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The Forestry Club

Presents

THE

1950 FORESTRY KAIMIN

Published at

FORESTRY SCHOOL

MONTANA STATE UNIVERSITY

MISSOULA, MONTANA
IN DEDICATION

For the life of Forestry, fire has been one of the nemesis's of the profession. During the past summer, fire has taken friends of all of us from this school. We humbly dedicate the 1950 Forestry Kaimin to the following men who lost their lives fighting the Mann Gulch Fire.

ROBERT J. BENNETT       SILAS R. THOMPSON
ELDON E. DIETTERT
FOREWARD

Once again the Forestry Club comes to the end of another year of varied activities. By sincere interest and hard work the club members have bettered their record at the University.

We regret not being able to include the spring quarter activities, but our printing deadline limits us. Spring quarter promises to be one of the best with the second annual spring banquet, spring hike, and many other activities.

We are proud and happy to be able to record the activities presented here for you, the Forestry Club.

KAIMIN STAFF

E D IT O R I A L  S TA FF

First Row—Chuck Kern, Senior Adviser; John McDougal, Photo Editor; Dale Robinson, Editor; Klas Fenell, Layout.
Second Row—Bob Damon; Photographer; Ross Herrington, Layout; Wayne Wilde, Layout.
Not Pictured—Bruce Watson, Photographer; Joe Meuchel, Layout; Doris Peterson, Typist.

A D V E R T IS I N G  S TA FF

First Row—Bob Cooney, Jim Chamberlin, Leon Cohen, Business Manager; Joe Meuchel, Dan Daniels, Frank Wegkamp.
Second Row—Bert Morris, Walt Kasberg, Harry Covey, Ed Bangle, Bob Duval.
WILLIAMS, ROSS
Dean of Forestry School
Professor of Forestry
B.S.F., Montana State University, 1921; M.F., Yale University, 1923.
Survey of Forestry
Research Methods

SPAULDING, T. C.
Professor of Forestry
B.S., Montana State University, 1906; M.S.F., University of Michigan, 1909
Fire Control
Utilization
Forest Economics
Forest Policy

CLARK, FAY G.
Professor of Forestry
B.A., University of Michigan, 1912; M.S.F., 1914
Valuation
Measurements
Forest Recreation

WATERS, CHARLES W.
Professor of Forestry and Botany
B.S., B.L., Berea College, 1919; M.A., Ohio State University, 1921; Ph.D., University of Michigan, 1927.
Dendrology
Silviculture
Wood Technology
Forest Pathology

WALBRIDGE, THOMAS A., JR.
Assistant Professor of Forestry
B.S.F., University of Washington, 1942; M.S.F., Montana State University, 1948
Forest Engineering
Timber Mechanics

MORRIS, MELVIN S.
Associate Professor of Forestry
B.S., Colorado State College, 1932; M.S., 1932
Soils
Range Management
Wildlife Management

PATTON, O. M.
Staff Forester and Nurseryman
B.S., Colorado State College, 1935

BRUNS, PAUL E.
Associate Professor of Forestry
B.A., New York University, 1937; M.F., School of Forestry, Yale University, 1940
Silviculture
Forest Management
Logging
MOORE, KENNETH E.
Instructor in Forestry
B.S., University of Connecticut, 1934; M.F., Yale University, 1946
Surveying
Mapping
Hydrology

DAVIS, EUEL
Assistant
B.S.F., Montana State University
Dendrology
Silviculture
Range Management

SEVERY, J. W.
Chairman, Botany Department
B.A., Oberlin College, 1915; M.S., Washington University, (Missouri), 1926; Ph.D., University of Wisconsin, 1931
Plant Physiology

DIETTERT, RUBEN A.
Professor of Botany
B.A., DePauw University, 1925; M.S., Michigan State College, 1927; Ph.D., State University of Iowa, 1937
Botany
Plant Physiology
Morphology

KRAMER, JOSEPH
Associate Professor of Botany
B.S., University of Nebraska, 1921; M.A., 1923; Ph.D., 1936
Botany
Plant Physiology
Plant Ecology

HARVEY, LEROY H.
Instructor in Botany
B.S., Western Michigan College of Education, 1936; M.S., University of Michigan, 1946; Ph.D., 1948
Systematic Botany

CHESSIN, MYER
Instructor in Botany
B.S., University of California, 1941; Ph.D., 1950
Plant Physiology
Plant Ecology
Botany

ETTINGER, MRS. HELEN
Librarian

Office Staff

MRS. VIRGINIA LAYMAN
MRS. VIRGINIA BURGESS
MASTERS

WILLIAM R. WALKER
B.S.F., Montana State University, 1949

WESTERN LARCH: WEED OR TIMBER SPECIES?

This paper is primarily a library research, and covers most aspects of the species. Western Larch was found to be the strongest commercial softwood of the Inland Empire. Many of the so called undesirable characteristics of larch wood are unfounded in fact. With intelligent handling, and the use of smaller blunt-pointed nails, larch can be successfully used as a building material. Larch poles are classified among the strongest at 8400 p.s.i. Veneer, prefabricated trusses, and sulphate pulp are probable future uses for the wood. The practice of marketing most of the lumber green and mixing it with Douglas fir is not considered desirable.

Larch is the most windfirm and fire resistant species in this region. As a secondary species in forest succession, it normally occurs only on burned areas. Larch makes rapid initial growth and readily outstrips all of its associated species. Response to thinning is good, but only the A and B vigor trees respond to partial cuttings.

BYRON L. FOREMAN
B.S.F., Montana State University, 1949

LODGEPOLE PINE AND THE POTENTIAL PULP INDUSTRY IN MONTANA

There exists a large supply of lodgepole pine in Montana which is not being fully utilized at the present time. Lodgepole pine has proven to be a satisfactory pulpwod species for making sulphate and groundwood pulps.

A pulp mill located in Montana would benefit the local forest industries and the economy of the communities concerned.

The manufacture of sulphate pulp offers the best possibilities for utilizing lodgepole pine and there are indications that a market could be found for sulphate pulp produced in Montana.

There are several areas where concentrations of lodgepole pine occur in eastern Montana and where sites exist with at least the minimum requirements for pulp mill establishment.

These sites are in or near the cities of Helena, Bozeman, Livingston and Dillon, Montana.

HOMER W. STRATTON
B.S.F., Montana State University, 1949

A STUDY OF THE SUITABILITY OF LODGEPOLE PINE (Pinus contorta, Doug.) AS A CHRISTMAS TREE

During the past two years a few carloads of lodgepole pine Christmas trees have been shipped from Western Montana. This points to the possible development of an additional Christmas tree species, which would be an asset to the Western Montana Christmas tree industry. Therefore, a study involving the use of experimental trees to determine the physical ability of lodgepole pine to meet the requirements of a Christmas tree was conducted. The trees were checked for color loss and needle holding ability under conditions similar to those encountered by Christmas trees shipped to eastern markets. Another part of the study involved observation of the only commercial lodgepole pine Christmas tree operation in Western Montana.
CLASS OF 1950

ADAMS, JOE E.
Buhl, Idaho
Range Management
Fresno State College
Summer work: Region 2 Central Rocky Mountain Forest and Range Experiment Station '47; Region 6 Pacific Northwest Forest and Range Experiment Station '48.

ARMSTRONG, LAURENCE W.
Landers, Wyoming
Timber Management
Forestry Club 1, 2; Foresters' Ball 1, 2, 3; Bearpaw 2, 3; Theta Chi 1, 2, 3, 4; Vice President 3, 4.
Summer work: Smokejumper '47, '48, '49.

ADAMS, MARSHALL C.
Tupelo, Mississippi
Timber Management
Forestry Club 2, 3, 4; Foresters' Ball 2, 3, 4.
Summer work: Fire Guard, St. Maries, Idaho, '46, '47; Smokejumper '48; Trail Maintenance, Calder, Idaho, '49.

ARNOLD, JOHN E.
Ridgewood, New Jersey
Timber Management
Assistant, Soils Laboratory '48, '49, '50.
Summer work: A.C.M. Sawmill, Bonner, Montana '46; Smokechaser, Lolo National Forest, Missoula '48; Savanac Nursery '49; Helsel Logging Co. '49.

AMMAN, ERIC M.

ARTZ, JOHN L.
Syracuse, New York
Range Management
Forestry Club 3, 4; Foresters' Ball 3, 4; Forestry Bowling 4.
Summer work: Kamikaz National Forest, Teton National Forest, Lolo National Forest.

ANDERSON, JAMES W.
Missoula, Montana
Timber Management
Forestry Club 1, 2; Forestry Ball 1, 2; Bearpaw 1, 2; Sigma Chi 1, 2, 3, 4; Ski Club 1, 2, 3, 4.
Summer work: Blister Rust, Kamikaz '42; Northern Rocky Mountain Experiment Station '43; Cruising, Northern Pacific Railroad '46; Cruising, Tongass National Forest '47; Logging Engineer, Kosmoc Timber Co., Washington '48; Northern Rocky Mountain Experiment Station '49.

ARVISH, ANDREW JOSEPH
Anaconda, Montana
Timber Management
Mayor, Veterans Housing
Summer work: Dispatcher, Missoula District, Lolo National Forest '47, '48, '49.
BANGLE, EDWARD C.
Los Angeles, California
Range Management
Compton Jr. College; Forestry Club 1, 2, 3, 4; Bull Cook 3; Foresters Ball 1, 2, 3, 4; Doorway 1; Publicity 2, 3; Chairman 3; Senior Advisor 4; Forestry Kalmin 1, 2, 3, 4; Druids 3, 4; Vice President 4; Forestry Softball 3.
Summer work: Smoke jumper '47; ACM Sawmill, Bonner, Montana '48; Hqtrs. Guard, Superior R. D., Lolo N. F.

BRINKERHOFF, JOHN W.
Kalispell, Montana
Timber Management
Forestry Club 1, 2, 3, 4; Executive Board 3; Forestry Ski Club Vice President 4; Phi Sigma 3, 4; Inter-Mural Softball 2, 3.
Summer work: Smoke jumper '47, '48; Fireguard, Glacier Park '49.

BEEBE, BOB
Libby, Montana
Timber Management
Forestry Club 1, 2, 3, 4, 5; Forester's Ball 3, 4, 5; Senior Advisor Woodcutters 5; Alpha Tau Omega 2, 3, 4; Inter-Mural Football and Softball 2, 3, 4.
Summer work: Libby Ranger Station '46; Smoke Jumper '47; Cruiser, J. Neil's Lumber Co. '48, '49.

