



# Forestry Kaimin



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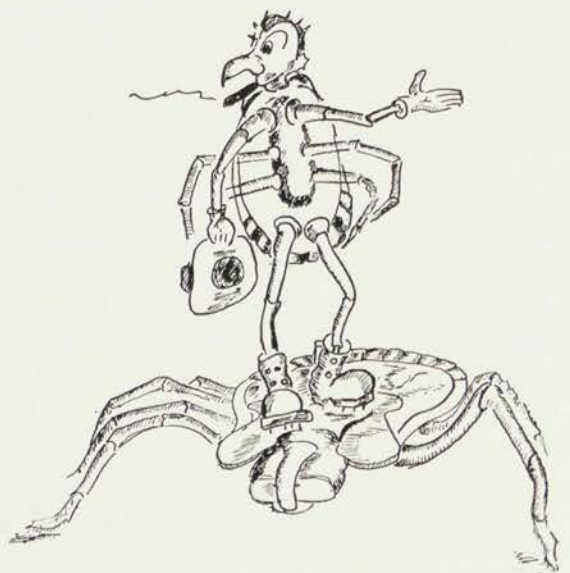
1952



*The*

# WOOD TICKS

*Present . . .*





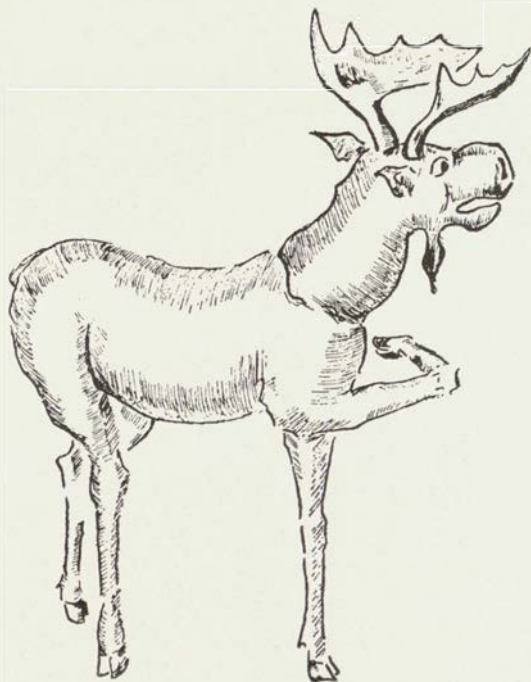
*The*

1 9 5 2

F O R E S T R Y

K A I M I N





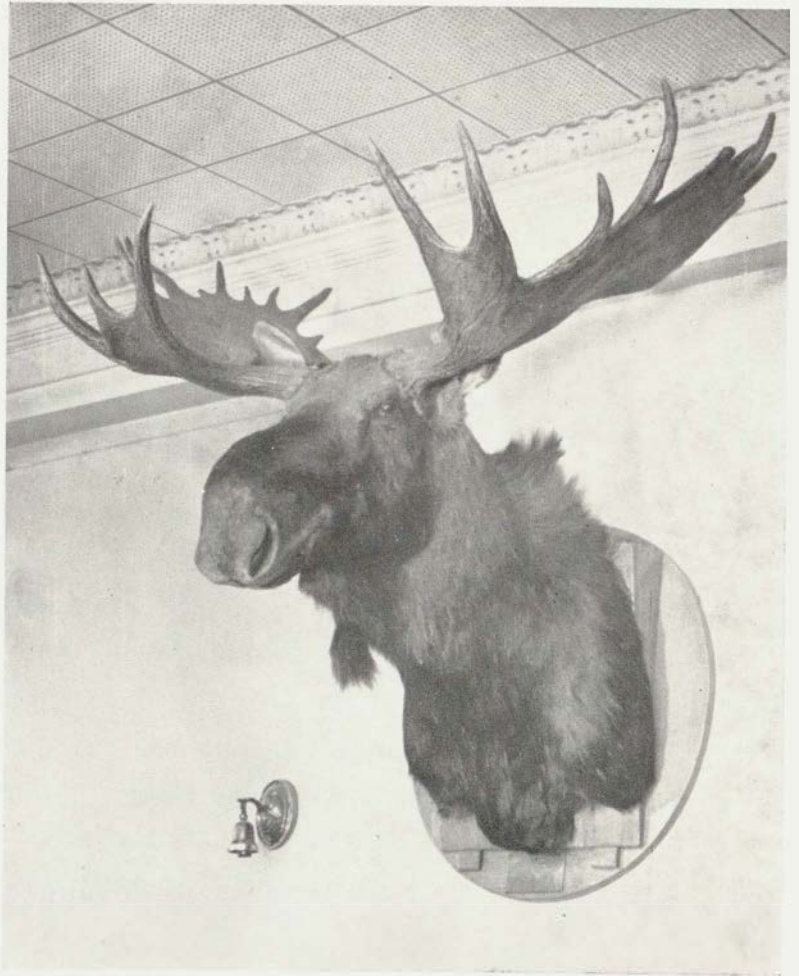
## *Oath to Bertha*

"We solemnly pledge our eternal, fraternal, infernal loyalty to Bertha and to the principles for which she stands. That regal head represents nobility of purpose. Her eyes represent honesty; those horns are courage in the face of disaster. Her prominent, protruding proboscis is a constant reminder of what we shall keep out of other people's business. We, as Forestry Club members take this oath in all sincerity . . . Heil Bertha."

## *History*

"Bertha" was presented to the forestry school by George Merck through Dr. C. A. Schenck. It was at the time the record moose head in the United States. The prized head has been in the clubroom, with the exception of 1945 when it was taken to Stevensville by lawyers. It was returned, only after a short stay in the journalism school, to the foresters. In 1949 it was taken down and sent away to be repaired and rejuvenated from the old age and rough handling over the years. Now it rests again on the wall of the forestry clubroom.





## *In Dedication*

America's grandest big game animal is the moose. The once record head of the prized species, the regal head who watches the mighty band of foresters and who reminds them of the highest principles for which she stands is BERTHA.

