sedge					
Bunch wheatgrass	Good	Good	Very good	Excellent	Good
Cheatgrass	Fair	Fair	Fair	Poor	Poor
Pinegrass	Fair	Fair	Fair	Fair	Poor
Idaho fescue	Good	Good	Very good	Excellent	Good
Junegrass	Fair	Fair	Good	Very good	Good
Bluegrass	Good	Good	Very good	Excellent	Very good
Elk sedge	Good	Good	Very good	Excellent	Fair
Weeds					
Yarrow	Poor	Poor	Fair	Poor	Fair
Dandelion	Very poor	Very poor	Very poor	Good	Excellent
Arnica	Poor	Poor	Very poor	Poor	Fair
Paintbrush	Very poor	Very poor	Very poor	Poor	Fair
Fireweed	Very poor	Very poor	Very poor	Poor	Very good
Beardtongue	Very poor	Very poor	Poor	Poor	Fair
Shrubs					
Maple	Good	Good	Fair	None	Poor
Snowberry	Poor	Poor	Poor	Poor	Fair
Serviceberry	Good	Good	Good	Good	Excellent
Kinnikinnick	Poor	Poor	Fair	None	None
Redstem snowbrush	Excellent	Excellent	Excellent	Fair	Excellent
Common snowbrush	Very good	Very good	Good	None	None
Currant	Very poor	Very poor	Poor	Poor	Poor
Mountain lover	Fair	Fair	Fair	None	None
Chokecherry	Fair	Fair	Fair	Poor	Fair
Willow	Good	Good	Good	Fair	Very good

the public and rangeland owners to provide them with game? If they do, then they can never expect to have the kind of hunting they desire.

The rancher, who likewise places his rights to public range on a historical basis of prior use or the traditional privilege to graze the commons, has failed to recognize that public land policy was changed when the National Forests and Parks were created. This change in policy was given specific meaning when the first Chief Forester of the Forest Service was instructed to insure "the greatest good to the greatest number in the long run." All public land management has this objective today and all of us should recognize that to be the essence of good government.

With game numbers at a high number and on the increase on public as well as private lands and with an acute problem of forage supply, people interested in game and desirous of having more and better hunting should take the necessary steps to insure an adequate food supply. This must take the form of land acquisition. This land should be certain strategic areas where elk and deer might find accessible feed in critical winters. It will do much to relieve the winter food problem. On antelope range, islands of land should be set aside for yearlong grazing for game only. If feed conditions should get short in drought years, this game species will not find itself an unwanted guest by some rancher faced with the problem of reducing his own breeding herds.

The acquisition of land by purchase of key areas need not mean a marked change in the local economy. A ranching area need not revert to a publicly regulated recreational area. Nor need there be a change in the use of the summer ranges, as there is room for both game and livestock. While no definite figure can be given, the land which should be acquired need not be more than twice the present critical winter range. Land purchase for a dependable source of food is the principle need. Proper grazing capacity of the winter range (fewer animals) and predators controlled are also essential.

More Intensive Over-All Management Necessary

Under the present intensity of management of little or no predator control and short winter range, the hunter kill percent of the 1937-1942 period could be maintained with a small increase in winter range. The annual kill of 9 percent through this period cannot be maintained under present management and food condi-

tions. Intensive management, which must include reduction of herds to grazing capacity of winter ranges and intensive predator control. This will, after a period of years, provide more hunting than at present. If hunting takes 9 percent and the illegal kill 4 percent (estimated at 50 percent of the legal kill) and the annual increase above this is about 8 percent, the over-all increase above predator loss, disease and winter kill is approximately 21 percent. This figure, when compared with an 85 percent annual increase in domestic livestock, indicates a low level of productivity. If the productivity of game could be doubled under present grazing capacities of their ranges or by increased winter range together with predator control, the opportunity for better hunting will be increased to a much greater degree than most hunters ever hoped for.

Conclusions

The solution to the problem of more game is more intensive management. This will require a greater outlay by those demanding more and better hunting. Additional range, predator control and reduction in illegal hunting are the things which management must do. Game production can no longer depend on chance circumstances and good fortune. Game production must become a part of scientific land use and established upon a sound economic base, the same as field crops and timber or range livestock production.

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The Alumni Memorial Scholarship

I think you all have been informed that the Forestry School in cooperation with the Forestry School Alumni are establishing a scholarship in the School of Forestry at M. S. U.

Letters have been sent out to the Alumni for contributions to establish a principle which when invested with other state funds will provide an annual income which will constitute the scholarship award. This is separate and apart from the Student Loan Fund.

To date we have received \$500.00 from contributions, also the Forestry Club has voted to contribute the surplus revenue from the ball, obtained by our two night stand, to this fund. This will enable us to invest about \$750.00 this spring to provide the award next Spring from interest received.

The Forestry Club is raising a small amount by contributions to make an award this spring as we will have no return for 1 year from our investment.