BUSH, WILLIAM H.
West Lafayette, Indiana
Timber Management
Glendale Junior College '43; Forestry Club 1, 2, 3, 4; Foresters Ball 1, 2, 3, 4; Bear Paw 2, 3; Editor-Cub Tracks 1; Forestry Ski Club 1; Sigma Phi Epsilon 1, 2, 3, 4; Pledger Trainer 2; Varsity Track 2; Inter-Mural Football, Bowling, Basketball, Softball, Track 1, 2, 3, 4; University Band 1, 2; Ski Club 1, 2; Men's Glee Club 1; Mixed Chorus 1.
Summer work: Lookout, Helena N. F. '47; Smoke jumper '48, '49.

BELTZER, CHARLES E., JR.
Washoe, Montana
Range Management
Forestry Club 2, 3; Foresters Ball 1.
Summer work: Logging, Choke setter, Cooke City, Montana '47; Transmitter and Draftsman, Missoula, Montana '48; Contact Patrolman, Meyers Creek R. S., Limestone, Montana '49.

BYERS, D. V.
Coeo Bay, Oregon
Timber Management
Forestry Club 1; Foresters Ball 1, 2, 3, 4.
Summer work: Smoke jumper '47; Clarke McNary Nursery '48; Dispatcher, Lewis and Clark N. F. '49.

BENNETT, JACK E.
Deer Lodge, Montana
Range Management
Forestry Club 1; Foresters Ball 3, 4.
Summer work: Farming, Deer Lodge, Montana '47, '48, '49.

CARTER, RICHARD L.
Fort Madison, Iowa
Wildlife Management and Range Management
Forestry Club 1, 2, 3, 4; Foresters Ball 1, 2, 3, 4; Forestry Rifle Club 1, 2; Forestry Athletic Manager 3, 4; Zoology Assistant 3, 4; Inter-Mural Softball and Basketball 1, 2, 3, 4.
Summer work: Woods work J. Neil's Co. '47; Cruiser, J. Neil's Co. '48; Biological Station, Flathead Lake '49.

BOHLIG, RICHARD

CLEVELAND, RICHARD E.
Ekalaka, Montana
Range Management
Forestry Club 2, 3, 4.
Summer work: Fire Control Aid, Lewis and Clark N. F. '47, '48; Ranch work, Carter County, Montana '49.
DAHL, JAMES M.
Brandon, Wisconsin
Timber Management
Duke University '43, '44; Intramural Softball 1, 2, 3.
Summer work: White Pine Sash Co. '49.

DRATZ, WILLIAM D.
Missoula, Montana
Timber Management
Forestry Club 1, 2, 3, 4; Forester's Ball 2, 3, 4; Sigma Nu; Intramural Basketball 3, 4.

DAMON, ROBERT
Libby, Montana
Timber Management
Forestry Club 2, 3, 4; Forester's Ball 2, 3, 4; Photography Committee 3, 4; Asst. Chairman 3, Chairman 4; Forestry Kainin, Photographer 3, 4; Druids 3, 4; Phi Sigma 3, 4; Vice-President 4; Wing Representative, Jumbo Hall 3, 4.
Summer work: Lookout-fireman, Flathead N. F. '43, '44; Cruising Koosenai N. F. '47, '48; Cruising and Sculling, Koosenai N. F. '49.

DUGAN, CHARLES M.
Rochester, New York
Timber Management

DAWSON, A. L.
Salmon, Idaho
Range Management
PhI Sigma 3, 4.
Summer work: Beaverhead N. F. '48, '49.

DUSENBURY, ROBERT
Missoula, Montana
Range Management
Forestry Club 3, 4; Forester's Ball 1, 2, 3, 4; Druids 4.
Summer work: Smokejumper '46, '47, '48; Fire Control Aid, Lima R. D., Beaverhead N. F. '49.

DOBSON, FORREST H.
Ellwood City, Pennsylvania
Timber Management
Pennsylvania State College '46, '47, '48; Forester's Ball 3, 4; Phi Sigma 3, 4; Scabbard and Blade 3, 4; Intramural Softball and Basketball 3, 4.
Summer work: Lookout, Plains R. D., Cabinet N. F. '47, '48; Second Alternate, Plains R. D., Cabinet N. F. '49.

ESLYN, WALLACE E.
New York, New York
Timber Management
New York State Ranger School '47, '48.
Summer work: Road Survey, Bureau of Public Roads, Missoula '49.

DOCKINS, WILLIAM C.
Hariowton, Montana
Timber Management
Forestry Club 1, 2, 3, 4; Forester's Ball 1, 2, 3, 4; Forestry Ski Club 2, 3, 4; Druids 3, 4; Phi Sigma 3, 4; Kappa Tau 3, 4; Lutheran Student Association 3, 4.
Summer work: Blister Rust Control, Glacier Park '47; Lookout-Fireman, Phillipsburg R. D., Deerlodge N. F. '48; Hdqtrs. Guard, Phillipsburg, R. D., Deerlodge N. F. '49.

FAULEY, CLYDE MONTANA
Glacier Park, Montana
Timber Management
Forestry Club 3, 4; Property Manager 3, 4; Forester's Ball 1, 2, 3, 4; Forestry Ski Club 4; Intramural Football 3.
Summer work: Seasonal Park Ranger, Glacier Park '47, '48, '49.
FORSYTH, HAROLD F., JR.
Scarsdale, New York
Timber Management
Amherst College '46, '47; Alpha Delta Phi (Amherst); Varsity Swimming 3.
Summer work: Junior Salesman, Stomer Tree Service '48.

GUNZEL, LOUIS L.
Independence, Missouri
Range Management
Forestry Club 1, 2; Foresters Ball 1, 2.
Summer work: Bureau of Public Roads, Missoula, Montana, Redman Chairman 46; Glacier National Park Lookout-Fireman 47; Headquarters Guard '48, '49.

FRAZIER, WILLIAM EARL
Livingston, Montana
Range Management
Forestry Club 1, 2, 3, 4; Foresters Ball 1, 2, 3, 4; Rifle Club 1, 2;
Intramural Softball 2.

HAMMARBACK, MARVIN D.
Ada, Minnesota
Range Management
N.D.S.F., Bottineau, North Dakota, '46, '48; Foresters Ball 3; Band 3.

GASHWILER, ROBERT N.
Novinger, Missouri
Timber Management
Northeast Missouri State Teachers College, '43 and summer '46;
Forestry Club 1, 2, 3, 4; Foresters Ball 1, 2, 3, 4; Chairman Doorways Decorations 3; Senior Advisor 4; Forestry Kilmin 3.
Summer work: Lookout, Trail Construction and Maintenance, Powell Ranger Station '47; Engineering Aide, Lolo National Forest '48; Surveying and Timber Sales, Division of Forestry State of Kentucky, Pineville, Ky. '49.

HANSFNR. RAYMOND J.
Buffalo, New York
Timber Management
Forestry Club 1; Foresters Ball 1, 2, 3.
Summer work: Lookout-Fireman, Cabinet National Forest '47.

GEIS, ANTHONY F.
North Hollywood, California
Range Management
Forestry Club 1, 2, 3, 4; Foresters Ball 1, 2, 3, 4.
Summer work: Trail Maintenance, Yellowstone Park, '47; Seasonal Ranger '48, '49.

HASY, FRANK
Klamath Falls, Oregon
Timber Management
Forester's Ball 3, 4.
Summer work: Clara Mining Co., Forney, Idaho '47; Western Montana Lumber Co. '48, '49.

GILLESPIE, ROBERT E.
Libby, Montana
Timber Management
Carroll College, Helena, Montana, summer '45; University of Colorado, Boulder, Colorado, '46; Phi Delta Theta 1, 2, 3, 4; Varsity Football 1, 2.
Summer work: Kootenai National Forest, Libby, Montana, Cruising '47; Scaling Cruising '48, '49.

HEGLAND, ALMAN W.
Plentywood, Montana
Timber Management
Forestry Club 3, 4; Forester's Ball 3, 4.
Summer work: Trail Maintenance, Glacier National Park '47; Insect Survey, Bureau of Entomology, Coeur d'Alene, Idaho, '47; Smokejumper '48; Dispatcher, Curlew, Washington '49.
HEILMAN, EDWARD GEORGE
Sacramento, California
Timber Management
Forestry Club 1, 2, 3, 4; Forester's Ball 2, 3, Sigma Phi Epsilon 1, 2, 3, 4; Newman Club 1, 2, 3, 4.
Summer work: Tahoe National Forest, Fire Suppression '45; Campground Maintenance '46; Fire Suppression '47; Dispatcher '48; Fire Suppression and Relief Dispatcher '49.

KERN, CHARLES P.
Missoula, Montana
Timber Management
Forestry Club 1, 2, 3, 4; Forester's Ball 1, 2, 3, 4; Forestry Kaimin 1, 2, 3, 4; Photo Editor 3; Senior Advisor 4; Druids 4; Intercollegiate Knights 2, 3.
Summer work: Lookout Smokechaser, Superior District Lolo National Forest '43; Lookout Smokechaser and Compiler on Timber Cruise, Lolo National Forest '44; Smokechaser, Superior District '47; Station Fireman, Lolo District '48; Dispatcher, McGehee District, Coeur d'Alene National Forest, '49.

HESTER, JAMES E.
Little Rock, Arkansas
Timber Management
Arkansas A & M '44; Forestry Club 1; Forester's Ball 1.
Summer work: White Pine Saw Co., Missoula, Montana '47; Modern Builders, Missoula, Rooster '48; Fire Prevention Aid, Philipsburg, '49.

HUGES, DAVID T.
Butte, Montana
Timber Management
Forestry Club 1, 2, 3, 4; Varsity Swimming 2, 3, 4.
Summer work: Lookout, Deerlodge National Forest '46; Slash Disposal, Helens National Forest '47; Lewis & Clark National Forest, Lookout '48; Fire Control Aid '49.

KASBERG, WALTER
Green Bay, Wisconsin
Timber Management
Central State Teachers College, Wisconsin '45-'48; Forestry Club 3, 4; Forester's Ball 3, 4; Varsity Football '47; C.S.T.C., Wisconsin 1, 2; Intramural Football 3, 4.
Summer work: Blister Rust Control, Yosemite National Park, California '47; Farm, Wisconsin '48; Trail Maintenance and Fire Guard, Glacier National Park, Montana '49.

