

The background of the entire page is a detailed, grayscale image of a wood grain. The grain runs vertically, with various patterns of lines and knots visible. The texture is natural and organic, providing a rustic feel to the cover.

THE ANNUAL CRUISE

1939

THE ANNUAL CRUISE

Published by the Forestry Club
Oregon State College
Corvallis, Oregon



Commemorating
the Silver Jubilee of the
School of Forestry

Volume XX
1939



DEDICATION

The Forestry Club students of the Oregon State College School of Forestry wish to dedicate Volume XX of the Annual Cruise to 25 years of outstanding progress and achievement in forestry education—to the Silver Jubilee of the School. We recognize the value of the ideals set so high by the present faculty which has made this achievement possible. The students of the present need only the achievements of the graduates of the past for a goal towards which to strive.

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The Great American Paradise

By Julian Lee Rayford

I

CONCERNING PAUL INTIMATELY

Paul dint look like a man but like a god.
Fact is, one day he poked his head into Heaven one day,
and God he said "Hello, Thor,"
cause he thot Paul was one a them Skywegian gods.
Paul he'd think so much, he'd git to meditating
his brain it would hum out loud,
humming like a dynamo!
ticking like a clock!
a hum a hum a hum!
a tick a tock a tock!

Paul's beard and his mustache they was pitch black,
and they come to pints like daggers,
and his eyebrows they reacht back to his years.
And his eyes they was like seeing the Moon twice at one time.
And Paul's nose it lookt as long
as from Salt Lake City all the way to Chattanooga,
that nose were sharp as a battleship's prow.
And he certny knowed how to dress.
He weared corduroy pants they was blue and white stripes.
He weared a wool shirt orange blue and black checks.
He weared black boots and red socks
and he weared a pea green sash.
That shirt that he wore the wool was so scratchy
it would a killt one a them Hindu nail sitters,
but it was the same as silk to Paul Bunyan,
cause he worn it so long he got acclimated to it.
When Paul liked a thing he wore it for life,
hell, when a man does things the gigantic scale
Paul done 'em on he aint the time
to be changing shirts every day.
Paul was a strange looking man,
when he passed you on the street
you'd look at him maybe fifteen times.
God a'mighty! you'd look a lot at any human man
if he was bigger'n the Washington Monument!

—Courtesy Esquire

THE SCHOOL

EVOLUTION OF SCHOOL POLICIES

By Gene Hofsted

The past generation has seen many new and radical changes in the field of education. Forestry in America is a new science, and its evolution at Oregon State College is more or less typical of the nation. Fundamentally, the policies of the early years of the School's existence are little changed; and the far seeing aims of that day still fit the needs of the forest industry. However, the minor changes that have been brought about through the experience of the past quarter century have "sanded down" the rough and tough forester of 1910 to the efficient, green-clad ranger of the present. The first courses taught by factual and formula instruction have given way to a broadened view of practical application with psychology as a dominant item of advanced courses.

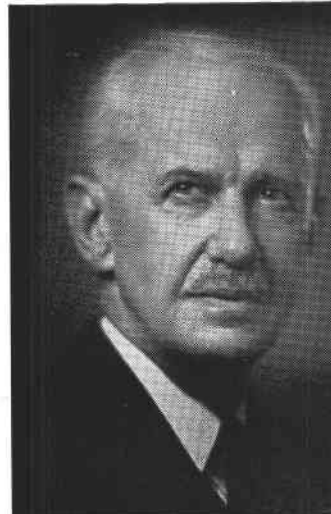
Since, as the "Prof." expressed it, "Facts are things of which thoughts are made," it becomes necessary for a forester to have not only the facts but also the ability to use them. The School emphasizes this, develops the individual to a well rounded forester, rather than making a mere researcher of him.

With the increasing enrollment the practice has changed from individual instruction to more cooperative training which makes each man an integral part of the program. The School has been fortunate in receiving large tracts of land on which to successfully maintain actual conditions as they are encountered in the field for the practical instruction of the students.

More professional curricula have been developed through the help of an alumni advisory committee, who have, through observations and experiences, determined the needs of the forester in the field.

Thus, with a heritage of experience the Oregon State School of Forestry, second largest in the United States, continues to produce truly practical foresters.

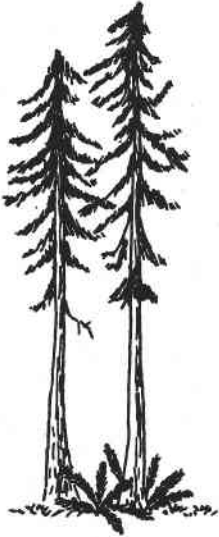
GEORGE W. PEAVY, President of Oregon State College, Dean of the School of Forestry; B.S. '95, M.S.F. '05, Sc.D. '36 (all at University of Michigan); LL.D. (Willamette '37).





EARL G. MASON, B.S.F. '20, M.F. (Yale) '23, Assistant to the Dean, Professor of Forestry.

"Mase" got a good start as the first editor of the Annual Cruise and National Forester of Xi Sigma Pi. In the field he has worked as a Junior Forester in Region 2 on timber surveys and an office manager of a box factory. He believes that the student should set the maximum of effort to put on a course; and to allow students to get all they want out of college, he suggests a five year curriculum. Students have always felt free to come in and talk with him. He is responsive to bullfest and "gripe" alike. He keeps his door open and an extra chair handy at all times.



BACKGROUND OF THE SCHOOL OF FORESTRY

Gene Hofsted

Forestry in the State College began during the boom year of 1908, in the School of Agriculture under the able guidance of its first professor, George W. Peavy. The first degree course offered in general forestry included such varied but periodically essential courses as ancient history, blacksmith shop, veterinary medicine, and foreign language. Also included in this early organization was a two year practical course formulated for men working in the field who could only attend a short winter session.

In 1912 the department had enlarged to such an extent that two men were needed to teach the course, and Instructor Newins was added to the faculty rolls.

The School of Forestry was established in 1913 with Professor Peavy as Dean of the School. In this year

C. J. BUDELAER, B.S., '17, Instructor in Logging Engineering.

"Bude" believes in practical things and bases his teaching methods on many years of practical field experience. He has been on the O.S.C. staff since 1935. He spends his summers teaching Eastern students how engineering is done in the West.



ROBERT M. EVENDEN, B.S.L.M. '31, M.S.F. '32,
Assistant Professor of Wood Products.

"Bob" spent five and one-half years after graduation in the Idaho pine country in dry kiln research, production analysis, and personnel control. His two pet hobbies are photography and handball, and lately he has become an authority on appendectomies.



the curricula were augmented with a second complete course leading to a Bachelor's Degree in Logging Engineering.

The Logging Engineer Degree was offered when the railroad presented a need to the lumber industry for men who knew forestry and had sufficient engineering training to supplement it in the field. In recent years truck and "cat" logging have been introduced, to still further broaden the field of the logging engineer.

In 1914 the 2 year course was dropped from the regular curricula; Instructor Newins became an Assistant Professor; and Instructor Conover, a graduate of the University of Michigan, was admitted to the faculty. During the same year a number of men in the forestry industry were brought to the School to give lectures in the various forestry courses, much as the present seminar courses are conducted. The next year, 1915, the same teaching procedure was continued; but juniors and seniors were allowed a wider range of electives in their courses.



RICHARD S. KEARNS, B.S.F. '30, M.S.F. '31, As-
stant Professor of Forestry.

"Dick" spent some time with the Young's Bay Lumber Company, was then employed at the Pacific Northwest Forest Experiment Station. For a time he alternated between teaching at O.S.C. and working at the station, beginning teaching on a full time basis in 1935. His training has provided a rich background for his teachings in forest management and mensuration.



CHARLES LORD, B.S.F. '36, M.S.F. '38, Instructor in Forestry.

"Charlie" has spent twelve years with the Forest Service on forest protection, and road and trail construction work. Thus he is well prepared for his classes in forest protection and general forestry. In his spare time he works on the solutions of silvicultural problems in the Douglas fir region.



In 1916 John Van Orsdel, a former student of O.S.C. and lecturer employed by the Portland Lumber Co., left his position to become Professor of Logging Engineering. In that year the value of a foreign language to foresters in the field seemed to have dwindled, and it was dropped from the regular requirements.

In 1917 logging had increased to such an extent in the Northwest that a course leading to an advanced degree seemed necessary and a five year course was introduced, culminating in the Degree of Logging Engineer. Also an advisory committee of forestry alumni was organized to aid the school in the selection of study courses more applicable in the field.

Instructor Conover resigned in 1918 to work with the Forest Service. Mr. Conover is now Asst. Supervisor of the Snoqualmie National Forest. During the war period the faculty was narrowed down to the Dean alone; in 1919 Ed Buol became an instructor under Van Orsdel. In 1920 Associate Professor Newins returned to the

WILLIAM F. McCULLOCH, B.A. (University of British Columbia) '25, M.S. (New York State College of Forestry) '36, Assistant Professor of Forestry.