For it is not just Bertha, it is the famous BERTHA, the only "female" moose with horns — of distinction, and courage. Her bright and flashing eyes which reflect the devotion and honesty, knowledge and ability of the mightiest of the species, the foresters. That large, prominent, protruding proboscis reminding us to keep to the grindstone and not in other peoples business. Those mighty whiskers, the pride, joy and envy of all, especially when Paul Bunyan comes to town.

To the outstanding "female," who keeps a watchful vigilance over the mighty band of foresters, to the great BERTHA, we humbly dedicate the 1952 Forestry Kaimin.

## *A Woodsman's Prayer*

Let me breathe the clean pure air  
That blows only in the wilder places  
Send me far from the tainted cities  
Packed tight with mongrel races.

Let me quench my thirst  
In pure crystalline springs  
That bubble from the living rock  
Shadowed only by an eagle's wings.

Let me follow the untrod trail  
Roaming freely till the end of my days  
And watch the dusty red sun  
Set the heavens and mountains ablaze.

Let me, alone, eager and forever,  
Follow and fight the naked wild  
And when I die, mark me down  
For what I am — Nature's Child.

— Silas R. Thompson

*Faculty*



*Seniors*

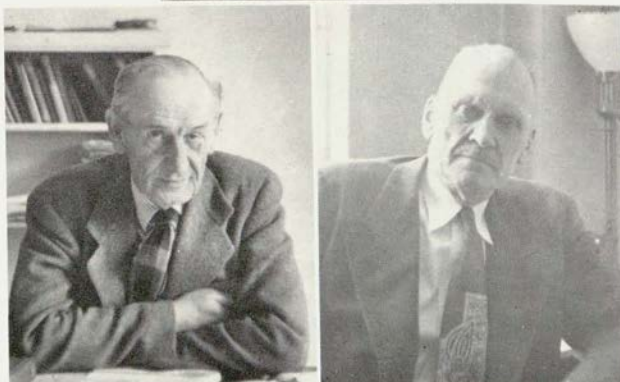


# Faculty



**WILLIAMS, ROSS A.**

Survey of Forestry  
Farm forestry  
Research methods



**SPAULDING, TOM C.**

Forest economics  
Utilization  
Fire control  
Forest policy

**CLARK, FAY G.**

Measurements  
Valuation  
Forest recreation  
Forest appraisals

**WATERS, CHARLES W.**

Dendrology  
Silvics  
Seeding and planting  
Forest pathology  
Wood technology

**MORRIS, MELVIN S.**

Range management  
Wildlife management  
Big game management  
Regional range management  
Range forage plants