KING, DAVE
Halifax, Massachusetts
Timber Management
Green Mountain Jr. College '42; Tufts Jr. College '43; Forester's Ball 1, 2; Phi Sigma Kappa 2, 3, 4.
Summer work: Fire Control Aid, Yellowstone National Park '48, '49.

LAYKROS, ROBERT E.
Butte, Montana
Timber Management
Carroll College, Helena, Montana '45; Forestry Club 3, 4; Forester's Ball 3, 4; Asst. Head Resident, Jumbo Hall 3, 4; Intramural Softball 1, 2, 3; Bowling 3.
Summer work: Brush Camp, Clarkia, Idaho '43; Lookout, Red River Ranger Station, Elk City, Idaho '47; Lookout and Headquarters Guard, '48; Assistant Timber Manager, Riggins Ranger Station, Riggins, Idaho '49.

HOWART, NEIL J.
Buffalo, Wyoming
Timber Management
University of Wyoming; Forestry Club 3, 4; Forester's Ball 3, 4.

LANZ, JOHN E.
Milwaukee, Wisconsin
Timber Management
University of Wisconsin '46; Forestry Club 1, 2; Officers Reserve Corps 1, 2, 3, 4.
Summer work: Lookout Fireman also sample plot work to determine growth of seedlings, Nicolet National Forest, Eagle River, Wisconsin '46; Timber Cruising, U.S.F.S. Region One, also cruising for Dept. of Entomology and Plant Quarantine; Survey for Mountain Pine Beetle '47; Fire Guard, Glacier National Park, '48, '49.

LOVINGFOSS, VIRGIL
Rosemead, California
Timber Management
Pasadena Jr. College '43; Forestry Kaimin 2, 3; Sentinel Photographer 2, 3, 4.
Summer work: Fire Suppression, Angeles National Forest, Glendora, California '42; Maintenance Strawboas, Helena National Forest, Helena, Montana '47; Fire Patrolman, Beaverhead National Forest, Dillon, Montana '49.
LUGER, JOHN L.
Fairwater, Wisconsin
Timber Management
Intramural Softball 1.

METCALF, MELVIN E.
Missoula, Montana
Timber Management
Forestry Club 1; Forester's Ball 2.
Summer work: Northern Rocky Mtn. Experiment Station, Missoula, Montana, Forest Survey, North Idaho; collection of sample plot data and type mapping '47; Eastern Montana, same job '48; Eastern Montana, North Idaho, same job '49.

McDONALD, DAVID R.
Stevensville, Montana
Range Management
Colorado University '46; Forestry Club 2, 3, 4; Forester's Ball 2, 3; Scabboard & Blade 4, 5; Phi Sigma Kappa 2, 3, 4, 5; Football 2, 3, 4; Basketball 2, 3, 4; Softball 2, 3, 4; Bowling 2, 3, 4; American Society of Range Management.
Summer work: Headquarters Guard, Bitterroot National Forest '45, '47; Administrative Guard, Beavertail National Forest '48; Foreman, Re seeding Range, Beaverhead '49.

MILLER, JOHN G.
Akron, Ohio
Timber Management
Forestry Club 1, 2, 3, 4; Forester's Ball 1, 2, 3, 4; Bear Paw 2.
Summer work: Road Survey, U.S.F.S., Oregon, Montana '46; Trail Maintenance and Lookout, Avery District, '47; Potlatch Forests, Inc., Lewistown, Idaho '48; Long-Bell Lumber Co., Tulelake, California, Compassman, Mapping '49.

McDONALD, THEODORE
Missoula, Montana
Timber Management
Forestry Club 1; Forester's Ball 1, 2, 3.
Summer work: Lookout, Road and Trail Maintenance, Salmon National Forest '42; Trail Maintenance and Fence Construction, Raven Ranger Station, Kootenai National Forest '43; Administrative Work, Bitterroot National Forest '46; Smokejumper '47; Timber Cruising and Smokejumper '48; Aerial Observer, Coeur d'Alene National Forest '49.

MILLER, WILBERT T.
Portage, Wisconsin
Timber Management
Forestry Club 1, 2, 3, 4; Forester's Ball 1, 2, 3, 4; Druids 4.
Summer work: 1946, State of Wisconsin, Rough Fish Removal Dept., Lake Dalton, Wisconsin; 1948, Coos County Forest Dept., Cruising Timber, Coquille, Oregon; 1949, Coeur d'Alene National Forest, Scating and Marking, Coeur d'Alene, Idaho.

McELDERY, RICHARD D.
Miles City, Montana
Range Management
Foresters Ball 3, 4.
Summer work: Army Engineers, Port Peck, Montana '48; Bureau of Land Management, Miles City, Montana '49.

MINOW, JOHN T.
Olivia, Montana
Range Management
MSC, Bozeman, '42-'43; Forestry Club 2, 3, 4.

McGAW, WAYNE
Sheridan, Wyoming
Timber Management
University of Wyoming '47; Forestry Club 3, 4; Forester's Ball 3, 4.
Summer work: Burlington Tie & Timber Treating Plant, Sheridan, Wyoming, 2 years; Smokechaser, Kootenai National Forest, Troy, Montana '49.

MOONIER, JAMES E.
St. Cloud, Minnesota
Timber Management
Teachers College, St. Cloud, Minnesota, '40-'42, '45-'47; Forestry Club 2; Forester's Ball 2, 3.
MOORE, LEONARD C.
Hardwood, Michigan
Timber Management

OMODT, HARLAN F.
Reeder, North Dakota
Range Management

NAVRATIL, THEODORE W.
Tuckahoe, New York
Timber Management
Forestry Club 1, 2, 3, 4; Forester’s Ball 1, 2, 3, 4; Rifle Club 1; Alpha Phi Omega 3, 4. Summer work: 1946, Crew Leader, Blister Rust Crew, Kaniksu National Forest, Idaho; 1947, Checker, Kaniksu National Forest, Washington; 1948, Chief of Party, Disease and Stocking Survey, Washington and Idaho; 1949, Timber Cruiser, J. Neils Lumber Co., Libby, Montana.

ON, DANNY
Red Bluff, California
Timber Management
Chico State College, 1946; Forester’s Ball, Ticket Committee Chairman 3; Phi Sigma 3, 4. Summer work: 1946, Smokejumper, USFS, Cave Junction, Oregon; 1947, Smokejumper, USFS, Cave Junction, Oregon; 1948, Timber Management Aid, USFS, Lolo National Forest; 1949, Powdermonkey and Scaler, Potlatch Forests, Inc., Idaho.

NIVEN, DONALD E.
Range Management
Range Management

PARRISH, JACK B.
Martin, Tennessee
Range Management
University of Tennessee Junior College 1941; Forestry Club 2, 3, 4; Druids 3, 4; Student Assistant, Surveying, summer 1947. Summer work: 1948, Cruiser, Road Location and Surveying, J. Neils Lumber Co., Libby, Montana; 1949, Mechanic, Jerry’s Repair Shop, Missoula, Montana.

NORMAN, DONALD R.
Laurel, Mississippi
Timber Management
University of Oklahoma 1946-1947; Forestry Club 2, 3, 4; Forester’s Ball 2, 3, 4; Forester’s Ball Club Softball Team 3. Summer work: 1947, Surveying, L. O. White, Laurel, Mississippi; 1948, ACM, Lumber Dept., Bonner, Montana.

PASE, CHARLES P.
Millford, Delaware
Range Management
San Diego State College 1946-1947; Forestry Club 2, 3, 4, Sec. 4; Forester’s Ball 2, 3, 4; Druids 4; Phi Sigma, President 4; Student Assistant, Range Forage Plants 4. Summer work: 1947, Seasonal Park Ranger, Yellowstone National Park; 1948, Park Ranger Naturalist, Yellowstone National Park; 1949, Park Ranger Naturalist, Yellowstone National Park.

OHLSON, VERLAND
Ashville, New York
Timber Management

REHFELD, ROBERT O.
Missoula, Montana
Timber Management
Forester’s Ball 1, 2, 3, 4, 5; SAE; Varsity Football 1. Summer work: 1943, Blister Rust; 1944, Lookout, Trail Maintenance, Powell Ranger Station, USFS; 1945, Smokejumper, USFS; 1946, Smokejumper, USFS; 1947, Timber Cruising and Marking, Lolo National Forest, USFS; 1948, Electricians Helper, White Pine Sash Co., Missoula, Montana; 1949, Headquarters Guard, Lolo Ranger Station, USFS.
RHEIN, LEO A., JR.
Helena, Montana
Range Management
University of Wisconsin, '46-'47.

SEVERTSON, HARRY LOUIS
Conrad, Montana
Range Management
Forestry Club 1, 2, 3, 4; Forester's Ball 1, 2, 3, 4.
Summer work: 1947, Lookout-Fireman, Big Prairie Ranger Station, Flathead National Forest; 1948, Farm work, Montana and Canada; 1949, Fire Control Assistant, Wise River Ranger Station, Beaverhead Forest.

RICE, CHARLES D.
Phoenix, Arizona
Timber Management
Forester's Ball; Senior Advisor, Special Features 3, 4; Wesley Foundation 1, 2, 3, 4.

SHELDEN, LYNN C.
Ophelim, Montana
Timber Management
Phi Sigma 3, 4.

RUSK, WAYNE E., JR.
Colorado Springs, Colorado
Timber Management
Forestry Club 1; Forester's Ball 1, 2.
Summer work: 1947, Smokejumper, USFS, Missoula, Montana; 1948, Timber Management Aid, Engineering Aid, Lolo National Forest; 1949, Fire Control Aid (air observer), Lolo National Forest.

SIEMINSKI, JOE
Ambridge, Pennsylvania
Forest Management
Forestry Club 1, 2, 3, 4; Forester's Ball 1, 2, 3; Chief Push 4; Druids 3; President 4; Phi Sigma 3, 4; Silent Sentinel 4; Corbin Hall President 4; Intramural Softball 1.

SATTERLEE, ROYCE E.
Omak, Washington
Timber Management
Forestry Club 1, 2, 3, 4; Forester's Ball 1, 2, 3, 4; Ski Club 1, 2, 3, 4; Druids 3, 4.

SJOGREN, CARL
Anaconda, Montana
Range Management
Phi Sigma Kappa 1, 2, 3, 4.