"Mac" was at the University of Washington and on the faculty of New York and Michigan State before coming to O.S.C. in 1937. He has been cruiser, ranger, chief of party, director of a forest experiment station, skipper of a Forest Service launch in Alaska, builder and railroader. His knowledge of Silviculture is surpassed only by his ability to lead a lusty song.



HARRY I. NETTLETON, B.S.F. '21, M.S.F. (Idaho) '28, Assistant Professor of Forestry.

Harry is well backed by six years experience with the Apache, Klamath, and Navajos under the Indian Service and the Forest Service plus work in private industry. His courses in forest mensuration are punctuated by timely stories of his wood's work which, while they are sometimes a little tall, help us to swallow "mense".



faculty and a few minor changes were made in the courses. During the war time era, the three term year was instituted to suffice the needs of the emergency situation; and having proved satisfactory, the three term year has continued to the present day. Another change of that year was the unification of the first two years in all branches of forestry to form a basic undergraduate curriculum.

In 1920 Henry Patterson, fresh from 10 years in the field, joined the staff. Harry Nettleton was added in 1922 after his graduation from O.S.C. In 1921 a graduate school was formed to give a Master of Science Degree in Forestry and also one in Logging Engineering. 1922 saw the addition of a Degree in Lumber Manufacture to the curricula of the School. Further advancement in this year included a more liberal choice of elective courses throughout the several curricula.

Instructor Newins and Professor Van Orsdel retired from the faculty in 1923, and Professor Starker was



HARRY R. PATTERSON, B.S., Professor of Logging Engineering, Head of the Department of Logging Engineering.

"Pat" was graduated from the University of Oregon in 1909 but lived to overcome that handicap, spent ten years in logging, and started teaching at O.A.C. in 1920. He keeps logging engineers knee-deep in road locations and bridge designs.



CLARENCE W. RICHEN, B.S.F. '35, Instructor in Forestry.

Clarence worked with the Pacific Northwest Forest Experiment Station before coming to O.S.C. in 1937 to teach mensuration and freshman engineering. He spends much of his spare time in Portland.



admitted to the rolls as an assistant. Mr. Newins went to work in dry kilns and then turned to teaching. He has recently been made head of the forestry school at the University of Florida. Mr. Van Orsdel formed a timber cruising consulting agency and later became camp superintendent in a C.C.C. camp. Mr. Patterson became Professor of Logging Engineering with Instructor Percy Melis, an O.S.C. graduate of 1924, as his assistant. This same year Earl Mason returned from graduate work at Yale, to become an Instructor in Technical Forestry.

In 1924 Harry Nettleton left the O.S.C. faculty to join the faculty of the University of Idaho as an instructor. While teaching at Idaho, he worked intermittently as a cruiser in eastern Oregon and Idaho. In 1925 T. J. Starker became Professor of Technical Forestry with Mason as his assistant. Melis left the faculty to enter the Forest Service in Region One, and he was replaced by Edwin Mowat who graduated from O.S.C. in 1924.

The Forestry School had developed such an exten-

THURMAN J. STARKER, B.S.F. '10, Professor of Forestry, Head of the Department of Technical Forestry.

"Prof" was in the first O.A.C. forestry class in 1910, spent several years with the Forest Service and private industry, and became a faculty member of O.A.C. in '22. He has been boosting Oregon Staters over the J.F. hurdles since that time.



HENRY J. VAUX, B.S. (Haverford College '33), M.S. (University of California) '36, Instructor in Forestry.

After completing three years of graduate work at the University of California, "Hank" was employed at the California Experiment Station. From there he went to the Crown-Willamette Paper Company for fourteen months before coming to O.S.C. in 1937. Now he conducts experiments on a money machine with which to confound the seniors in forest finance.



sive nursery in 1926 that it became necessary to hire a full time nurseryman, and Vern McDaniels received this position. He graduated from O.S.C. with a Master's Degree and worked for the State Forest Service for several years before taking charge of the Clark-McNary Nursery. In 1927 Instructor Mowat went back to Yale for an advanced degree and was replaced by Paul Thompson, a graduate of 1927. Mr. Mowat is now in the Ogden Experiment Station. In the same year William Baker, M.S.F. 1928, was added as Asst. Professor of Lumber Manufacture. In that year an administrative option was offered in lumber manufacture.

Instructor Thompson left in 1928 to become logging engineer for the Oregon American Lumber Company. In 1928 Fred Schreiner, B.S.L.E. 1927, and Lawrence Cummings, M.S.F. 1928, were admitted to the staff as Instructors in Logging Engineering. In the following year Childs, PhD. 1936, became the Asst. Professor of

(Continued on page 75)



GLENN VOORHIES, B.S.F., '29, M.S.F. '30, Instructor in Wood Products.

Glenn spent five years with the Forest Service, five and one-half years with the C. D. Johnson Lumber Company in charge of kiln seasoning, and two years at administrative research for the Long Bell Lumber Company. He specializes in answering technical problems sent in from the field when he isn't teaching his students about wood products.



Jacquemin, Mysteryman, and Schenk—
 Could they be looking at Waldo?
 The Club Cabin Schreiner Memorial
 Richen can smile, too

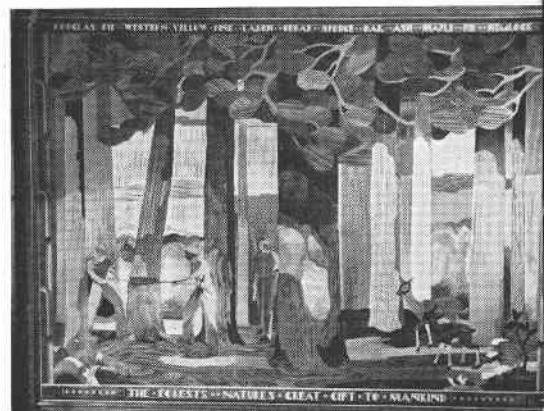
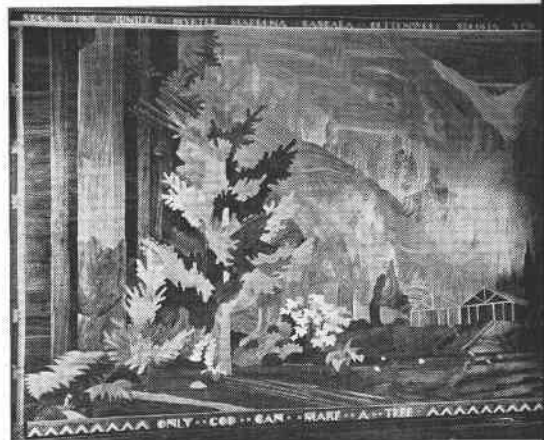
Tending to business Mason in 1917
 Xi Sigma Pi's Crab Cracking Session
 McConnell "trucks" Longwood didn't chop the wood
 Starker gets the lowdown



The Matériel

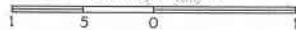
Labs - Nursery - Lands - Museum - Library - Dry Kiln