The award will be made at Honors Convocation this spring to the outstanding member of the Forest School who is just completing his Junior year. The winner will be picked by an Alumni Council. Ralph Fields is busy at this writing organizing this council.

Three Faculty members of the Forest School and three graduating seniors will choose three candidates from the Junior Class to present to the Alumni Council who pick the final winner.

Points considered will be scholarship, character and leadership. Summer work experience, and campus activities will also be considered.

Our initial goal of \$3000.00 as principle has not been attained but we will keep on until it has been accomplished.

Let's cooperate ---

JIM WILSON, Chairman..

STREAMLINED FIRE SUPPRESSION

(Continued from Page 26)

where it can be picked up later by a packer. The hike may be 4 miles but it's more likely to be closer to 24 miles, over ridge and pass or perhaps along a sparkling stream where the trail is shaded by virgin stands of huge cedars. You may see

deer and elk and even bear or mountain goats, and you feel recompensed for your work by the thought that you are doing your bit to preserve this great western wonderland of ours.

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Akin, Melvin J., '38	Eden, Texas
Allan, William S., '23	Address Unknown
Ames, Charles R., '41	Mayer Creek R. S., Limestone, Montana
Anderson, Leif J., '36	Address Unknown
Anderson, Homer E., '28	Bozeman, Montana
Antonich, John, '39	720 E. 4th St., Anaconda, Montana
Ashbaugh, Lonard J., '29	Address Unknown
Averill, Clarence, '29	c/o U.S.F.S. Supervisor, Laramie, Wyoming
Axlund, Don, '39	634 S. Lincoln, Casper, Wyoming
Baggenstoss, Rollin N., '43	c/o Virgil Campbell, Bonner, Montana
Baggs, John T., '26	Potlatch Forests, Inc., Lewiston, Idaho
Bailey, John L., '41	Soil Conservation Service, Williston, North Dakota
Baker, Clyde P., '21	Room 1823, Oliver Bldg., Pittsburgh, Pennsylvania
Ballard, James J., '39	645 Abingdon, Abingdon, Virginia
Barrett, Eugene W., '40	U.S.I.S., Pala, California
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Beaman, Dallas W., '46	1002 S. 6th W., Missoula, Montana
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Beechel, Kenneth, '32	Address Unknown
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Benson, Homer G., '40	815 3rd St., Hamilton, Montana
Bergner, Karl W., '40	325 LaVasseur St., Missoula, Montana
Bernhard, Lloyd, '37	U.S.F.S., Twisp, Washington
Beyer, Frederick C., '46	Deceased
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Bloom, Charles W., '27	165 Strand, Missoula, Montana
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Bonner, James H., '07.....	Deceased
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Bradeen, Warren F., '43.....	2177 33rd Ave. W., Seattle, Washington
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Bierley, Tom E., '36.....	Mountain City, Nevada
Brooks, James F., '17.....	1241 Pasadena Ave. N.E., Atlanta, Georgia
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Brown, Walker L., '25.....	State Highway Commission, Missoula, Montana
Brown, William J., '31.....	District Forest Ranger, Rapid River, Michigan
Brunsvold, Merle B., '40.....	2040 Gaylord St., Butte, Montana
Buckhous, Jack, '36.....	U.S.F.S., Ferron, Utah
Bunker, Page S., '04.....	Montgomery, Alabama
Burdick, Merritt D., '41.....	SCS, Plentywood, Montana
Burdick, Robert F., '40.....	Plains, Montana
Burnett, Trafford C., '40.....	Address Unknown
Burtness, Allen C., '26.....	Box 1788, Great Falls, Montana
Butler, Everett F., '20.....	256 Madison Ave., Alton, Illinois
Caguioa, Vincente, '25.....	Bureau of Forestry, Agricultural College, Laguna, Phillippine Islands
Cahoon, Wells, '42.....	Deceased
Calkins, Raymond, '31.....	2401 Grand Ave., Butte, Montana
Campbell, Alastair, '35.....	Manager, Valentine Ntal. Wildlife Refuge, Valentine, Nebraska
Campbell, Lloyd S., '28.....	Deceased
Campbell, William R., '42.....	Cut Bank, Montana
Canfield, Roy H., '26.....	1155 Waverly St., Tuscon, Arizona
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Castles, Wesley, '39.....	1850 Helena Ave., Missoula, Montana
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Rubottom, Carter V., '27	U.S.F.S., Livingston, Montana
Rudolph, Rosser, '30	Indian Service, Merchandise Mart, Chicago, Illinois
Running, Morris, '32	Deceased
Russell, Harold, '26	Box 433, Lewistown, Idaho
Sadasuk, Jacob J., '31	Address Unknown
Sanderson, J. Everett, '43	U.S.F.S., Princeton, Idaho
Sandvig, Earl D., '23	1681 Quebec, Denver, Colorado
Schaeffer, Jack L., '42	3504 Asbury, Dallas, Texas