SCHROEDER, CLEO H.
Epping, North Dakota
Range Management
Phi Sigma Kappa 1, 2, 3, 4.

SOUTHWARD, HARRY R.
Valhalla, New York
Timber Management
New York Ranger School, Syracuse University, New York; Forestry Club 2; Forester's Ball 2.
Summer work: 1947, Growth Studies on School Forest, Syracuse University, Wanakena, N. Y.; 1948, Smokejumper, USFS, Missoula, Montana; 1949, Smokejumper, USFS, Missoula, Montana.
STANDIFORD, ALVAN A.
Hot Springs, Montana
Timber Management

TRICKEL, JOHN W.
Paxton, Illinois
Timber Management
Forestry Club 1; Forester's Ball 3; Surveying Assistant 3; Intermural Softball 1.

STANTON, HAROLD G.
Hardin, Montana
Range Management
Forestry Club 1; Phi Sigma Kappa.
Summer work: 1947, Water Bombing Project, Northern Rocky Mountain Experiment Station; 1948, Receptionist and Bookkeeper, Reservation Ranchers and Farmers Cooperative Assn., Hardin, Montana; 1949, Receptionist and Bookkeeper, Reservation Ranchers and Farmers Assn.

VACHAL, STANLEY J.
Stanley, North Dakota
Range Management
Forestry Club 1, 2.

STERMITZ, ROBERT E.
Helena, Montana
Timber Management
Forestry Club 1; Phi Delta Theta 1, 2, 3, President 4; Phi Sigma 3, 4; Kappa Tau 3, 4; Intermural Basketball 1, 2, 3, 4; Football 1, 2, 3, 4.

WARFORD, ROGER P.
Ranch Creek, Montana
Range Management
Montana School of Mines '44, '46-'47, Forestry Club 2, 3, 4; Forester's Ball, Adviser, Gym Decorations 4.
Summer work: 1946, Smokejumper, USFS, Missoula, Montana; 1947, Smokejumper, USFS, Missoula, Montana; 1948, Smokejumper, USFS, Missoula, Montana.

SYLVESTER, VERNON E.
Leavittown, Montana
Wildlife Management
Forestry Club 1, 2, Treasurer 3, 4, President 5; Forester's Ball 1, 2; Chairman Tickets 3; Advisor, Ticket Sales 4; Advisor, Publicity 5; Ski Club 1, 2, 3, Vice President 4; Druids 3, Vice President 5; Phi Sigma 3, 4, 5.
Summer work: 1947, Smokejumper, USFS, Missoula, Montana; 1948, Smokejumper, USFS, Missoula, Montana.

WARNKE, JOHN C.
Oroville, California
Timber Management
Forestry Club 2.
Summer work: 1948, Lookout-Smokechaser, USFS, Calville National Forest; 1949, Dispatcher, USFS, Calville National Forest.

THOMPSON, VERN L.
Hudson, Wisconsin
Range Management
Forestry Club 1 Asst. Treasurer 2, Treasurer 3, 4, Forester's Ball 1, 2; Chairman Tickets 3; Adviser, Ticket Sales 4; Adviser, Publicity 5; Ski Club 1, 2, 3, Vice President 4; Druids 3, Vice President 5; Phi Sigma 3, 4, 5.
Summer work: 1947, Lookout-Fireman, Lolo National Forest, USFS; 1948, Cruiser, J. Neils Lumber Company, Libby, Montana; 1949, Choker-setter, ACM Co., Camp No. 8; 1949, Forestry Aid (research), Northern Rocky Mountain Experiment Station.

WESKAMP, FRANK R.
Ronan, Montana
Range Management
Forestry Club 1, 2, 3, 4; Forester's Ball 1, 2, 3, 4; Forestry Kalmia 2, 3, 4; Rifle Club 1.
Summer work: 1948, Lookout-Smokechaser, Flathead National Forest, Coram Range Station.
WHEELER, DAVID H.
Denver, Colorado
Timber Management
Colorado A & M 1946-1947; Forestry Club 3, 4; Forester’s Ball 3, 4; Sigma Chi 1, 2.

WORF, WILLIAM A.
Forsyth, Montana
Range Management
Forestry Club 1, 2, 3; Forester’s Ball 1, 2, 3, 4.

WILLEY, RICHARD M.
Oak Park, Illinois
Timber Management
Forestry Club 1, 2, Theta Chi 1, 2, 3, 4; Intramural Football 1, 2, 3, 4; Softball 1, 2, 3, 4; Swimming 1, 2, 3, 4.

YOUNG, KENNETH I.
Vandergrift, Pennsylvania
Timber Management
Vandergrift College Center 1946-1947; Forestry Club 2; Forester’s Ball 2, 3, 4; Intramural Softball 3; Basketball 4.

WUERL, CLAYTON J.
Cascade, Montana
Range Management
Forester’s Ball 3; Phi Sigma Kappa 1, 2, 3, 4; Intramural Football 1, 2; Softball 1, 2.

ZACEK, JOE
Worden, Montana
Range Management
University of Illinois 1943-1944; Forestry Club 1, 2, 3, 4, 5; Forester’s Ball 1, 2, 3, 4, 5; Druids 5; Student Assistant Surveying 3, 4.

WOLFE, LEO J.
Montevideo, Minnesota
Range Management
University of Minnesota 1940-1941; Forestry Club 1, 2, 3; Forester’s Ball 1, 2, 3, 4; Traditions Board 3; Phi Sigma Kappa 1, 2, 3; Newman Club 1, 2, 3, 4; Intramural Track 1, 2, 3; Football 1, 2.

SANS INFO
Amundson, Marvin
Buller, Gerald F.
Cernazanu, Pete

Curtis, Doyle
LaBonta, Robert E.
Martinson, Edward
Ross, Turner E.
VanCamp, Milton L.
Wirak, Joseph A.
Akre, Carl W.
Alt, Bernard W.
Bacon, Charles A.
Bangs, William C.
Barnett, Richard
Beatty, Ben
Bowman, Albert Ray
Brookins, R. J.
Buchmeier, R. H.
Burnell, Fred
Campbell, Donald G.
Chamberlain, James
Clendenin, Melvin
Colton, Rex
Cotter, James F.
Covey, Harry Lee
Cramer, John
Crocker, Jack C.
Donovan, Leslie Paul
Drabbs, Russell J.
Duval, Bob
Emerson, John L.
Evans, William L.
Fecht, Robert W.
Feinblum, Melvin
Fenell, Klas K.
Fields, John F.
Frame, Albert A.
Gilliam, Luther Neil
Greeson, David
Hanson, Ralph
Hawks, Harry J.
Hawley, Jack H.
Heath, Melvin
Hendryx, Rex W.
Herboldshimer, Wm.
Herrington, Roscoe
Higgins, John
Hix, William H.
Hursch, Malcolm
Hutchings, David W.
Jasperon, Robert W.
Julian, Ralph W.
Kasberg, Walter
Kupke, William A.
Leamer, R. B.
Lellelid, Harold R.
Lieding, Calvin
Magee, Duane
Maloney, Ralph
Marsh, Carl
Martin, F. D.
McCue, Robert H.
McDougal, John J.
McLaughlin, George F.
Meischke, Paul T.
Mellgren, Don C.
Miller, Robert W.
Montross, Lawrence
Nelson, H.
Olson, A. H.
Perry, Nat
Prussing, Fred W.
Pulver, Ray E.
Rector, Bruce
Rice, R. M.
Robinson, Dale L.
Rogers, Ken
Roostron, Ed
Scalise, John
Schmartz, N.
Shoemate, Max E.
Sinclair, C. S.
Smith, James C.
Staley, John M.
Stockton, Arthur
Strong, Richard A.
Sullivan, Michael J.
Tannenbaum, M.
Terry, David
Vanderwall, Kenneth F.
Van Gieson, Bayard R.
Voss, George L.
Wanner, Kennedy A.
Waterman, Charles
Welch, G. D.
Wessbecher, H. O.
Westman, Fred
Westra, Bernt F.
Wilde, Wayne W.
Yuhas, Melvin
Zanto, Elmer E.
Ziegler, Robert C.
SOPHOMORES


Anderson, Clayton H.
Belcher, F. A.
Bjorkland, R. G.
Borden, Patrick H.
Bourdette, Warren C.
Boyd, Frank, Jr.
Brammer, Gerald L.
Burrowchs, Edward R.
Carpenter, Morris M.
Casagranda, Donald
Christman, Peter
Clark, William
Coates, Alan B.
Cooney, Robert J.
Coster, Barney
Couvillion, Duane P.
Covey, William H.

Cronin, Raidl
Crossen, James D.
Cullen, Donald
DeZar, Robert
Doty, Wendell M., Jr.
Finkayson, Harry R.
Fuller, David S.
Gaffney, John
Gams, William J.
Gansel, Charles
Garner, Roy
Gerlach, Fred L.
Gerrard, Doyle
Gibson, William K.
Graham, Dave
Griffes, Robert
Gryczan, Edward J.
Guyer, Vernon

Haertle, Louis A.
Haffly, Kenneth
Hansen, Richard
Hart, Russell C.
Harvey, Franklin
Hoffman, Wallace D.
Howard, Harold R.
Jacobsen, Arne
Johnson, Dean
Keeman, Robert S.
Kestell, Richard J.
Kinchelow, J. J.
Klant, R. F.
Kulhanek, Emil
Lamley, Robert E.
Leicht, Richard
Meuchel, Joe
Miglin, Harold

Morrison,
Nelson, Keith W.
Noren, Albert E.
Olson, Ralph Harold
Peacock, Robert O.
Peterson, Doris
Ruth, Thomas J.
Sartain, Ed
Thompson, James
Thompson, James R.
Ungar, Ken E.
Wakefield, Sam
Watson, Bruce V.
Webb, Vernon Sid
Weistaner, Davis A.
Williams, Victor E.
Wolf, Leonard
Wyldman, E.
FRESHMEN


Addor, Eugene E.
Almen, Clarence E.
Baldwin, Wiley
Beesley, Stan A.
Bender, Ralph W.
Binet, William E.
Blake, Clyde D.
Bond, Douglas S.
Boyle, Daniel R.
Burns, Bruce W.
Butler, Jack
Campbell, Buddy Eugene
Carpenter, George
Christenot, R. L.
Christopherson, Kay E.
Congdon, Cliff
Cumley, Del W.
Cumley, William Eugene
Daniels, Ronald L., Jr.
Dixon, Duane C.
Fleming, Gary Richard
Haffenstei, Erwin N.
Heil, George A.
Holland, John
Johnson, Carl F.
Johnson, James W.
Johnson, John M.
Kauffman, David T.
Kiser, Fay
Klein, John M.
Knapp, Harold G.
Knutson, Charles J.
Kulawick, Don
Lantz, Donald
Leicht, Rodney W.
Leirdahl, Robert
McNamee, B. L.
Moore, James F.