Wood Murals
in the
Entrance of the
Forestry Building

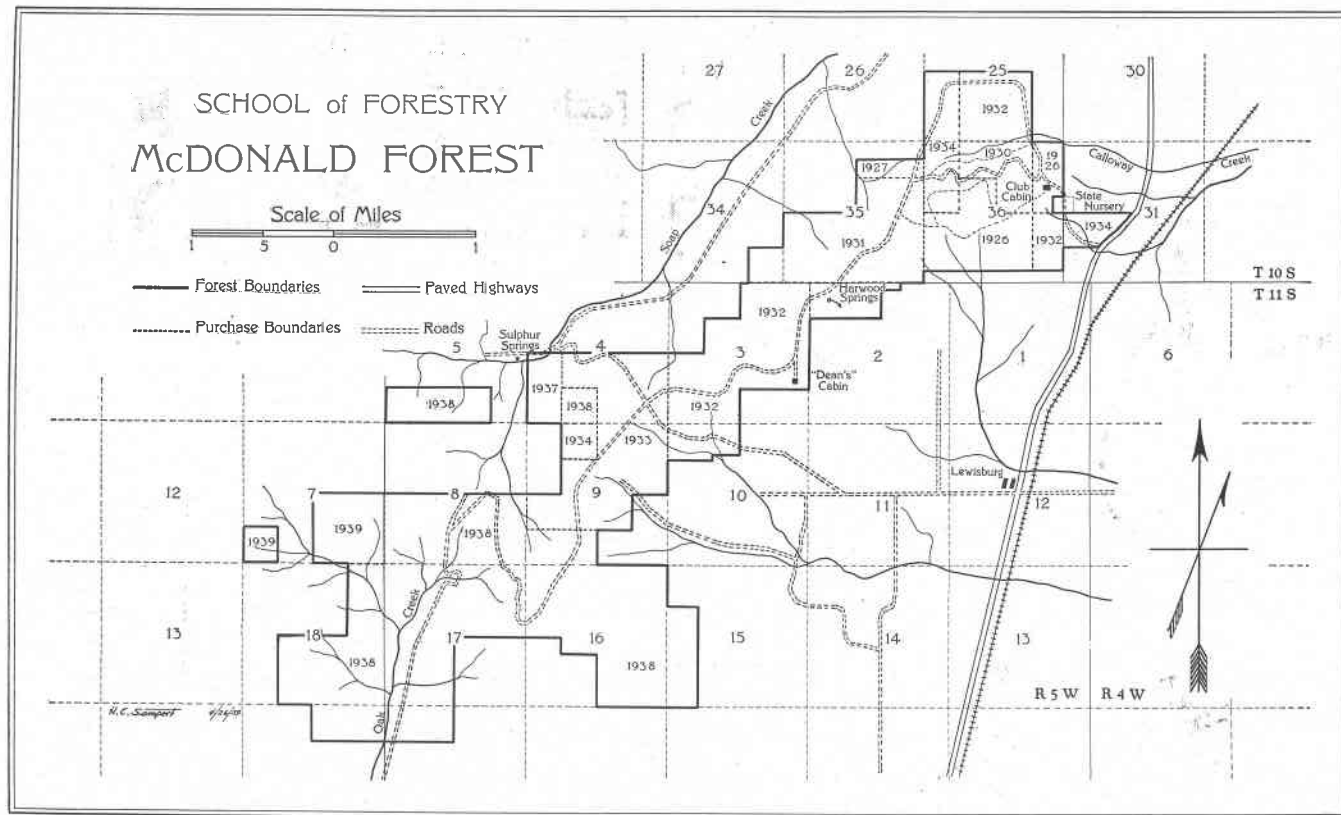


SCHOOL of FORESTRY
McDONALD FOREST

Scale of Miles



- Forest Boundaries
- Paved Highways
- Purchase Boundaries
- Roads



Field Laboratories

By Dan Robinson

AS the wail of the one-o'clock whistle fades in the damp afternoon air, a convoy of orange-colored trucks rolls out from the Forestry Building onto the highway. A late-comer clammers over the end gate of the last truck and plants his calked boots on the feet of unfortunate classmates and receives a prolific dissertation upon the awkwardness of certain fernhoppers.

The wind-proof trucks, new equipment, and three hour afternoon lab. periods are far removed from the first field trips of the Forestry School. Field work at one time consisted of a period of eight weeks during the summer "... devoted to field work at Camp Reserve, lumber camps, mills, and factories, in which all students take part." In 1910 three-week spring field trips in which students and faculty all took part became annual affairs. Endless days of rain, late evening exams, and long hours of field work relieved by evenings of hilarity and practical joking made the outing the most eventful of the foresters' school year.

The boys not only learned the technical phases of forestry but also obtained experience in planning and organizing camp crews and supplies. Transportation was furnished by army trucks. When the trucks reached the end of the road, the boys loaded three weeks' supply of grub and camp equipment on their backs and packed into the camp site. Tents were pitched in choice spots, and all made preparations for starting work the following day.

The days were filled with endless activity from the time Dean Peavy roared his, "R-O-L-L O-U-T," signal at 5:00 A. M., 'till the last tired "good-night," at 9:00 P.M. After an early breakfast of hotcakes and bacon,



Pond Scaling

the crews adjourned to the "slave market," as the office tent was called. Here crew members were assigned jobs according to classes. Freshmen acted as chainmen and recorders. Sophomores ran compass lines and assisted juniors in cruising and mapping. The senior men acted as crew captains directly responsible to the general supervisor.

Great times were had at these camps with wrestling, songs, and the inevitable kangaroo courts at night, when Dean Peavy annually had to perform his song and dance. History tells that on the way to Breitenbush Springs in the spring of 1915, Budelier, Fred Cronemiller, Patton, and the rest had an endurance marathon with the train engineer who said he wouldn't move the train until the boys got off the tops of the box cars. Patton hollered, "We can stay up here as long as you can stay in the cab." Two hours later the train moved off.

Taxis were used to get to labs, on Mary's Peak from 1920 until 1923 when the first truck was purchased. Every Saturday a cab, complete with

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The Oregon Forest Nursery

By John Halverson

THE production of forest tree seedlings for the farmers of Oregon to use in planting windbreaks, shelterbelts, and woodlands on a large scale at low cost was first made possible in 1924, when, by an Act of Congress, the Clarke-McNary law was passed. Under the provisions of this act the Oregon Forest Nursery was established as a cooperative project between the State Forestry Department and the United States Forest Service, with the State Forester acting as administrator. The primary objective of the nursery is to grow forest tree seedlings and distribute them to farmers of the state for the planting of shelterbelts, windbreaks and farm woodlots.

Increased public interest in forestry and conservation during the past several years has made necessary a rapid development of the nursery. New additions in recent years have increased the original size of ten and one-half acres to its present area of twelve and one-half acres. The present capacity of the nursery on the

ten acres which are under cultivation is approximately two and one-half million seedlings.

Nursery stock available at the present time includes those species which have proven most satisfactory in recent plantings by farmers for establishing windbreaks, shelterbelts, and farm woodlots. Species grown in eastern Oregon must be resistant to drought and other adverse climatic conditions; and the following trees are recommended for planting in this region: conifers and Douglas fir (grown from seed gathered in eastern Oregon or the Rocky Mountains), ponderosa pine, Scotch pine, Norway pine (for certain localities), and Austrian pine; hardwoods include black locust, Russian olive, Russian mulberry, Chinese elm, American elm, caragana, and Norway maple.

In western Oregon best results have been obtained from planting native species. Included in this region are some of the fastest growing and finest commercial trees grown any-

(Continued on page 65)



Cronemiller Lake—The Nursery Reservoir

Our Forests and Equipment

By Roy Brady

THE Forestry School at Oregon State College is moving forward! It is acquiring new land, new equipment, and is using its buildings beyond capacity. The institution is not the same as it used to be.

When some of you were here, there was no McDonald Forest. In those days you practiced your engineering, silviculture, and mensuration wherever the instructor decided or had obtained permission for you to do so. Now, we have the McDonald Forest, only 7 miles from the School, on which the future foresters may do their field work, a forest that is growing in size as well as in timber volume. Some 1200 or more acres were added this last year to bring the total acreage to 4670 within the forest, in addition to 181 acres in the Peavy Arboretum.

The School also owns 2440 acres of cut-over land near Blodget in Columbia County, 640 acres of timber near Prospect in Southern Oregon, and 160 acres of cut-over and second-growth timber on Mary's Peak. Furthermore, there are rights from the State Forester for the School to use the Elliott Forest, and a cooperative

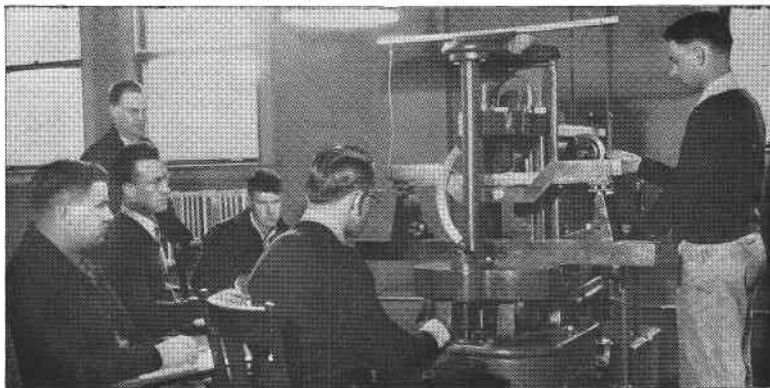
agreement between the School and the United States Forest Service for use of the Rock Creek Watershed.

A hundred or more embryo foresters may be found on the McDonald Forest each day of the week — the rooks and sophomores in forest engineering, sophomores also in mensuration, the logging engineering students with their earthwork and railroad curves, and the juniors in silviculture, to say nothing of the many N.Y.A. workers. This arrangement is very advantageous to those taking these courses as it permits the students ample opportunity to "learn by doing."

Furthermore, this acquisition of lands may prove of value to those who desire to study forest management. The McDonald Forest is growing so that before long a management plan may be necessary. Can you think of a better place to evolve a management plan than at the old School?

We are progressing in other ways, too. Some of you will remember the time when you obtained your instruments from "Mase", when he had them in a cabinet in his office. Per-

(Continued on page 66)



A Class Measuring Bending Strength of Wood

Forestry Museum

By Stanley May

Such curios as a wooden safe, a piece of veneer from the "Winnie Mae" flown around the world by Wiley Post, a section of pine tree showing spiralled welts that ran the full length of the tree, an ancient Indian ball-game in which the loser gave his head, these and hundreds of other interesting and unusual wooden objects have been contributed by instructors, students, and other interested foresters to the Forestry School's museum.

Several years ago things began to accumulate in the various rooms, corners, and halls; and it wasn't until 1935 that these articles were assembled together in Room 310. This was the beginning of the Forestry Museum. Since then, the contributions have been so numerous that many of them are collecting in the corners again.

One of our outstanding exhibits is the collection of American finished woods mounted on panels almost circling the entire upper floor.