**BRUNS, PAUL E.**

Logging  
Forest management  
Regional silviculture  
Silviculture  
Soils

**MOORE, KENNETH E.**

Surveying  
Mapping  
Watershed management



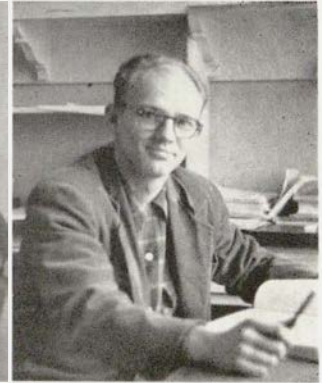
# Faculty

FAUROT, JAMES

Timber mechanics  
Forest engineering

LEIDING, CALVIN A.

Dendrology  
Soils



WALBRIDGE, THOMAS A., JR.

Sans photo  
On leave of absence  
to do graduate work

WALDO, CULLEN

Aerial photo interpretation



CHEATUM, E. L.

Wildlife technology

PATTON, O. M.

Extension forester



CECH, FRANKLIN

Nurseryman

SHELDON, LYNN

School forest





## Office Staff

MISS BETTY RANGLES

MISS HELEN HAYES

CLIFF EVANS

Janitor

MISS HELEN ETTINGER

Librarian



## Masters

DANNY ON

THEODORE W. NAVRATIL

2, 3, 5-triphenyl tetrazolium chloride as a viability indicator of certain coniferous seeds.

2, 3, 5-triphenyl tetrazolium chloride has been successfully used as an indicator of viability in a number of different seeds, but little has been done with seeds of conifers. The purpose of this study is to find if this chemical can be used with coniferous seeds. Tetrazolium chloride in a 1 per cent water solution is colorless. Actively respiring seeds put into this solution turn red. Dead tissues remain unstained. Theoretically, after being soaked overnight and immersed for a few hours in a tetrazolium solution, viable seeds can be readily separated from non-viable seeds by their color. In practice, this is not so easily done. Some seeds stain completely and some do not stain at all. They are apparently viable or non-viable. The biggest problem



Ponderosa Pine vs. Douglas Fir Reproduction on the Cut-Over Lands of the Lubrecht Experiment Forest in Montana

Douglas fir reproduction has appeared in greater numbers than Ponderosa pine reproduction following logging on all aspects and slope

gradients within the Lubrecht Forest.

A closer examination indicates that while fewer milacres are stocked to the economically desired species (Ponderosa pine), this species nevertheless expresses a greater percentage of dominance on easterly and southerly aspects than the more tolerant Douglas fir. Even on these aspects Douglas fir reproduction establishes itself initially in greater numbers than pine. However, because of factors which appear to favor the growth of the intolerant pine and produce poorer vigor in Douglas fir, much of the fir is quickly overtopped by pine on these aspects.

(Continued on Page 52)



# Seniors



## JOHN LEVI AILPORT

John is a forest management major, married and has one son. He has participated in the Forestry Club for 5 years, Druids 1 year. Freshman track, and the M Club tournament. He has also worked on the Ball for 5 years as wood butcher, on bunyan's bar, rangers dream, and as senior advisor on the doorway. He worked at Bonita ranger station for 3 seasons as lookout and 1 season as headquarters guard and 2 seasons as a blacksmith here in Missoula.



## PATRICK H. BARDEN

Pat was a member of Phi Sigma Kappa for 2 years, Druids 2 years, and Forestry Club 5 years. He was program chairman for the club 1 year and Kaimin editor for 1951. He has worked on the Ball for 5 years, as assistant chairman, chairman of gym decorations and chairman of transportation. He is a forest management major and is also married. He has worked 1 season as lookout, 1 as fire control aid and 4 as research aid at the NRM Forest and Range Experiment Station.



## GERALD L. BRAMMER

A forest management major, Jerry is married and has one son. He has spent 3 seasons at Kingston Ranger Station in the Coeur d'Alene National Forest, on the maintenance crews and as a fire prevention guard. Jerry has worked on the Ball for 4 years and was active in the Forestry Club his first 2 years.