Murray, Robert Burns
Ouill, Ralph
Patten, Warren E.
Risken, W. B.
Saltzman, David W.
Sampson, Alfred
Schaeffer, Thomas
Schoenbaum, Jim
Simpson, Richard
Snipola, Monte Niel
Tank, Doyne Leon
Tanner, Stephen
Tempel, Robert P.
Thornburg, Robert D.
Volts, James R.
Webb, Robert C.
Williams, Donald V.
Wolle, Richard R.
Woomer, M. E.
Yurnell, John
Montana's Forestry honorary, Druids, selects its members from the Junior and Senior classes, choosing those who have shown by scholarship and interest and participation in Forestry School Functions and Forestry Club activities that they are leaders and sincerely interested in school betterment.

Passing officers of the group are: President, Joe Siemenski; Vice President, Ed Bangle; Secretary, Royce Satterlee; Treasurer, Ed Bangle, acting; Historian, Tom Walbridge.

Next year's officers are: President, Harry Covey; Vice President, Dale Robinson; Secretary, Ralph Hansen; Treasurer, Dick Strong; Historian, John McDougal.

The third of the annual alumni scholarship awards, consisting of twenty-five dollars and certificate of excellence was presented to Charles Pase. He was chosen as the outstanding member of the junior class during the academic year 1948-49 in token of his high scholarship, loyalty to school affairs and genuine interest in the profession. The selection committee was composed of alumni, faculty, and members of the senior class.

The award has been established as a memorial to those of the forestry school, students and alumne who fell in World War II has been financed through donations from the alumni.
The transit has its place in the location of permanent roads.

The Porcupine Without the Quills

By

THOMAS A. WALBRIDGE, JR.
Assistant Professor of Forestry

Private logging operators rarely criticize the engineering theory and principles of route surveying. The way in which this theory is applied, and the extent of its application, however, are frequently taken to task. Many operators who build their own roads, object specifically with the rueful remark that engineering costs will almost equal construction costs. Such remarks of course stem from engineering costs incurred by locaters who refuse to adopt methods commensurate with the accuracy required for logging road construction.

The flexibility of the logging truck as a medium of hauling has been responsible for the construction of roads which are cheap to build, but expensive to haul over. Criteria for grade limits cannot be based on the ability of trucks to negotiate favorable grades up to 25% and adverse grades up to 10% or more. On the other hand, ideal alignment and grades for hauling may incur such high engineering and construction costs, that hauling costs may become prohibitive.

Present day engineering and location methods used in the woods range from the transit and tripod level, to the eyeball and abney. Few private operators argue the use of the transit and paper location methods for permanent roads of the highway standard. Also, few route engineers will argue that the location of branch roads should not remain in the realm of the abney. It is the middle ground, the main drainage road lying between the two limits of engineering and construction costs, which is the bone of contention. Some operators cling to the "loggers survey," and some engineers just as determinedly hold to the use of paper location methods. This is the job of the forest engi-
neer then—to apply techniques of location which will produce a better haul road than the "loggers survey," and a cheaper road then produced by the route engineer.

Techniques for the location of main drainage roads must be designed to meet each individual operator's needs. When machines are used for clearing of the right-of-way, methods of location must be devised which will produce inexpensive limits for clearing, and yet allow re-establishment of the intended alignment at a reasonable cost.

One such method, which has proven practical under machine clearing conditions is based on the use of the staff compass and abney level for the establishment of the preliminary line. Perhaps the most efficient method of setting this line on the ground is to set lath at 50 foot intervals along the grade line so that they are intervisible. The next step is to traverse the preliminary line with the staff compass by taking readings from alternate stations. When the preliminary line has been set and traversed, levels on the line may be obtained by using the abney as a level and a 5-foot stick as a tripod. The rod man uses each station as a turning point, which allows a rapid means of leveling. A transverse picture of the road may be obtained by using the abney to measure the angle of the side slope at right angles, and on either side of each station. A note may be made as to how far from the line these slope conditions exist, and with reasonable care, good cross-section information may be procured. All necessary field data for obtaining a paper location of the final centerline has been secured, and the remaining work can be best accomplished in the office.

Coordinates for the plotting of the preliminary line may be readily computed by the use of latitudes and departures. The use of cross section paper (10 squares to the inch) for the plotting of the traverse on a scale of 1" equals 100', will facilitate the location of the centerline. The profile of the preliminary line should be plotted on the same type of paper to a vertical scale of 1" equals 10', and a horizontal scale of 1" equals 100'. Returning to the traverse, right angles lines are drawn at each station and the side slopes obtained with the abney are recorded on them. Combining the information offered by the traverse, profile and cross-sections, tangents are drawn on the traverse, and curves fitted to them. The distance moved to the right or left of the preliminary line with the paper located centerline, at any particular station, applied to the side slope angle will produce the change in elevation from the preliminary line to the centerline. Plotting of these projected elevations will produce a profile of the paper located centerline which may be used as a check on grade restrictions, and also indicate what construction requirements are present for this particular location. If the paper location appears feasible without further adjustment it may be established on the ground by merely making right angle offsets from the existing preliminary line stations. Referencing of the

"Construction stakes insure good alignment."
PC's and PT's of the curves and at other necessary points prior to the machine clearing, will allow re-establishment of the centerline at a reasonable cost.

Many operators would favor termination of all engineering work at this point. Actually, the point where the intensive engineering should begin is when the centerline has been re-established on the cleared right-of-way. The use of construction stakes and grade marks are essential to good horizontal and vertical alignment. Unless the dozer operator begins the initial cut at the proper point, his ditch line will not coincide with the intended ditch line when he has cut down to the proper grade elevation. Such conditions will result in crooked tangents, and non-uniform curves. This type of alignment will cause slower hauling speeds when the grade is not a limiting factor and thus result in higher unit hauling costs.

The setting of construction stakes, more commonly known as slope stakes or cut and fill stakes, is confusing to most men whose duties may involve many other jobs than road location work. In the hands of men lacking the theoretical background the setting of these stakes involves an expense which usually leads to their abandonment. This job may be greatly simplified and the expense reduced by graphically determining the position of these stakes. The solution may be easily obtained by plotting the road width, ditch and back slope to scale on a piece of cross-section paper. At each station it is necessary to know the cut or fill at the centerline to grade, and the side slope of the ground at right angles to the station. Plot the ground elevation in relation to grade on the centerline. Next, place a plastic ruler on this point and at an angle which represents the degree of side slope. The point where the ruler intersects the back slope or fill slope line, is the proper position of the cut or fill stake. The vertical distance above grade at this point, and the horizontal distance to the right or left of the centerline may be read directly from the cross-section paper. The slope distance to the stake is most readily used to set the stake, but the vertical and horizontal distances are usually recorded on the stakes. On side hill location the cut stake is usually the only stake set. Grade marks should be set during the process, and thus the engineering terminated.

And so we attempt to give the logger the porcupine without the quills. In other words, the engineering without the engineering cost. Of course it is impossible to expect the above method to be a panacea but it will produce a good road at a low engineering and construction cost. There are certainly other methods, maybe better methods, but the main concern is to devise methods which are adequate but cheap. Your job is not necessarily to apply what is set down here, but to improve on these ideas, with gadgets, tables, and instruments which will accomplish these ends.
THE ACTIVITIES

OF

THE MONTANA FORESTRY CLUB

Executive Board—First row: Bob Duval, Treasurer; Charlie Pase, Secretary; Vern Sylvester, President; Dale Robinson, John McDougall. Second row: Moose Cohen, Clyde Fauley, John Stailey, Jack Parrish, Joe Sleminski.
SPRING QUARTER

After a long hard winter, the Forestry Club again blossomed into activity.
The club again served the Aber Day barbecue. It was a bountiful feed, enjoyed by over one thousand people. Monk DeJarnette deserves the credit for the good cooking.

"Grampa's Longjohns," a vaudeville show was sponsored by the Foresters, for the benefit of the Montana Conservation Council. Everyone enjoyed being in show business.

The first Forestry Club Banquet was held in the Hotel Florence this spring. Axel Lindh was the principal speaker, Charlie Pase the master of ceremonies, and music was furnished by the Hoe Dang Symphony with vocalizing by Clyde Fauley. This was one of the most enjoyable events of the year and promises to become an annual affair.

The Spring Hike, under the able directorship of Bob Dusenberry, was held at Council Grove. The promise of the pleasure of eating some of Monk's barbecue brought out a good crowd who enjoyed the usual games.

This finished an active quarter and the forester's left for hard work in the field.

The beginning of Fall Quarter marks the migration of the Foresters back to civilization and classrooms. The Forestry Club immediately got into the thick of things by helping the alums put on the homecoming barbecue.

Under the able direction of Bill Covy the Fall Hike was the highlights of fall quarter for foresters and their dates. The campground in Pattee Canyon provided plenty of atmosphere as well as facilities for sports such as horseshoes, volleyball, football, log sawing and egg races. Beer was awarded winners of individual contests.

Through the efforts of Don Cullen and Bill Gibson the group was provided with hot dogs, apples and coffee to fill that empty space. After chow the picnickers gathered around the roaring campfire for square dancing and a songfest, all to the accompaniment of the Hoe Dang Symphony.

For the rest of the quarter the Foresters bused themselves with numerous preparations for the coming Forester's Ball.
This year the Forestry-Home Ec Club party was given by the Forestry Club. Wes Morrison had charge of the details and put on a very good party which was enjoyed by all who attended. This quarter also saw the foresters enjoying the good snow conditions on neighboring ski runs.