The show case just in front of the museum, containing a good representation of mammals both injurious and beneficial to the forests, also has a fine collection of burls of many trees contributed by Herbert Yocum last April.

Oliver Mathews of Salem, Oregon has sent in another fine collection of woods from out of way places to be added to his already extensive contributions. Mr. Mathews leads all contributors to the museum.

While Prof. C. J. Budelier was at Syracuse Camp last summer, he found a telephone insulator pin that had been eaten up to the glass by a porcupine and preserved the remains for the museum.

Sam Taylor contributed a mass of
(Continued on page 67)

Paul Bunyan's Poker Chip

By T. J. Starker

As silviculturists, we never hope to raise trees like they are logging now in some of the better old growth yellow fir stands. However, we should keep in mind a few good examples of these old giants.

In order to have a specimen always available on which to hoist our sights, a cross section of a 14 foot Douglas fir was secured from the Crown-Willamette Pulp and Paper Company, through the courtesy of Ed Stamm of their logging department. This 750 year old monarch was cut on the City of Astoria's watershed. The butt log contained 10 M board feet and was so heavy that it broke the skyline and snarled up the operation.

The City of Astoria had planned on taking the entire log to that city for exhibition purposes; but because of load limit laws, only about ten feet were secured. This section now reposes near the Astor Column in Astoria.

The next 18 inches was cut off and trucked to Corvallis on Memorial Day, 1938, by Profs. McCulloch, Vaux, and Starker and students Elmgren, Tower, and Starker.

The section laid in the basement until the Museum committee banded it, hoisted it into position, dressed up its face, and ornamented it with dated arrows.

The students who were largely responsible for this museum piece assembly were Dale Burns, Angus Ware, Bruce Starker and Don O'Brien.

A wafer from a "giant" of the McDonald forest has been placed in front of the Astoria wafer for display purposes. This was cut from a really large tree, being over 300 years old and five feet in diameter, but appears to be merely "second growth" alongside the Astoria section.

The Forestry School Library

—By Don Hyland

C LAYTON WEAVER will be gratified to know that the Forestry School library which he organized in 1937 is receiving intensive use. There has been a splendid growth and improvement in the library, also; and the person who has given generously of his time to make this so is Prof. "Mac" McCulloch.

"Mac" has introduced a system of classification known as the General Classification of Forest Literature, which is used by the United States Forest Service. This makes it possible to find any publication on any subject readily. As an additional aid to speed in obtaining information, the card index has been completely overhauled and brought up to date; and catalogue numbers and subject heads have been posted on the shelves. New magazine racks have been added to care for the growing list of periodicals received. A file for pamphlets of looseleaf material not easily put on the shelves has been started. All pamphlets or papers of like subject matter have been bound or collected and put in containers on the shelf so that they may be easily found.

Material comes from the state forest agencies of the United States, federal forest and range experiment stations, state agricultural experiment stations, as well as the Western Pine Association, Southern Pine Association, West Coast Lumberman, Timberman, and others. Other governmental agencies such as the Bureau of Entomology and Plant Quarantine, the Biological Survey, and the Soil Conservation Service furnish up-to-the-minute information in their various fields.

Individual contributions are made by such men as Senator Charles McNary and Representative James W. Mott whose help has been invaluable

in obtaining government publications. Charles Lathrop Pack through his Foundation has given us a subscription to the Forestry News-Digest.

Especially helpful is the cooperation of all the forest service experiment stations, particularly the Northwest Forest Experiment Station at Portland.

Other sources are the regional offices which give us such monthly publications as "626" of Region 6, and the "California Ranger" of Region 5. The Canadian Dominion Forest Service and forest service organizations of the provinces have also been very helpful.

News of new material is assured by accession lists of such places as the regional forest libraries, the New York State College of Forestry library, and the United States Department of Agriculture library. These "lists" provide us with a list of all the current publications on forestry and related topics.

When material is first received, it is given a catalogue number and then passed around to each member of the Forestry School faculty. After each has seen or read it and is aware of its presence in the School, the publication is thoroughly indexed and put on the shelf for student reference.

A recent census revealed that our library contained about 4500 pieces of literature, exclusive of complete collections of the Journal of Forestry, the Timberman, and other bound collections. The library now receives current issues of about 25 publications. Besides building up our current list, an appreciable showing has been made in filling out back numbers of periodicals, greatly increasing their value.

We are on the way to having an unparalleled forest school library.

Dry Kiln Facilities

—By Dick Fry

RECOGNIZING the need for men technically trained for various phases of lumbering, private industry is absorbing more men each year from the Department of Wood Products. Excellent opportunities are offered to those men trained in sawmill maintenance and planning, lumber merchandising, and dry kiln engineering. The latter, dry kiln engineering, is one phase that presents interesting problems confronting the dry kiln operator. The Wood Products Department is fortunate to have the equipment and staff to study these problems.

The School owns and operates a modern Moore compartment kiln, large enough to take a load eight by ten by twenty feet. The latest beam type scales, three internal fans with cross circulation, and several separate automatic steam and humidity regulators control the drying. An individual boiler with an oil burner plus a railroad spur track complete the major equipment. For accelerated fundamental research in kiln schedules, students have built a small-scale working model dry kiln.

Graduate dry kiln study has been made possible for the last several years through a research assistantship maintained for this work. With the equipment described above the graduate students under the supervision of Prof. Glenn Voorhies, former dry kiln superintendent at the C. D. Johnson Lumber Company, are in a position to carry on valuable kiln research.

The experiments here are interesting to note. Such problems as brown stain control, kiln schedules for the many Oregon woods, special problems in the Douglas fir region, such as dimension drying, and the black stain problem for the Hammond Lumber

Company have all been tackled. During the past two years the development of schedules for native woods has been of particular interest. In this connection salt seasoning has played an important part. The first successfully kiln dried myrtlewood boards were produced here last year through extensive study with the small-scale model kiln. This year the State Department is furnishing various Oregon woods to be dried for installation in the new State Forestry Building at Salem. Using the chemical or salt seasoning process for some species, approximately sixty thousand feet of the following woods have been successfully dried: chinquapin, yew, alder, madrone, juniper, ponderosa pine, sugar pine, Douglas fir, Oregon ash, Oregon maple, myrtle, and black locust. Several of these species have never before been kiln dried commercially.

Dry kiln work at Oregon State College has produced profitable results for the industry. However, because the field has hardly been tapped, there exists a real opportunity for future study. The relatively uncrowded field and the multitude of problems present a bright future for the development of dry kiln research.





The Students

Seniors - Juniors - Sophomores - Freshmen - Graduates



The Great American Paradise

By Julian Lee Rayford

II

CREAM PUFF FATTY AND THE CYCLONE TORNADO

Did you ever ear the time the cyclone tornado
blowed in wreckt Paul Bunyan's camp?
It come up unexpected one day in Western Kansas
when Paul was a logging off that part a the country.

Well, Cream Puff Fatty the Camp Cook
he was a counting of his flour sacks
he was a hanging sacks a flour on the wall.
Cream Puff Fatty he was so fat he couldn't git in a door,
and for the same reason he couldn't git out,
it was on account a he was so fat,
so they jest knockt a whole wall out a the kitchen,
mate it a three sided kitchen without a door
so's Fatty could waddle about.

That tornado it whistled up it dint leave nothing
except one wall a the kitchen where the flour hung,
blowed the sacks right on off a the flour,
left the flour a hanging there.

It lifted Fatty it blowed him out in Lake Superior,
and him, he was so fat he couldn't sink
he jest floated like the U S Steamboat Levi Nathan do.

But he started up a tremendous flood
it was bigger'n the one in the Bible, it's a fact.

Well, about that time Paul Bunyan he come back into camp.
Paul he leaned down cot that cyclone tonado in his hand.

Hit want sech a big one to Paul,
well, Paul he tucken it, he twist that thing
and he tied a knot in its tail,
and that sorta discouraged it kinda.

You'd a thought Paul Bunyan was satisfied with that,
but no sir, he tamed that cyclone tornado
he put it in a cage
and used it for a fan to cool the camp.

Lasted a whole Summer, nicest Summer they ever had ,
it was always lovely weather with that cyclone breezing
around.

—Courtesy Esquire

Graduating Seniors

ADCOCK, Graydon M.
"Sleepy"
 Yamhill, Oregon
 Technical Forestry
 Experience:
 L.H.L. Lumber Co., 2 yrs.
 Rogue River N.F., 1 yr.



BLACKER, Worth K.
"Worth"
 Corvallis, Oregon
 Technical Forestry
 Experience:
 Ochoco N.F., 2 yrs.

ALLISON, Grant W.
"Grant"
 Portland, Oregon
 Technical Forestry
 Activities:
 Xi Sigma Pi
 Experience:
 Bureau of Entomology,
 2 yrs.
 Siskiyou N.F., 2 yrs.