## ALAN COATES

Al is a range major from Casper, Wyo. He was a member of the Forestry Club his first three years and a member of the Ski Club his first two years at MSU. During the summers of 1949, 1950 he worked on the Helena National Forest, and in 1951 at Rawlins, Wyo., for the Bureau of Land Management.



## PAT COUVILLON

Pat, a wildlife management major from Missoula, attended the Univ. of Wisconsin in 1946-1948. Pat worked for the Forest Service during the 1949-1950 summers. In 1951 he worked for the Hubner Construction Co. line clearing around Missoula.







#### JAMES D. CROSSEN

Jim has been here for three years, and is also a forest management major. He has been a member of the Forestry Club for two years and has acted on the ticket committee and as advisor for the dining room for the Ball. He has spent three seasons on the Siskilau National Forest in Oregon on lookout, suppression crew and general FCA. One other season he was dispatcher for Fox Pontiac Agency in Pasadena, California.



#### DONALD W. CULLEN

After finding his way here from Winamac, Indiana, four years ago, Don has been active in campus activities. Theta Chi for four years and vice president this year. He has been in the Forestry Club for four years and Druids two years. He was assistant chief push for the Ball in 1951 and chief push in 1952. He worked one season at Kingston R.S., one for Intermountain Lumber Co., and one for Tree Farmers, Inc. and Fetscher Bros. Logging. His major is forest management.



#### MAX M. FRIZZELL

This man has worked for five seasons in Sequoia National Forest, Region 5, California. His duties were fire prevention and suppression, trails, communications, roads, recreation, erosion and campground maintenance. Max has also worked on the Ball for four years. Max is married and is a forest management major.



#### JOSEPH W. GASVODA

Joe is a forest management major, and has worked on the doorway decorations for the Ball.



#### FREDERICK L. GERLACH

Coming here from Versailles, Ohio, three years ago, Fred is also a forest management major. He is a member of Phi Sigma, Forestry Club, and has worked on the Ball for three years. He has spent four seasons with the USFS on the St. Joe National Forest.

While still new to the field of forestry, we staged a number of practical courses given on weekends, to become familiar with the various jobs we would encounter during summer work. Courses such as packing, trail and telephone line maintenance, care of tools and equipment. These courses did much to make us realize that forestry consisted of more than "Forestry."



Field silviculture is designed to bring the problems of the practicing silviculturist closer to the academic classroom.

All-day trips included a visit to Ranger Charles H. McDonald in the Bitterroot National Forest; to Ranger Harace Godfrey at the Seeley Lake Ranger Station of the Lolo Forest, and a trip to the Lick Creek cutting of 1096-11 with Arthur Roe and Tony Squillace of the Northern Rocky Mountain Forest and Range Experiment Station. Additional field work was centered on the Lubrecht Experimental Forest.



## WILLIAM K. GIBSON

One season at Seeley Lake R.S. as trail foreman, one at Superior R.S. as fire guard and one with the Forest Products Co. in Kalispell is Bill's record. He has also been a member of Theta Chi for four years and secretary this year. He was property manager and secretary for the Forestry Club during his four years as a member of the Club. He also belongs to Druids. He has worked as assistant chairman and chairman of the dining hall, and senior advisor for tree cutting for the Ball. Bill is a timber management major.



## ROBERT B. GRIFFES

Bob has been assistant treasurer and treasurer of the forestry club during his four years as a member. He has been in Druids for two years and is vice president of that organization. Scabbard and Blade and secretary one year, Alpha Tau Omega three years and its house manager one year. For the ball he has worked on the coat-room committee, assistant chairman of the bandstand and financial chairman for two years. Bob has the following experience: Lookout on the Kootenai, road location with the USFS, road location and skidding crew with J. Neils Lumber Co., choker setter for Crown-Zellerbach Corp., Cathlamet, Wash., and flood control surveys, NRM Exp. Sta.



## EDWARD J. GRYCZAN

A member of Scabbard and Blade, Royaleers and Forestry Club, Ed has come here from Cleveland, Ohio. A forest management major, he has worked at Troy R.S. for three seasons as lookout, on trail maintenance crew and district dispatcher.