ATHLETICS

1. Tense moment.


FORESTRY WIVES CLUB

Front row: Mrs. Vern Thompson, Mrs. Max Frizzell, Mrs. Leo Woicke, Vice President; Mrs. John Lans, Secretary; Mrs. Daniel Poole, Treasurer; Mrs. Edward Bangle, Mrs. Roger Warford, Scribe; Mrs. Cleo Schroeder.
Second row: Mrs. Dave Wheeler, Mrs. Bill Walker, Mrs. Charles Duigon, Mrs. John Miller, Mrs. Leslie Donovan, Mrs. Robert Willey, Mrs. Bunny Frame, Mrs. John Tricket, Mrs. Mike Pulver, Mrs. Hal Forsyth, Mrs. Jeanne Morrison.
Third row: Mrs. Arlene Cleveland, Mrs. Grace Wuerl, Mrs. Lucille Dobson, Mrs. Waltha Meischke, Mrs. Phyllis Kincheloe, Mrs. Sylvia Brookins, Mrs. Helen Van Grison, Mrs. Millie Yuhas, Mrs. Joan Shoemate.
Placing an aspiring forester behind each tree, the timber management seniors of 1949 took to the tall timber with a zest after a long cold winter. The six weeks were divided between a practical application of management and engineering and a tour of Idaho and Eastern Washington, which went under the heading of Regional Silviculture. An additional Utilization trip under Professor Spaulding was taken by a portion of the class.

The size of the timber management group necessitated division into two groups with the groups alternating between the management camp, engineering camp and the trip.

The management and engineering camps under the direction of Professors Bruns and Walbridge were again held at Warland, Montana. The cooperation of the U. S. Forest Service and the J. Neils Lumber Company made this possible with a minimum cost to the students. J. Neils must have had a record grocery bill after feeding so many timber beasts.

The management camp consisted of cruising, marking, scaling (both on the landing and in the woods), growth studies, participation in a hand logging operation, and a few of the boys even helped Lowell Adams collect seed and run a trap line for mice. An interesting sidelight was a trip through the J. Neils lumber mill and pole plant at Libby, Montana. There also seems to be faint memories of planting many P. pine seedlings under a rather high sun intensity.

The engineering camp gave us a chance to do some branch road locations and bridge site locations. Group A was able to observe the actual building of a branch road they had located.

Following the old theory of "all work and no play," heavy use was made of the volley ball court during the evenings followed by an occasional trip to Ed's Tavern for thirst quenching purposes. Group B even got together a softball team and sparked by Bob Patten's no hit pitching, twice whaled the daylight's out of the Libby all-stars.

The Regional Silviculture trip included stops at: the Deception Creek Forest Experiment Station—lots of white pine there; the Inland Paper Company of Spokane—now we see how the stuff is made; the Diamond Match logging operation at Elk Creek, Idaho—so this is where they get match sticks; the Potlatch Mill in Lewiston, Idaho—a chance to whistle at girls again; and the Priest River Experiment Station—more white pine. Kidding aside, the trip was well handled and a wealth of information was available to be absorbed according to individual desires. Professor Bruns shepherded Group B via chartered Greyhound Bus and Dean Davis led the car caravan of Group A.

"Chuck" Burke's unfortunate accident, involving serious internal and leg injuries saddened everyone. "Chuck" spent many months in the hospital but refused to be kept down and is now back at school growling at the office girls.

Many thanks to the J. Neils Lumber Company and the U. S. Forest Service for making the spring trip possible and economical. Bruns and Walbridge certainly deserve much praise for their ability to be patient as I am sure Paul picked up a few grey hairs and Tom lost some of his, which he can't afford, before the class "49" was graduated (booted) from school.

HOMER W. STRATTON.
Senior Range Management Trip—1949

A side from the fact that a larger group participated in the annual Range Trip, the itinerary was practically the same as the 1948 trip. The observers were: Prof. Mel Morris, Joe Adam, Dick Bauman, Abijah Cook, Jack Darham, Euel Davis, Roger Fish, Bob Kincaid, John Kitchens, Joe Martinez, Frank Kline, Clayton Ogle, Doug Morrison, Eddie Nygard, and Al Rapp.

Trip Hi-lights

Dubois Sheep Experiment Station (Idaho)—Improving range sheep breeds and management on sagebrush land.

Farmington, Utah—Watershed management—devastating effect of flash-floods and mud flows.

Desert Range, Beaver, Utah—Range types and desert winter sheep range. Post-winter conditions of extreme 1948-49 winter.

Game Management, Beaver, Utah—Special game-livestock competition problems.

Zion National Park (Utah)—Recreation, Geology, Southwestern Plants.

Game Range, Kaibab National Forest (Arizona)—After effects of heavily over-populated deer herd.

Grand Canyon (South Rime) Arizona—Recreation, refreshments, quiz.

Navajo Indian Reservation (Arizona)—Navajo problems—water, grazing, livestock, domestic.

Fort Valley Experiment Station (Flagstaff, Arizona)—Forest range—Ponderosa pine, reseeding.

Sierra Ancha Range Experiment Station—Forest range, watershed management.

Santa Rita Range Experiment Station (South of Tuscon, Arizona)—Range types, water developments.

Heady-Ashburn Ranch (U. S.-Mexico Border)—High type of ranch management in extreme drought country.

Nogaliz (Old Mexico)—Recreation, refreshments, souvenirs.

Papago Indian Reservation (Sells, Arizona)—Airplane pellet reseeding, general agriculture, Papago rehabilitation.

Boulder Dam (Boulder, Nevada)—Boat trip to head of Lake Mead—siltting.

Nevada—Range types.

Craters of the Moon (Idaho)—Range types.

Thus climaxed four years of study, a trip showing theory put into practice.

EUEL DAVIS.
The ingenuity, worry and effort on the part of Joe Sieminski, this year's Chief Push, and the active participation of the Forestry Club members throughout the fall and winter quarters culminated in the 33rd Annual Forester's Ball.

The Foresters can well take pride in the overwhelming success, both financially and socially, of this year's Ball. A capacity crowd enjoyed the affair both nights.

New contributions to this year's ball were John Staley's 'Blue Ox', Bob Gashwiler's 'Club Emblem' and the special effects committee's ingenious arrangement of announcing dance numbers.

Dance music was again furnished by Johnny Young's orchestra of Spokane. Refreshments were served, on the house, in Bunyon's Bar with Don Graff pounding the keys for any who wished to harmonize. Plenty of chuck was provided at the Forestry School for replenishing energy.
FORESTER'S BALL—
Forestry School Alumni