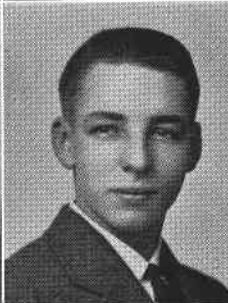
BLACKERBY, Louis H.
"Blackie"
 Oak Grove, Oregon
 Wood Products
 Activities:
 Foresters in Action
 Xi Sigma Pi
 Theta Delta Phi
 Wood Products, Inc.
 Board of Directors
 Experience:
 Silver Falls Timber Co.
 6 yrs.

ANDERSON, Wallace E.
"Wally"
 Eugene, Oregon
 Technical Forestry
 Activities:
 Xi Sigma Pi
 Forestry Club
 President
 Conclave Delegate
 Auditor
 Annual Cruise
 Manager
 Experience:
 Cruising, 1 yr.
 Crater Lake N.P., 1 yr.
 Malheur N.F., 1 yr.
 Siuslaw N.F., 1 yr.



BOWE, Gilbert M.
"Gil"
 Portland, Oregon
 Technical Forestry
 Experience:
 Deschutes N.F., 4 yrs.

BERESFORD, Harry E. Jr.
"Harry"
 Portland, Oregon
 Wood Products
 Experience:
 Sawmill, 3 yrs.



BROWN, Barton H.
"Bodie"
 Roseburg, Oregon
 Technical Forestry
 Activities:
 Yell Leader
 Rook Tennis
 Barometer
 Student Directory
 Experience:
 Rogue River N.F., 1 yr.
 Mt. Hood N.F., 2 yrs.

BURNS, Dale E.

"Dale"

Ashland, Oregon
Technical Forestry

Activities:

Annual Cruise
Hi-Lead

Experience:

Rogue River N.F., 3 yrs.
Moon Lumber Co., 4 yrs.
Quartz Valley Lumber Co.
1 yr.



DAVEY, Russell B.

"Russ"

Salem, Oregon
Technical Forestry

Experience:

Whitman N.F. Timber
Survey, 1 yr.
Rogue River N.F., 3 yrs.

CLARK, Darwin H.

"Clark"

Bend, Oregon
Technical Forestry

Experience:

Deschutes N.F., 6 yrs.



DAVIS, Sam Jr.

"Sam"

Arcata, California
Wood Products
Transfer from Humboldt
State College

Activities:

Hi-Lead
Barometer
Wood Products Club
Publicity Chairman

Experience:

Hammond Redwood Lum-
ber Co.

CROCKETT, James H.

"Jim"

Baker, Oregon
Technical Forestry

Experience:

Whitman N.F., 10 yrs.



DeCAMP, Richard

"Dick"

Oregon City, Oregon
Technical Forestry

Experience:

Rogue River N.F., 1 yr.
Mt. Baker N.F., 2 yrs.

DAMERELL, Woodrow

"Woodrow"

La Grande, Oregon
Technical Forestry

Transfer from Eastern Ore-
gon Normal School



DeLANO, Howard

"Howard"

Oregon City, Oregon
Technical Forestry

Experience:

Telephone Lineman, 4 yrs.
U.S.F.S., 2 yrs.
Range Survey, 1 yr.

DELZELL, John L.

"Johnny"

Klamath Falls, Oregon
Wood Products

Experience:

Shaw Lumber Co., 2 yrs.
Red River Lumber Co.,
1 yr.
Calif.-Ore. Power Co.,
3 yrs.



EMIL, Chris

"Sheriff"

Portland, Oregon
Technical Forestry

Activities:

Thanes
Vice-President
President
Rook Football
Junior Class
Sergeant-at-arms

Experience:

Blister Rust Control, 2 yrs.

DeYOUNG, James W. Jr.

"Jim"

Portland, Oregon
Technical Forestry

Activities:

Rosswood

Experience:

Mt. Hood N.F., 3 yrs.



FLIEDNER, William L. Jr.

"Bill"

Portland, Oregon
Wood Products

Experience:

Southern Pacific R.R.

DOANE, John J.

"Jocko"

Eugene, Oregon
Technical Forestry

Experience:

Willamette N.F., 3 yrs.



FOSTER, Charles L.

"Chuck"

Corvallis, Oregon
Technical Forestry

Activities:

Freshman Football
Varsity Wrestling
Interfraternity Council

Experience:

U.S.F.S., 2 yrs.
Coos Bay Fire Patrol, 1 yr.
State Forestry Dept., 1 yr.
Logging, 1 yr.

EDMISTON, Floyd H.

"Scotty"

Willamina, Oregon
Technical Forestry

Experience:

Logging, 7 yrs.
Columbia N.F. Timber
Survey, 1 yr.
Malheur N.F., 2 yrs.



FRY, Dick C.

"Small"

Wood Products

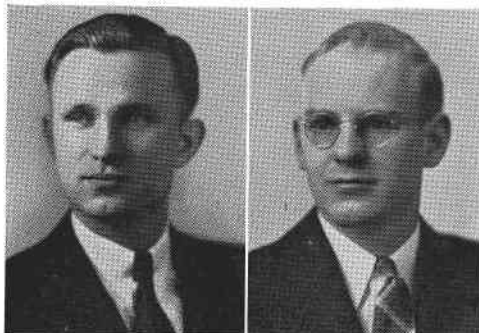
Activities:

Xi Sigma Pi
Annual Cruise
Wood Products Club
General Manager
Forestry Club
Secretary

Experience:

Western Pine Assoc., 1 yr.
McCloud Lumber Co., 1 yr.
Westfir Lumber Co., 1 yr.
Blister Rust Control, 1 yr.

GABIE, Lee
"Lee"
 Portland, Oregon
 Wood Products
 Experience:
 Range Examiner, A.A.A.,
 2 yrs.



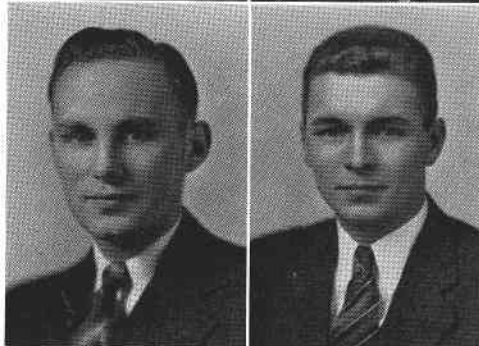
HALVERSON, John B.
"Hal"
 Eugene, Oregon
 Technical Forestry
 Activities:
 Annual Cruise
 Hell Divers

GANGLE, Lawrence C.
"Larry"
 Sherwood, Oregon
 Technical Forestry
 Activities:
 Xi Sigma Pi
 Annual Cruise
 Hi-Lead
 Experience:
 Willamette N.F., 5 yrs.



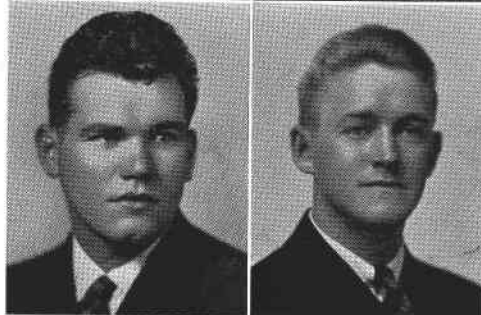
HAMMOND, Herbert L.
"Herb"
 Portland, Oregon
 Technical Forestry
 Activities:
 Interfraternity Council
 Coop. Managers Assoc.
 Xi Sigma Pi
 Associate Forester
 Annual Cruise
 Beaver
 Experience:
 Hardware, 4 yrs.
 Blister Rust Control, 2 yrs.

GLASGOW, Ray
"Ray"
 Prineville, Oregon
 Technical Forestry
 Experience:
 Pine Beetle Control
 Western Range Survey
 Ochoco N. F., 9 yrs.



HANSEN, George M.
"Yaykob"
 Portland, Oregon
 Technical Forestry
 Activities:
 Crew
 Hell Divers
 President
 Phi Sigma
 Treasurer
 Xi Sigma Pi
 Pack Awards
 Annual Cruise
 Assoc. Editor
 Editor
 Hi-Lead
 Experience:
 Siskiyou N.F., 3 yrs.

GRAH, Rudolf F.
"Rudy"
 San Diego, California
 Technical Forestry
 Transfer from Chaffey J.C.
 Activities:
 Forestry Club
 President
 Conclave Delegate
 Xi Sigma Pi
 Thanes
 Secretary-Treasurer
 Oregon Experiment Sta-
 tion Staff
 Experience:
 U.S.F.S., 2 yrs.



HAYMAN, Merton F.
"Mert"
 Portland, Oregon
 Technical Forestry
 Experience:
 Siskiyou N.F., 2 yrs.
 Columbia River Scaling
 Bureau, 1 yr.

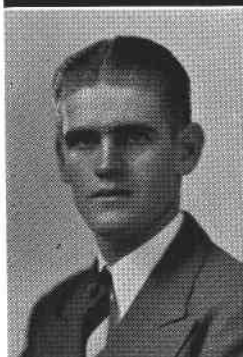
HELLAND, Marvin L.
"Marve"
 Yoncalla, Oregon
 Technical Forestry
 Activities:
 Boxing
 Experience:
 Sawmill, 2 yrs.
 Douglas Forest Protective
 Association, 3 yrs.