## VERNON L. GUYER

Vern has been here for three years. He comes from Fargo, N. D. He has been active in the Forestry Club and the Ball for one year. His summer work was done for the USFS on the Cabinet and Flathead National Forests. He spent two seasons as lookout, two as maintenance foreman, one as station fireman, one as packer and one as scaler. Vern is a forest management major.



## LOUIS A. HAERTLE

Louis, a range major from Milwaukee, Wis., attended the U. of Wisconsin at Milwaukee in 1947-49. He has been a member of the Forestry Club three years and has worked on the Forestry Ball one year. Louis has also been a member of Phi Sigma for three years. Louis has worked as a seasonal ranger at Yellowstone N.P. in the summers of 1950-51.







### KENNETH C. HAFFLY

Ken, from Bonita, California, is a range major. He has attended San Diego Junior College in 1946-47, Farragut College, Idaho, 1947-48. He has been a Forestry Club member three years and worked on the Foresters' ball one year. In the summers of 1949-50-51 he worked on the Cleveland National Forest and in 1948 he worked on the Clearwater National Forest.



### HAROLD R. HOWARD, JR.

A members of Forestry Club for four years, Druids one year and Alpha Phi Omega, Mickey has been pretty busy. He also served on the music committee of the ball for three years. His summer work has been three seasons on the Spotted Bear District on trail work and lookout. Last summer he also acted as flunky in an ROTC camp. A forest management major, Mickey's home is in East Liverpool, Ohio.



### RICHARD J. KESTELL

Dick is also a timber management major. He has worked on the ball for four years. His summer work has been at the Bungalow Range Station on the Clearwater National Forest.



### JOHN J. KINCHELOE

John is a range major from Oklahoma City, Okla. He has been a member of the Forestry Club all his four years in school. He was chairman of the Bar Committee his junior year. John worked as a ranch hand on the Heinter Ranch at Greenough in the summers of 1949, 1950 and 1951.



### EMIL J. KULHANEK

This man is from Kewaunee, Wis., is married, and is a forest management major. He has been here for three years, and has worked on the bar and bandstand committees for the ball. Emil has worked one season for the Wisconsin Conservation Dept. as conservation warden, one season for the Wood Steel Corp. in the lumber yard and dry kiln, and one season for the ACM on general woods work.

Combined with paper work and theory, in such courses as timber mechanics, and logging engineering we worked in some visual education in the field. On our own school forest we practice sound forestry methods from stand improvement, selection cutting to logging, transport and milling.





A relatively new course in the forestry curriculum which combines many field trips with the lecture material. A trip was made to the Priest River Experiment Station to view hydrological and flood control studies. Other trips were made to Hungry Horse Dam and to Great Falls where we viewed the work of the Bureau of Reclamation and the Soil Conservation Service.



## RICHARD E. LEICHT

Dick is a range major from Baker, Montana. He was in the Forestry Club for four years, vice president his junior year, senior delegate and was on the athletic committee two years and also editor of the Alumni News Letter during his junior year. He was very active in the Forestry Ball four years, softball four years, basketball three years, bowling three years. Dick worked as a fire guard in Yellowstone Park in 1949 and 1950, and for the Bureau of Land Management at Miles City in 1951.



## DORIS P. LUCKMAN

Pete, the feminine contingent of the Forestry School, majored in forest management. In addition to her role as housewife and student, Doris found time to participate actively in many campus organizations and functions. She was treasurer of the Forestry Club for two years and vice president in her senior year. Doris had the food committee of the Foresters' Ball for four years. She was a member of the Druids for two years, holding the position of secretary in her second year. She spent her summers in the R. O.



## LLOYD WESLEY MORRISON

A forest management major, Wes is married and has two children. He has been a member of the Forestry Club for three years and worked on the athletic committee and Kaimin. He was a member of Druids for two years and was president one year. He has also worked on three Balls and has acted as chairman and advisor of the checkroom and chairman of the beard contest. He has worked with the USFS for four seasons as lookout, one as fire prevention aid, one as dispatcher and one as headquarters guard.



## FRED W. PRUSSING

Fred has been a member of the Forestry Club for four years, and played softball and basketball and serves on the athletic committee for the Club. He also worked on the Ball for three years. Fred is a forest management major, is married and has two children, and has worked as a smoke jumper for three seasons.