and

Advertisers

Ade, Harry G., '15 ................................................................. 1004 N.E. Alton, Portland, Oregon
Adams, L. Parker, '28 .......................................................... 117 W. Ninth St., Rm. 920, Los Angeles, California
Adams, William H., '43 ....................................................... Glacier National Park, Belton, Montana
Aiken, John F., '30 ............................................................... Fire Chief, Glacier National Park, Belton, Montana
Akin, Melvin L., '38 .............................................................. Eden, Texas
Allan, William S., '23 ........................................................... Greentree Manor, D-6, Louisville, Kentucky
Alexander, Melvin T., '49 ..................................................... Frenchtown, Montana
Allison, Norman E., '48 ....................................................... USFS, Orofino, Idaho
Ames, Charles R., '41 .......................................................... USFS, Philipsburg, Montana
Andersen, Leif J., '46 ........................................................... Address Unknown
Anderson, Homer E., '28 ..................................................... Grazing Service, Bozeman, Montana
Antonich, John, '39 .............................................................. 720 East Fourth Street, Anaconda, Montana
Armstrong, Keith A. .......................................................... No. 6 Cascade, Missoula, Montana
Arnold, Robert W. ............................................................. Stilwater Station, Olney, Montana
Ashbaugh, Leonard J., '29 .................................................... Address Unknown
Asher, Lowell, '48 .............................................................. 1507 Gallatin Ave., Helena, Montana
Averill, Clarence ............................................................... USFS, Deadwood, South Dakota
Axland, Don, '39 ............................................................... 634 S. Lincoln, Casper, Wyoming
Ayers, Oscar W., '47 .......................................................... USFS, Philipsburg, Montana
Baggenstoss, Rollin N., '43 .................................................. c/o Virgil Campbell, Bozeman, Montana
Baggs, John T., '26 ............................................................ Pollock Forests, Inc., Lewiston, Idaho
Bailey, Frank T., '47 .......................................................... USFS, White Sulphur Springs, Montana
Bailey, John Lawrence, '41 ................................................ 912 Park Street, Minot, North Dakota
Baker, Clyde F., '21 ............................................................. Address Unknown
Baldwin, Richard, '47 ......................................................... USFS, Curlew, Washington
Ballard, James J., '39 .......................................................... McClellanville, South Carolina
Barrett, Eugene W., '40 ...................................................... USFS, Palo, California
Bauer, Jerome L., '40 ........................................................ 905 Evans, Missoula, Montana
Bauman, Richard, '49 ........................................................ Bureau of Land Management, 1426 N. 28th Street, Billings, Montana
Beamon, Dallas W., '46 ..................................................... USFS, Princeton, Idaho
Becheel, Kenneth, '32 ........................................................ Address Unknown
Beck, Donald Walter, '40 ................................................... Deer Lodge, Montana
Benson, Fred, '33 ............................................................... Bureau of Land Management, Whitehall, Montana
Benson, Homer G., '40 ....................................................... 815 3rd, Hamilton, Montana
Bergner, Karl William, '40 ................................................ Box 971, Buffalo, Wyoming
Bernard, Lloyd, '37 ........................................................... USFS, Twisp, Washington
Beyer, Frederick C., '46 (Degree granted posthumously) ......... Deceded
Bieni, Clarence F., '42 ....................................................... Box 82, Corvallis, Montana
Bischoff, Paul A., '27 .......................................................... 905 Evans, Missoula, Montana
Bishop, Arthur, '11 ............................................................ Box 812, Sacramento, California
Bloom, Charles W., '27 ....................................................... Address Unknown
Bloom, Robert H., '49 ........................................................ I. Neils Lbr. Company, Libby, Montana
Bock, Cyrus E., '41 ............................................................. 22 W. Cottonwood, Bozeman, Montana
Bodley, Russell R., '41 ........................................................ 801 E. Sussex Avenue, Missoula, Montana
Boe, Kenneth N., '46 .......................................................... 601 E. Sussex Avenue, Missoula, Montana
Boken, Milton J., '41 ........................................................... Twin Bridges, Montana
Bolle, Arnold W., '37 .......................................................... SCS, Okanogan, Washington
Bonawitz, Norval C., '34 ..................................................... Lt. Col., Qts. 931-3, Maxwell Field, Montgomery, Alabama
Bonner, Frank E., '28 (Honorary) ........................................ 100 Manor Drive, Piedmont, California
Bonner, James H., '07 .......................................................... Address Unknown
Branden, Warren F., '43 ..................................................... 2117 33rd Avenue, Seattle, Washington
Bradley, Paul G., '23 .......................................................... Route 1, Fort Atkinson, Wisconsin
Brierley, Tom E., '36 ........................................................... USFS, Lamont, Nevada
Brock, James W., '17 .......................................................... 1241 Pasadena Avenue, N.E., Atlanta, Georgia
Brown, Dudley T., (Oct. '34) ............................................... Ashland, Montana
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Campbell, Alastair, '35 Manager, Valentine National Wildlife Refuge, Valentine, Nebraska
Campbell, Echo H. (Mrs.) 937 So. 5th St. W., Missoula, Montana
Campbell, Lloyd S., '26 Deceased
Campbell, William Reese, '42 Cut Bank, Montana
Canfield, Roy H., '26 Address Unknown
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Curits, Frank C., ’33 ........................................ USFS, Dillon, Montana
Cusker, Orien J., ’42 ........................................ SCS, Circle, Montana
Dacanay, Placido, ’20 ...................................... c/o Bureau of Forestry, Manila, P. I.
Dahl, Jerome, ’30 ........................................... Box 105, USFS, Tallahassee, Florida
Dapuzzo, Juan D., ’24, ’25 ............................. c/o Bureau of Forestry, Manila, P. I.
Dailey, Myron E., ’41 ....................................... Box 202, Terry, Montana
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Draho, Kenneth W., '46 ............................................. USFS, Petersburg, Alaska
Dressell, Wilfred, '36 .................................................. USFS, Kemmerer, Wyoming
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<td>823 Gerald Avenue, Missoula, Montana</td>
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<td>Eggens, Jorgen H., '43</td>
<td>Reserve, Montana</td>
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<td>Ekern, Halvor</td>
<td>USFS, Thompson Falls, Montana</td>
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<td>Ellison, Stuart P., '49</td>
<td>Big Timber, Montana</td>
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<td>Enke, William C. A., '46</td>
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<td>Erickson, Allen, '39</td>
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<td>Erickson, Vernard L., '40</td>
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<td>Ernest, Emil F., '29</td>
<td>Yosemite Park, Yosemite, California</td>
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<td>NRM Forest and Range Experiment Station, USFS, Missoula, Montana</td>
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<td>Euson, Millard, '33</td>
<td>USFS, Sandpoint, Idaho</td>
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<td>Falacy, Ted, '39</td>
<td>536 Woodford, Missoula, Montana</td>
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<td>Fals, Willard R., '45</td>
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<td>Fallon, Dale, '49</td>
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<td>J. Neale Lib, Company, Libby, Montana</td>
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<td>1431 21st N. E. St., Portland 12, Oregon</td>
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<td>Faurout, James, '49</td>
<td>758 Eddy Avenue, Missoula, Montana</td>
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<td>Ferguson, C. Wesley, Jr., '48</td>
<td>Big Bear Lake, California</td>
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<td>Fernette, Winon, '49</td>
<td>140 University, Missoula, Montana</td>
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<td>Fiebelkorn, Carl O., '42</td>
<td>440 S. 27th, Apt. 2D, Richmond, California</td>
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<td>Fields, Ralph E., '25</td>
<td>235 South 8th St. E., Missoula, Montana</td>
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<td>Finch, Tom L., '47</td>
<td>404 N. Pattee, Missoula, Montana</td>
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<td>Fish, Roger L., '49</td>
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<td>Fleming, William W., '41</td>
<td>403 N. Sargent Avenue, Glendive, Montana</td>
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<td>Flint, Alfred, '32</td>
<td>USFS, Libby, Montana</td>
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<td>Flock, K. D., '29</td>
<td>USFS, Santa Fe, New Mexico</td>
</tr>
<tr>
<td>Flores, Eugene W., '32</td>
<td>2714 Coolidge St., Madison 4, Wisconsin</td>
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<td>Foreman, Byron L., '49</td>
<td>No. 21 Custer, Missoula, Montana</td>
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<td>Forister, Thomas E., '49</td>
<td>421 E. 18th Street, Cheyenne, Wyoming</td>
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<td>Forsman, John S., '40</td>
<td>USFS, Martindale, Montana</td>
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<tr>
<td>Franco, Felix, '21</td>
<td>Bureau of Forestry, Manila, P. L</td>
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<tr>
<td>Fritz, George J., '39</td>
<td>Address Unknown</td>
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<tr>
<td>Fritz, Nelson H.</td>
<td>7110 Allison Street, Landover Hills, Md.</td>
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<tr>
<td>Frost, Levi M., '29</td>
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<td>Fry, W. E., '23</td>
<td>USFS, Butte, Montana</td>
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<td>Frykman, Joel, '33</td>
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Greathouse, James R., '41 ...................................................................... Address Unknown
Greene, John R., '40 ............................................................................ Deceased
Greene, Robert J. (Zool.) '43 ................................................................. c/o Montana Fish and Game Commission, Helena, Montana
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<tbody>
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<td>Hague, Lloyd</td>
<td>Box 265, McCall, Idaho</td>
</tr>
<tr>
<td>Haines, Aubrey L.</td>
<td>15254 12th N. E., Seattle 55, Washington</td>
</tr>
<tr>
<td>Hall, John E.</td>
<td>1623 20th Street, Two Rivers, Wisconsin</td>
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<tr>
<td>Hall, Rufus H.</td>
<td>Minidoka National Forest, Oakley, Idaho</td>
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<tr>
<td>Haller, Fred B.</td>
<td>USFS, Bozeman, Montana</td>
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<tr>
<td>Hamilton, Reid A.</td>
<td>Address Unknown</td>
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<tr>
<td>Hare, Jean Peterson</td>
<td>Kingston Ranger Station, Kingston, Idaho</td>
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<tr>
<td>Hamre, Vernon O.</td>
<td>Kingston Ranger Station, Kingston, Idaho</td>
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<tr>
<td>Hancock, M. O.</td>
<td>Address Unknown</td>
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<tr>
<td>Hansen, Ralph</td>
<td>Priest Lake Ranger Station, North, Idaho</td>
</tr>
<tr>
<td>Harden, Edward W.</td>
<td>Whitehall, Montana</td>
</tr>
<tr>
<td>Hardy, Charles E.</td>
<td>USFS, Sandpoint, Idaho</td>
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<tr>
<td>Harris, Lester L.</td>
<td>c/o Belcher Lumber Company, Centerville, Alabama</td>
</tr>
<tr>
<td>Harris, Sam F., Ex</td>
<td>USFS, Deer Lodge, Montana</td>
</tr>
<tr>
<td>Hart, Dean E.</td>
<td>Darby, Montana</td>
</tr>
<tr>
<td>Hayes, Evan C.</td>
<td>155 Rotch Street, New Bedford, Massachusetts</td>
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<tr>
<td>Hay, Jack H.</td>
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Horn, John T., '46 ................................................................ C/o I. Nells Lumber Co., Libby, Montana
Hoyle, Oliver, '32 .................................................................... Deceased, 1939
Hoyt, H. Harrison, '23 ............................................................. Address Unknown
Hubert, Ernest E., '12 .............................................................. School of Forestry, University of Idaho, Moscow, Idaho
Hughes, Clyde, '49 ................................................................ Yakewood Villa, Box 116, Bothell, Washington
Hunter, Howard, '49 .............................................................. Home: 230 McLeod, Missoula, Montana
Hurwitz, Burt L., '38 .............................................................. White Sulphur Springs, Montana
Hutchinson, Frank E., '22 ......................................................... Division of Forest Products, 69 Tarra Bank Road, S. Melbourne, S.C. 4, Australia
Ibenthal, William H., '32 .......................................................... Kalispell, Montana
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Ives, Frank E., '40 ................................................................. Home: 352 E. Main St., St. Anthony, Idaho
Jackson, Chester W., '29; M.S., '33 ........................................ Deceased
Jackson, Gleen E., '40 ............................................................. Box 362, Red Lodge, Montana
Jansson, I. R., '38; M.S.F. '49 .................................................. USFS, Canyon Ferry Ranger Station, Helena, Montana
Jennings, Rudyard Clune, '41 .................................................. Box 409, Milburn, New Jersey
Jensen, Chandler V., Bot. '34 .................................................. Redmond, Oregon
Johnson, August Orrl, '41 ........................................................ J. Nells Lumber, Libby, Montana
Johnson, Charles L., '49 .......................................................... Grace, Idaho
Johnson, J. W., '29 ................................................................. Box 321, Plains, Montana
Johnson, J. William, '38 .......................................................... Box 37, Dewitt, Iowa
Johnson, Roy A., '40 .............................................................. Box 224, St. Anthony, Idaho
Jones, Horace, '38 ................................................................. 1245 N. 29th St., Billings, Montana
Jones, John D., '06 ................................................................. 1804 East Silver, Albuquerque, New Mexico
Jones, Layton, '47 ................................................................. 715 Rollins, Missoula, Montana
Jost, Edwin, '30 ..................................................................... USFS, Kalispell, Montana
Joy, Chales A., '30 ................................................................. USFS, 630 Sansome St., San Francisco, California
Kelsman, Myron H., '40 .......................................................... 112 East Central Ave., Missoula, Montana
Kelley, Evan W., M.F.S. (Hon.) '40 .......................................... Ten Acres, Rte. 2, Missoula, Montana
Kent, Hugh J., '17 ................................................................. Deceased, October, 1938
Kibler, Fred C., Jr., '40 ........................................................... Home: Box 171, Jordan, Montana
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Knapp, Oak .............................................................. USFS, Colville, Washington
Knutson, Alton Leonard, '41 .................................... Home; Box 7, Devon, Montana
Kohner, William G., M.S., '20, Professor of Forestry, John Muir Junior College, Pasadena, California
Kuziolo, F. C., '24 .................................................. USFS, Wasatch National Forest, Utah
Krause, Paul A., '39 ................................................. USIS, Fort Duchesne, Utah
Krocheck, Andy W., '29 ......................................... Cheyenne Horticultural Field Station, Box 1250, Cheyenne, Wyoming
Kruiger, William C., '41 ......................................... Soil Conservation Service, Custer, South Dakota
Kumler, Charles G., '27 ........................................... Lewistown, Montana
Lambert, L. H., '24 ............................................... 2717 Chestnut St., Camp Hill, Pennsylvania
Landt, Eugene F., '40 ............................................. Madison Laboratory, USFS, Madison, Wisconsin
Lane, Dave W., '49 ............................................... Home: Box 443, Deer Lodge, Montana
Lansing, Harold, '16 .............................................. deceased
Laroya, Sixto, '22 ................................................... District Forester, Baguio, P. I.
Larson, Stanford H., '32 ......................................... 911 Third Ave., Kuitapell, Montana
Lawrence, Mark, Bot., '45 ....................................... Box 1050, Fairbanks, Alaska
Leaphart, Charles Donald, '49 ................................. 126 Townsend Ave., New Haven, Connecticut
Leavitt, Roswell, '50 ............................................... c/o USFS, Weaverville, California
Lee, Bernard, '25 ................................................... deceased
Lee, Harry, '34 ...................................................... Address Unknown
Lothian, Horace L., '39 .......................................... P. O. 1112, Marfa, Texas
Lenman, Paul, Bot., '30 .......................................... P. O. Box 790, San Fernando, California
Lepley, Thomas Carson, '46 ................................... Butler, Wisconsin