HILL, James E.
"Jim"
 Portland, Oregon
 Technical Forestry
 Activities:
 Interfraternity Council
 Junior Class Executive
 Council
 Experience:
 Willamette N.F., 3 yrs.



HENRY, Jimmie A.
"Jimmie"
 Anaheim, California
 Wood Products
 Experience:
 Brown Douser Lumber Co.



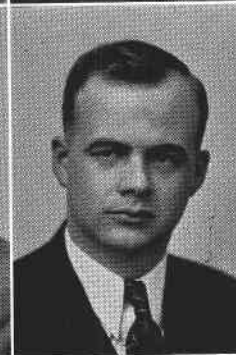
HUTCHISON, Oliver Keith
"Keith"
 Pilot Rock, Oregon
 Technical Forestry
 Experience:
 Umatilla N.F., 2 yrs.



HESSIG, Harold H.
"Hal"
 Corvallis, Oregon
 Technical Forestry
 Experience:
 Shasta N.F., 1 yr.
 A.A.A., 1 yr.



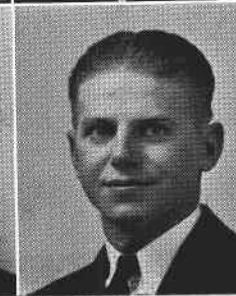
JESTER, Curtis M.
"Curt"
 Portland, Oregon
 Technical Forestry
 Experience:
 Hawley Pulp & Paper Co.,
 1 yr.
 U.S.F.S., 1 yr.



HICOK, Francis L.
"Frank"
 Corvallis, Oregon
 Logging Engineering
 Experience:
 Whitman N.F., 1 yr.
 Willamette N.F., 3 yrs.



KNUDSON, Gene D.
"Knut"
 Weston, Oregon
 Technical Forestry
 Activities:
 Xi Sigma Pi
 Phi Kappa Phi
 Annual Cruise
 Barometer
 Coop Managers Association,
 Board of Control
 Experience:
 Idaho N.F., 2 yrs.



LEBO, Joe M.

"Joe"

Toledo, Oregon

Logging Engineering

Activities:

Interfraternity Council

Experience:

C. D. Johnson Lumber Co.,
6 yrs.



McCOMB, Denver P.

"Mac"

Portland, Oregon

Technical Forestry

Activities:

Freshman Tennis
Varsity Tennis

Experience:

U.S.F.S., 8 yrs.

LESLIE, George A.

"Les"

Portland, Oregon

Technical Forestry

Experience:

U.S.F.S., 2 yrs.



McCONNELL, Robert B.

"Bob"

Portland, Oregon

Technical Forestry

Activities:

Crew
Annual Cruise
Track
Treasurer of Living Group

Experience:

Northwest Experiment
Station, 1 yr.
Siskiyou N.F., 2 yrs.

LOOMIS, Charles G.

"Chuck"

Klamath Falls, Oregon

Technical Forestry

Activities:

Annual Cruise
Varsity Boxing

Experience:

Mt. Hood N.F., 1 yr.
Umpqua N.F., 3 yrs.



McPHERSON, Frank W.

"Mac"

Astoria, Oregon

Technical Forestry

Activities:

Xi Sigma Pi

Experience:

State Forest Service, 1 yr.
Logging, 3 yrs.
Siskiyou N.F., 3 yrs.

LYON, Stanton E.

"Pap"

Portland, Oregon

Technical Forestry

Activities:

Coop Board
Thanes
Blue Key
Buxton Hall
President
Independent Student
Council
Associated Men's Halls
Vice-President

Experiences:

Mt. Hood N.F., 4 yrs.



MINOGGIE, Edward L.

"Minog"

Portland, Oregon

Technical Forestry

Activities:

Hell Divers

Experience:

U.S.F.S., 3 yrs.

MORRISON, Vance L.
 "Morrison"
 Troy, Oregon
 Technical Forestry
 Experience:
 Umatilla N.F., 12 yrs.
 Range Inspector A.A.A.,
 1 yr.



PALMER, Marcellus A.
 "Marc"
 Los Angeles, California
 Technical Forestry
 Experience:
 Ochoco N.F., 2 yrs.

NEWBERG, Arthur J.
 "Art"
 Portland, Oregon
 Wood Products
 Experience:
 General Metal Ware Co.
 U.S.F.S. Cruising, 3 yrs.



PARSONS, Glenn B.
 "Prof."
 Prairie City, Oregon
 Technical Forestry
 Transfer from Southern
 Idaho
 Experience:
 Malheur N.F., 4 yrs.

NORMAN, Stanley O.
 "Stan"
 Portland, Oregon
 Technical Forestry
 Experience:
 Columbia N.F., 1 yr.
 Tongass N.F., 1 yr.
 Pine Beetle Survey, 1 yr.



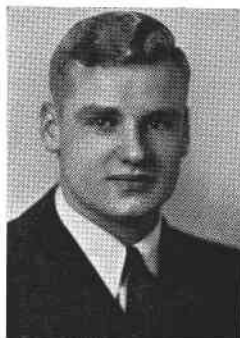
PLANKINTON, John C.
 "Plank"
 Portland, Oregon
 Wood Products
 Experience:
 Crown-Zellerbach Corp.,
 2 yrs.
 Pullman Co., 1 yr.

ORELL, Bernard L.
 "Bernie"
 Portland, Oregon
 Technical Forestry
 Activities:
 Varsity Baseball
 Varsity "O"
 Secretary
 Beaver
 Experience:
 Mt. Hood N.F., 2 yrs.



PRIDEAUX, John A.
 "John"
 Portland, Oregon
 Technical Forestry
 Activities:
 Glee Club
 Westminster
 President
 Religious Leaders Council
 President
 Debate
 Experience:
 Deschutes N.F., 1 yr.
 Mt. Hood N.F., 2 yrs.
 Lumber Mill, 1 yr.
 Alaskan Logging, 1 yr.

RAYNOR, Carl W.
"Carl"
 Canby, Oregon
 Logging Engineering
 Activities:
 Annual Cruise
 Hi-Lead
 Manager
 Forestry Club
 Treasurer
 Xi Sigma Pi
 Experience:
 A.A.A., 2 yrs.



SANDOZ, Ali J.
"Ali"
 Corvallis, Oregon
 Technical Forestry
 Activities:
 Xi Sigma Pi
 Experience:
 Blister Rust Control, 1 yr.
 U.S.F.S., 2 yrs.



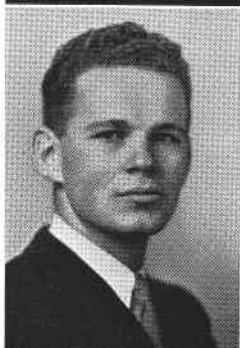
RUEGG, Robert G.
"Bob"
 Boring, Oregon
 Technical Forestry
 Activities:
 Xi Sigma Pi
 All School Boxing Champ
 Forestry Club
 Treasurer
 Coop Managers Association,
 Board of Control
 Experience:
 Rogue River N.F., 3 yrs.
 Siuslaw N.F., 3 yrs.



SCHRIVER, F. Parry
 Sheridan, Wyoming
 Technical Forestry
 Transfer from Kemper
 Military School
 Activities:
 Barometer
 Interfraternity Council
 Experience:
 U.S.F.S., 1 yr.



RUSSELL, Joseph P.
"Joe"
 Grants Pass, Oregon
 Wood Products
 Activities:
 Hi-Lead
 Annual Cruise
 Lampighter
 Forestry Club
 Experience:
 Siskiyou N.F., 3 yrs.



SHOEMAKE, Andrew D.
"Andy"
 Baker, Oregon
 Technical Forestry
 Activities:
 Public Speaking
 Experience:
 Willamette N.F., 3 yrs.



SAMPERT, Herbert C.
"Blondie"
 Portland, Oregon
 Technical Forestry
 Activities:
 Hi-Lead
 Annual Cruise
 Advertising Manager
 Manager
 Xi Sigma Pi
 Forester
 Forestry Club
 Secretary
 Vice-President
 Conclave Delegate
 A.W.F.C. Affairs
 Phi Kappa Phi
 Experience:
 C.C.C. 2 yrs.
 Willamette N.F., 3 yrs.



SKYLES, Richard K.
"Dick"
 Astoria, Oregon
 Technical Forestry
 Activities:
 Xi Sigma Pi
 Forestry Club
 Vice-President
 Experience:
 Willamette N.F., 2 yrs.