## JAMES RICHARD QUESENBERRY III

A married man with one child, Jim is from Miles City, Montana. He has worked two seasons on range research in Miles City, one season as a smokejumper and one season as a timber cruiser and choker setter for the J. Neils Lumber Co. Jim is a forest management major.







### DALE LESTER ROBINSON

This man has worked on five Balls and was publicity chairman for one. He was a member of the Forestry Club for five years and a Kaimin editor for 1950. He was also a member of Druids for two years and vice president in 1950. Dale is a married man with one son and is a forest management major. Dale has been a maintenance crewman for one season, a lookout for two and a dispatcher for three.



### KENNETH RODGERS

Hailing from Great Falls, Montana, Ken is a range major. He attended Washington State College in 1947-48. Ken belongs to the Phi Kappa and was in the Forestry Club for one year. Ken has been active in Forestry Club football, softball and track. He is also a member of the Newman Club. Ken has worked for the Forest Service during the summer of 1946 through 1951.



### LYLE R. SHOEMAKER

Lyle is a range major hailing from Portsmouth, Ohio. He has been a member of Phi Sigma for two years and also secretary-treasurer. Lyle has played basketball in his senior year and softball in his junior year for the Forestry Club. He attended Ohio State University in 1946-47-48. During the summers of 1948 and 1949 he worked on a ranch in Denton, Montana, 1950-51, Headquarters Guard, Beaverhead National Forest, Dillon, Montana.



### GEORGE A. STOKES

George has been a member of the Forestry Club, Veterans Housing committee, and a prefab proctor. He has worked on the dining room and chow committees for the Ball. He has worked for the Bureau of Public Roads for two seasons and worked on the campus for another season.



### KENNETH EDWARD UNGAR

Working one season at the Lolo R. S., and at the Montana Timber Co. and also at the School Forest, Ken is a married man who hails from New York, N. Y. He has worked on the Ball for three years on gym decorations, and as chairman and advisor for the exhibition room. He has been a member of the Forestry Club for three years and was in charge of the Practical Courses in the spring of 1951. Ken also has belonged to Druids for two years and is a forest management major.

Many of us, during our summers, received a lot of good experience and a chance to see how private industry operates in the field. There was work in road building, timber marking, scaling and transportation. All of which helped to give us a chance to apply the technical to the practical.





In federal forestry there were jobs in fire control, from detection to suppression, which gave us an insight into the values of our forests and the protection practices employed to keep losses to a minimum.



### CHARLES JASON WATERMAN

A forest management major who has belonged to Phi Sigma and Kappa Tau, Chuck has come here from Bethesda, Md. His summer work consists of two seasons on Blister Rust control, one season as lookout, one season as a smokejumper and three seasons as forest assistant at the St. Paul and Tacoma Lumber Co., Tacoma, Washington.



### BRUCE V. WATSON

A range major from Yellowstone Park, Wyo., Bruce was very active in the Forestry Club for four years. He was photo editor of the Forestry Kaimin his junior year and worked on the Ball four years. Bruce was on the Forestry Club bowling team his junior year. Bruce worked as a fire guard in 1948-49-50 in Yellowstone Park. In 1951 he was a headquarters guard at Helena, Montana.



### EARL FREDERICK WESTMAN, JR.

Another married man in this year's class, Fred comes from Wichita, Kan. Fred has worked one season at Yellowstone National Park, two seasons at Glacier National Park on trail maintenance and another two seasons there as seasonal ranger. He has worked on the Balls and was prize chairman in 1952, and was a member of the Forestry Club for one year.



### EDWARD C. WYLDMAN

Ed hails from across the border, Calgary, Alberta, Canada. He is a range major. In the summer of 1949 Ed worked for a natural gas company, Turner Valley, Alberta. In the summer of 1950 and also 1951 he worked for the Eastern Rockies Forest Conservation Board in Alberta as a range examiner.



### *Sans Photo*

HARRY LINLAYSON

DEAN R. JOHNSON

ROMAN PFEFFER

WILLIAM J. GAMBS

ROBERT E. LAMLEY

KENNETH F. VANDERWALL

# *Foresters' Ball*

## *Summer Work*



## Articles

### Forestry Club