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Home: Cord, Nebraska
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Melby, Arthur L., '40
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813 Montrose Ave., Chicago 13, Illinois
Miller, Dwight Wilson, '46
335 South 5th St., Missoula, Montana
Miller, Russell H., '40
Sugar City, Idaho
Millar, Stanley, '36
Address Unknown
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Miloivcovich, John Risto, '40
USFS, Libby, Montana
Moe, Morris E., '47
612 5th Ave., North, Great Falls, Montana
Mlynnek, William, '48
USFS, St. Regis, Montana
Moon, John C., '49
212 Main St., Rapid City, South Dakota
Moravec, Benoni, '40
145 S. Sorenson St., Calipatria, California
Molloy, Robert Kenneth, '48
Fir Manufacturing Co., (Gazely Route), Myrtle Creek, Oregon
Moxness, Gayne R., '42
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Muchmore, Albert F., '40 ................................................ Wise River R. S., Wise River, Montana
Mueller, Glenn H., '40 .................................................. Box 1032 (SCS), Moita, Montana
Muhlecke, Clarence, Bot., '33 ....................................... Botany Department, University of Washington, Seattle, Washington
Murche, Archie A., '31 ................................................... Nevada National Forest, Ely, Nevada
Mullen, John O., '46 ..................................................... Jerome, Arizona
Myers, Remley, '24 .................................................... 618 Realty Bldg., Spokane, Washington
Myers, Robert, '36 ........................................................ c/o SCS, Chamberlain, South Dakota
Nawrocki, Joe C., '40 ......................................................... Address Unknown
Neff, George, '38 ......................................................... Lumber Dept, ACM, Bonner, Montana
Neff, Lawrence, '33 ........................................................ c/o USFS, Grand Rapids, Minnesota
Neff, Paul E., '40 ............................................................. c/o USFS, Curlew, Washington
Nelson, Dan Spalding, '40 .............................................. NPS, Yellowstone York, Wyoming
Nelson, Donald W., '29 ................................................ c/o USFS, Livingston, Montana
Nelson, Frank Alge, '43 ................................................ c/o J. Neils Lumber Co., Libby, Montana
Nelson, Neal D., '48 .......................................................... c/o USFS, St. Anthony, Idaho
Nelson, Howard Sandvig, '41 .............................................. Deceased
Newcomer, Robert Eugene, '41 ....................................... Box 576, Jackson, Wyoming
Newton, Bruce, '39 ........................................................ 61 Benson St, Albany, New York
Nickolaus, Charles A., '24 ............................................... Address Unknown
Nickolaus, Howard M., '24 .............................................. 630 Sixth Ave, Bethlehem, Pennsylvania
Noussiman, Arne, '37 ......................................................... Address Unknown
Nygaard, Edward L., '49 .................................................. Home: 723 10th St S., Great Falls, Montana
Ogle, Clayton, '49 .......................................................... SCS, Townsend, Montana
Olsen, Laurence E., '40 .................................................. c/o USFS, Canyon Ferry R. S., Helena Natl, Forest, Helena, Montana
Olsen, Willard W., '40 .................................................. 1924 W. 5th St., Duluth, Minnesota
O’Neil, Charles, '32 .......................................................... Forest Products Co., 155 Main St, Kalispell, Montana
Orend, Eugene, '31 .......................................................... London, Kentucky
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Robbins, Robert, '39 ......................................................................... USGS, Whitehall, Montana
Robinson, John P., '41 ...................................................................... U. S. Indian Service, Poplar, Montana
Robinson, Richard A., '40 .................................................................... 528 7th Ave., San Bruno, California
Robinson, Robert Henry, '41 ............................................................. Snake River, Yellowstone National Park
Rochon, Stanley Charles, '42 ................................................................. Address Unknown
Roemer, Alman A., '27 ...................................................................... USFS, Big Timber, Montana
Rooffler, Hans, '36 ........................................................................... c/o Coeur d’Alene National Forest, Coeur d’Alene, Idaho
Rodgers, Donald E., '48 ...................................................................... School of Forestry, Montana State University, Missoula, Montana
Rooke, George, '36 ........................................................................... c/o USFS, Quincy, California
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Rubottom, Carter V., '27 ...............................................................................................................................o/o USFS, Livingston, Montana
Rudolph, Rosser, '30 ...............................................................................................................................Bureau of Indian Affairs, Washington 25, D. C.
Running, Morris, ex. '32 ...............................................................................................................................Deced 1946
Russell, Harold, '26 .......................................................................................................................................Box 1124, Malta, Montana
Sadasuk, Jacob Jack, '31 ...............................................................................................................................Address Unknown
Saltman, Joe, '48 ............................................................................................................................................758 Eddy Ave., Missoula, Montana
Sanders, Shields B. ........................................................................................................................................State Highway Dept., Miles City, Montana
Sanderson, J. Everett, '45 ...............................................................................................................................Magee Ranger Station, Coeur d' Alene Natl. Forest, Coeur d' Alene, Idaho
Sandvig, Earl D., '23 .......................................................................................................................................1681 Quebec, Denver, Colorado
Schaeffer, Jack L., '42 .......................................................................................................................................Helger, Montana
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Schultz, Ronald Rupert, '43 .......................................................... c/o USFS, Sheridan, Montana
Schwan, Herbert .......................................................... 2390 Fairfax St., Denver, Colorado
Seidensticker, Sylvester, '39 .......................................................... Twin Bridges, Montana
Shaffner, Walter F., '41 .......................................................... Deceased
Shank, Henry M., '49 .......................................................... 2566 Brinker Ave., Ogden, Utah
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Shelton, Jimmy, '39 .......................................................... Deceased
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Simpson, Charles, '49..................................................................................Box 359, Westwood, Lossee County, California
Smith, DeWilton, '47..................................................................................Priest River Exp. Station, Priest River, Idaho
Smith, Howard S., '31..................................................................................Address Unknown
Smith, Thomas E.........................................................................................USFS, Hamilton, Montana
Sparks, Earl, '37.........................................................................................Address Unknown
Sparrow, Orville, '37..................................................................................Box 127, Wisdom, Montana
Spaulding, Alfred E., '32.............................................................................645 E. 1st, Colville, Washington
Spaulding, Clarence K., '28...........................................................................Forest Supervisor, Gainesville, Georgia
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Stephenson, Albert Dale, '35.................................................................................. Standing Rock Indian Agency, Fort Yates, North Dakota
Stevens, Terrill D., '36 ...................................................... Head Dept. of Forestry, Alabama Polytechnic Institute, Auburn, Alabama
Stillings, Warren H., '32 ......................................................................................... c/o USFS, Butte, Montana
Stoebe, Robert S., '38 ............................................................................................. Box 971, Buffalo, Wyoming
Stover, John C., '48 .................................................................................................. 1230 Vine Street, Missoula, Montana
Stratton, Homer W., '49 .......................................................................................... 1025 Phillips St., Missoula, Montana
Streed, Harris A. (Casey), '47 .................................................................................. 615 Winchester, Glendale 1, California
Street, James E., '47 .................................................................................................. 1225 E. 9th St., Berkeley 2, California
Strubeck, Earl, '38 .................................................................................................. Home: Plentywood, Montana
Sundall, Walter H., '41 ............................................................................................ c/o USFS, Ennis, Montana
Sutcliffe, Clarence B. ................................................................................................c/o USFS, Thompson Falls, Montana
Swearingin, T. G., '20 .............................................................................................. Maintenance Engineer, State University of Montana, Missoula
Skyes, James Thornburn, '46 ................................................................................c/o USFS, Pactola, South Dakota
Tennant, Earl C., '27 ................................................................................................c/o USFS, Thompson Falls, Montana
Tennant, Raymond, '26 .......................................................................................... c/o USFS, Dillon, Montana
Thielen, Charles A., '41 .......................................................................................... 1114 2nd St., Crescent City, California
Thieme, Fred E., '12 .................................................................................................. 403 Evans Ave., Missoula, Montana
Thompson, John B., '26 ......................................................................................... Bonners Ferry, Idaho
Trooper, Thurman Howard, '41 ............................................................................... c/o USFS, Libby, Montana
Trooper, William ...................................................................................................... Address Unknown
Tucker, David M., '31 ................................................................................................c/o USFS, San Bernardino, California
Turley, Royal, Bat, '36 ............................................................................................ Ennis, Montana
Umland, Elmer Ray, '42 .......................................................................................... SCS, Fessenden, North Dakota
Underwood, Hubert E., '40 .................................................................................... Address Unknown
Valderrama, Felipe, '22 .......................................................................................... Address Unknown
Van Bramer, Glenn, '46 (Degree granted posthumously) ........................................ District Forester, Montmartre
Van Meter, Thomas, '26 ......................................................................................... c/o USFS, Ogden, Utah
Van Winkle, Harry H., '27 ....................................................................................... Address Unknown
Varney, Richard, '36 .............................................................................................. Chief, Forestry Section, H.Q. Ryukyus Command, 8115 Service Dept., APO 331, San Francisco, California
Venrick, John W., '42 ............................................................................................. Lincoln Ranger Sta., Helena National Forest, Lincoln, Montana
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