STEWART, Faye H.
"Stub"
 Cottage Grove, Oregon
 Logging Engineering
 Experience:
 Logging, 3 yrs.
 U.S.F.S., 3 yrs.
 Eastern Lane Fire Patrol



SUMNER, Norman R.
"Norman"
 Salem, Oregon
 Technical Forestry



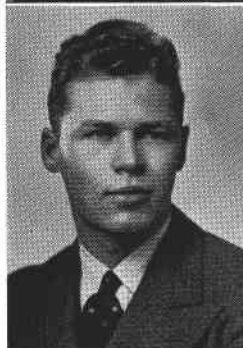
SMITH, John B.
"Jack"
 Tiller, Oregon
 Technical Forestry
 Activities:
 Interfraternity Council
 Experience:
 Umpqua N.F., 9 yrs.
 Calif.-Ore. Power Co.,
 1 yr.
 Dillard Wicks Const. Co.,
 1 yr.



SURDAM, Elmer
"Elmer"
 Eugene, Oregon
 Technical Forestry
 Activities:
 Hi-Lead
 Boy Scout Work
 Experience:
 Siuslaw N.F., 1 yr.
 Willamette N.F., 3 yrs.



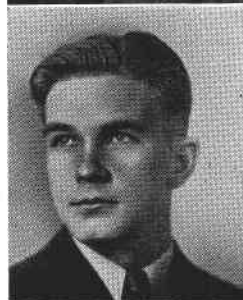
STODDARD, Byron
"Byron"
 Idanha, Oregon
 Technical Forestry
 Experience:
 Rogue River N.F., 4 yrs.



TEATS, Grant
"Grant"
 Sheridan, Oregon
 Wood Products
 Activities:
 Baseball
 Football
 Track
 Varsity "O"
 Experience:
 Sawmill, 2 yrs.



SULLIVAN, Leslie J.
"Les"
 Starkey, Oregon
 Technical Forestry
 Activities:
 Xi Sigma Pi
 Rook Track
 Rook Boxing
 Experience:
 Mt. Emily Lumber Co.,
 1 yr.
 Umatilla N.F., 4 yrs.



WALKER, Clyde M.
"Clyde"
 Portland, Oregon
 Technical Forestry
 Activities:
 Blue Key
 Xi Sigma Pi
 Sigma Delta Chi
 Lampighter
 Editor
 Forestry Club
 Secretary
 Auditor
 Senior Class
 Treasurer
 Foresters in Action
 Lipman Wolfe Award
 Experience:
 Rogue River N.F., 3 yrs.



WALKER, L. Lisle
"Lisle"

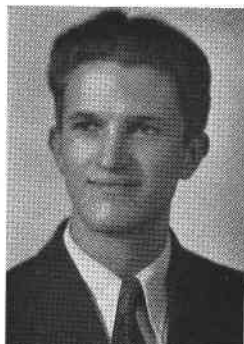
Beaverton, Oregon
Technical Forestry

Activities:

Phi Kappa Phi
Phi Sigma
Sigma Delta Chi
Xi Sigma Pi
Sec.-fiscal Agent
Annual Cruise
Editor
Pack Award

Experience:

Ochoco N.F., 1 yr.
U.S.F.S. Timber Survey,
2 yrs.
Willamette N.F., 1 yr.
Siuslaw N.F., 1 yr.



WATTS, James W.
"Jim"

Madras, Oregon
Technical Forestry

Experience:

Whitman N.F., 3 yrs.

WARE, Angus L.
"Hap"

Stayton, Oregon
Technical Forestry

Experience:

U.S.F.S., 1 yr.
Logging, 12 yrs.



WHEELER, Frank C.

Harper, Oregon
Technical Forestry

Experience:

Mt. Hood N.F., 2 yrs.

Without Pictures

CARNEGIE, John A.
"John"

Albany, Oregon
Technical Forestry

Activities:

Xi Sigma Pi

Experience:

Insect Survey, 1 yr.
U.S.F.S., 1 yr.



WILLIAMS, Ross W.
"Ross"

North Powder, Oregon
Technical Forestry
Transfer from Linfield
College

Experience:

Olympic N.F., 2 yrs.

ESCHWIG, William H.
"Bill"

Whitefish, Montana
Technical Forestry
Transfer from University
of Montana

Experience:

Glacier N.P., 2 yrs.
Flathead N.F., 2 yrs.

SANDOZ, Fred J.
"Fred"

Corvallis, Oregon
Technical Forestry

Activities:

Xi Sigma Pi

Experience:

Rogue River N.F.,
3 yrs.

STEPHENS, Clifford A.
"Steve"

Corvallis, Oregon
Technical Forestry

Activities:

Band

Experience:

Linn County Fire Patrol,
2 yrs.
Pine Beetle Survey, 1 yr.
U.S.F.S., 1 yr.

THOMPSON, Darrow M.
"Tommy"

Activities:

Club Song Leader
Living Group Manager
Soph. Cotillion Chairman
Senior Ball Chairman
Homecoming Chairman

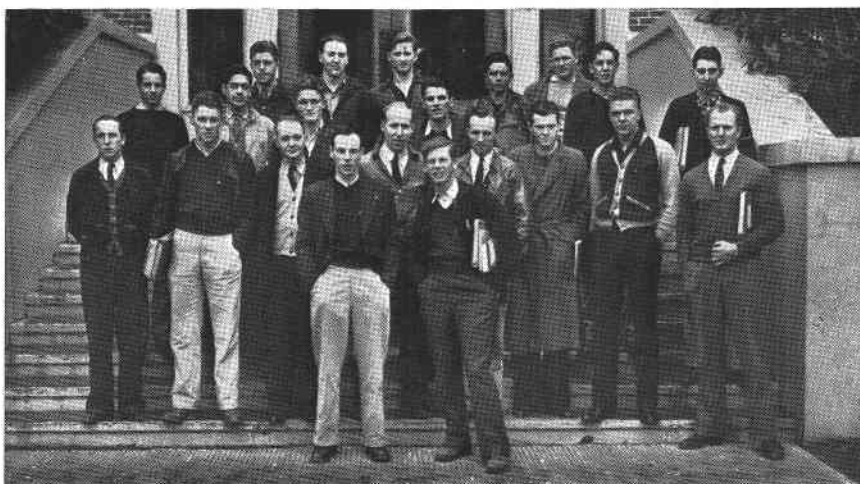
Experience:

Deschutes N.F., 2 yrs.
Simpson Logging Co.,
6 mo.
Linn Co. Fire Patrol, 3 mo.
Retail yard, Arizona,
6 mo.

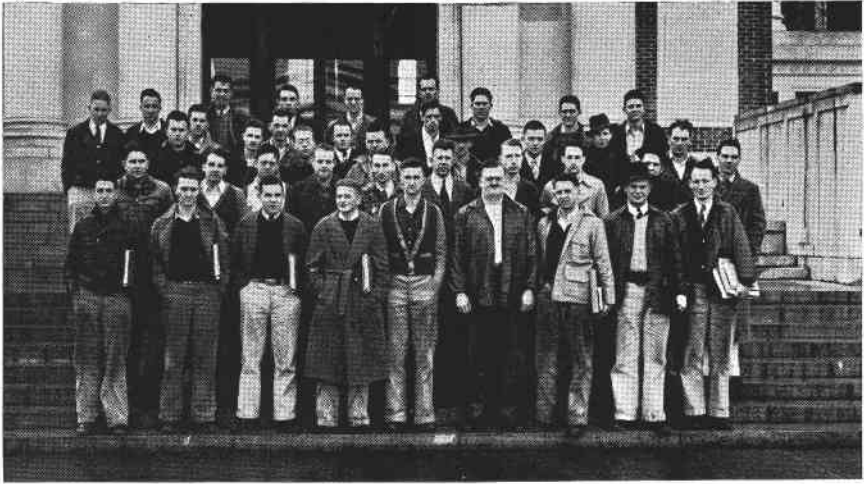
Freshmen



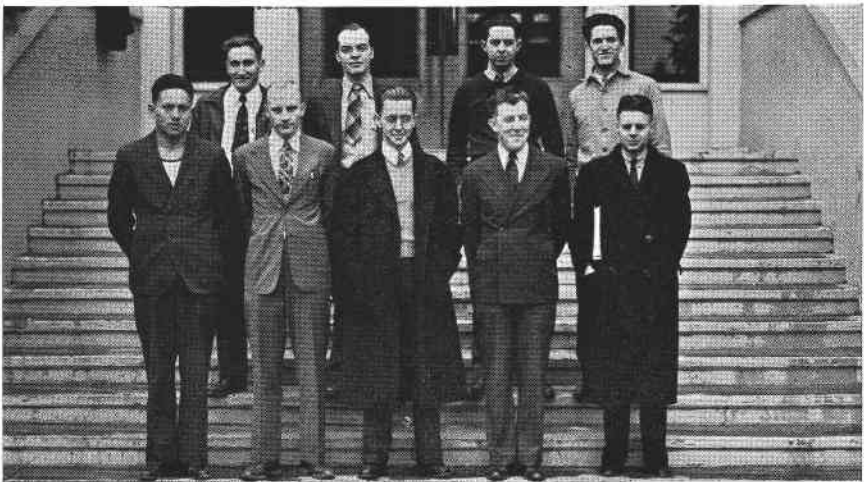
Sophomores



Juniors



Graduate Students



Front row—Kem Blacker, Franklin Longwood, Eugene Tower, Floyd Scott, John Drummond.
Rear row—Kenneth Crawford, Alva Blackerby, George Mueller, L. Lisle Walker.