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Schulz, Ronald R., '43.....	U.S.F.S., Martinsdale, Montana
Schwan, Herbert E., '28.....	U.S.F.S., Denver, Colorado
Seidensticker, Sylvester, '39.....	Twin Bridges, Montana
Shaffner, Walter F., '41.....	Deceased
Shaw, Donald W., '27.....	U.S.F.S., Deadwood, South Dakota
Sheldon, Marcus, '38.....	Box 81, Deertrail, Colorado
Shelton, Jimmy, '39.....	Deceased
Shields, John, '32.....	U.S.F.S., Bigfork, Montana
Shull, J. Theo., '23.....	2815 N.E. 27th Ave., Portland, 12, Oregon
Shults, Edward L., '40.....	U.S.F.S., Kooskia, Idaho
Simpkins, Edward, '17.....	144 Sunnyside Ave., Mill Valley, California
Simpson, Carl W., '41.....	Mayer Creek Ranger Station, Limestone, Montana
Smith, Howard S., '31.....	Address Unknown
Sparks, Earl, '37.....	Box 170, Burns, Oregon
Sparrow, Orville, '37.....	Box 127, Wisdom, Montana
Spaulding, Alfred E., '32.....	645 E. First, Colville, Washington
Spaulding, Clarence K., '28.....	Route 2, Kalispell, Montana
Spencer, Mattison, '27.....	Route 2B, Kalispell, Montana
Staat, Fred F., '29.....	109 E. Harding, Ironwood, Michigan
Statzell, George W., '40.....	Address Unknown
Stephens, Virgil, '34.....	Box 270, Springfield, Missouri
Stephenson, Albert D., '35.....	Pine Ridge Indian Reservation, Pine Ridge, South Dakota
Stevens, Terrill, '36.....	Prof. of Forestry, Michigan State College, East Lansing, Michigan
Stillings, Warren H., '32.....	U.S.F.S., Thompson Falls, Montana
Stoebe, Robert S., '39.....	Box 1043, Miles City, Montana
Strubeck, Earl, '38.....	Address Unknown
Sundell, Walter H., '41.....	Wallcreek Ranger Station, Cameron, Montana
Swearingen, T. G., '20.....	Maintenance Engr., M.S.U., Missoula, Montana
Sykes, James T., '46.....	Meadville, Mississippi
Tennant, Earl C., '27.....	U.S.F.S., Thompson Falls, Montana
Tennant, Raymond, '28.....	Box 8641, Dillon, Montana
Thielen, Charles A., '41.....	1114 2nd St., Crescent City, California
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Trosper, William, '37	Deceased
Tucker, David M., '31	U.S.F.S., Willows, California
Turley, Royal, '36	U.S.F.S., Boulder, Montana
Umland, Elmer R., '42	SCS, Fessenden, North Dakota
Underwood, Habert, '40	Address Unknown
Valderrama, Felipe, '22	674 Temple Ave., Detroit, Michigan
Van Bramer, Glenn, '46	Deceased
Van Meter, Thomas, '26	601 Ford St., Missoula, Montana
Van Winkle, Harry H., '27	U.S.F.S., Jackson, Wyoming
Varney, Richard, '36	355 I St., Idaho Falls, Idaho
Venrick, John W., '42	81 South Warren, Helena, Montana
Vierhus, Louis M., '29	Address Unknown
Vladimiroff, Boris T., '40	Address Unknown
Wagner, Joe A., '35	U.S.I.S., Sells, Arizona
Wagner, William F., '38	Wolf Point, Montana



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Warren, Cameron J., '41.....	1121 7th St., Lancaster, Pennsylvania
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Welton, Howard, Jr., '38.....	U.S.F.S., Avery, Idaho
Wheatley, Howard, '39.....	Address Unknown
Whilt, James W., '40.....	2120 W. Riverside, Spokane 9, Washington
Whisler, F. H., '15.....	Deceased
Whisler, Harold, '20.....	741 Woodford St., Missoula, Montana
Whitaker, Jocelyn, '14.....	Box 1920, Manila, P. I.
Whitaker, Richard, '33.....	Address Unknown
White, Jack C., '33.....	SCS, Russerville, Arkansas
White, Wellington I., '18.....	Deceased
Wilkie, Stephen, '36.....	Rosebud, Montana
Williams, Dick, '39.....	Box 295, Steele, North Dakota
Williams, Ross A., '21.....	Regional Forester, SCS, Lincoln, Nebraska
Wilmsen, Clinton G., '40.....	Deceased
Wolfe, Kenneth, '21.....	2847 N.E. 30th, Portland, Oregon
Woolfolk, F. Joe, '32.....	Div. of Range Research, U.S.F.S., Washington, D. C.
Yarlett, Lewis L., '42.....	Deer Lodge, Montana
Yochelson, Albert, '29.....	G.L.O., Phoenix, Arizona
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Yovetich, Phillip M., '43.....	811 Colorado, Butte, Montana
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