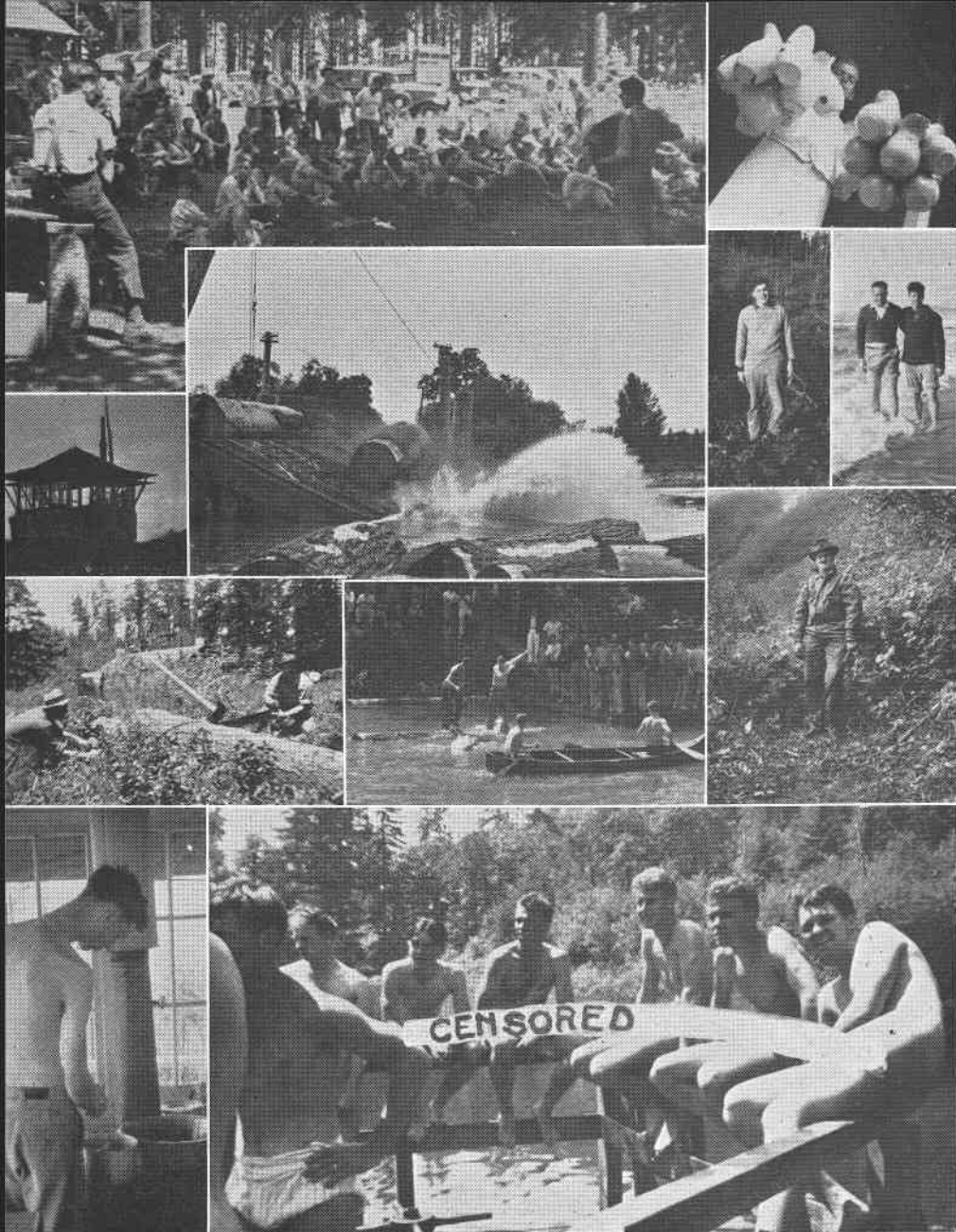


Extra-Curricular Activities

Forestry Club - Foresters on the Air - Xi Sigma Pi - Wood Products - N.Y.A.

*Log Rolling in the
Mary's River---
a Junior Week-end
Feature*





Music soothed the "beasties" on Arboretum Day

Sunset

Louis Blackerby's Grand Prize Snapshot

Lucky they're not full

Charleston Clark and Benesh

The boys get warmed up

Log Rolling Junior Week-end

Ficken in Alaska

He'll make a good wife

Cronemiller Lake is good for something besides watering the Nursery

The Forestry Club Today

By Fred Sandoz

THE Forestry Club in its thirty-second year has become more impressive than ever in club, school, and public activities. Club membership has approached the 500 mark, and it continues to be the largest club on the campus with more drive and spirit to put over its activities and objectives than ever before.

The major activities sponsored by the Forestry Club are the Rook Arboretum Day in the fall, to acquaint the embryo Fernhoppers with the McDonald Forest, the Foresters' Ball, the Foresters' Banquet, and Arboretum Day in the spring. The Forestry Club also sponsors the ever improving Forestry School Library by contributing financial assistance.

On Wednesday, anyone on the campus can tell a Fernhopper by his red tie which is worn in honor of Dean Peavy, known in forestry circles from coast to coast as a leader and educator among men. Red ties are one of the many benefits of club membership, along with ice cream feeds, Arboretum Day, and reduced rates on the dance. The privilege of securing a ticket to the banquet is an additional benefit, since it has been necessary to restrict attendance in recent years due to the lack of space in the M. U. ballroom. Membership also includes a subscription to the year book, The Annual Cruise, and the bi-monthly Hi-lead.

This year marked the inauguration of class officers, aside from the regular officers in the club, who constitute the executive committee, secure entertainment for Forestry Club meetings, and pass on business matters to be presented to the club members.

Another function of the Club this year was that of sending four delegates to the Western Forestry School

Conclave at the University of Montana, which resulted in the organization of the Intercollegiate Society of American Foresters. O. S. C. Foresters secured the privilege of being hosts for the Conclave next year on our own campus.

FORESTRY CLUB OFFICERS

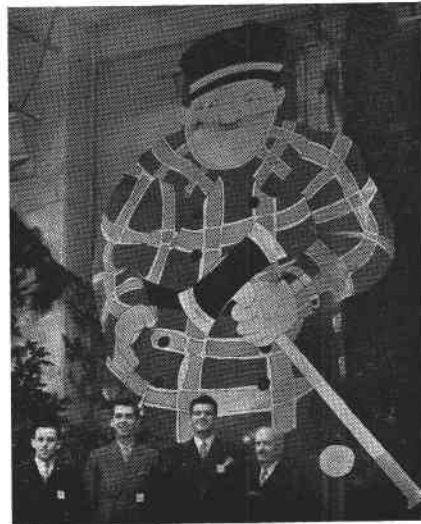
1938-39

First Half

President	Wally Anderson
Vice-President	Herb Sampert
Secretary	Dick Fry
Treasurer	Carl Raynor
Gaboon Chairman	Palmer Gilbert
Song Leader	George Schroeder
Critic	W. F. McCulloch
Auditor	Clarence Richen
Sergeant-at-Arms	Bill Semmler
Publicity	Joe Russell

Second Half

President	Rudy Grah
Vice-President	Dick Skyles
Secretary	Lu Alexander
Treasurer	Alan Berg
Gaboon Chairman	Bruno Berselli
Song Leader	Dick Ramsey
Yell Leader	Bob Benesh
Publicity	Joe Ross



Christensen, Swanson, Grah, and Peavy at the Banquet.

The Forestry Club 32 Years Ago

By Alva Blackerby

WAY back in the fall of 1906, seven years before the School of Forestry was established, the Forestry Club was born. This was the first year in which a four-year course in forestry was offered at O. A. C., in the Department of Botany and Forestry under the School of Agriculture.

The Forestry Club took root when five embryo foresters met with Professor E. R. Lake on November 16, 1906, to organize the Forestry Club. Little did they realize that this small seedling would become the second largest school of forestry in the United States within 32 years with an enrollment of 465, 13 staff members, and five graduate assistants. Oregon with the finest stands of timber in the United States is indeed a fitting place for a fast growing school of forestry.

The fire kindled by this first meeting in 1906 has never been extin-

guished and has made the word "Fernhopper" stand for real fellowship among forestry students as well as serving as a pleasant reminder to "Old Grads" of all that was best in their college careers.

However, there have always been problems. Upon at least two occasions Forestry Club meetings were not held—"Prof. Lake did not come with the key."

On April 6, 1910, when T. J. Starker (better known as "Peach Fuzz" by fellow underclassmen) was president of the club a motion was made and passed requiring all members absent from any meeting "... to write a synopsis on some bulletin." On May 18th of this same spring a meeting was called to order by Lynn Cronemiller, because the president (T. J. S.) and vice-president both were absent.

On October 11, 1912, James Even-den moved that "If any member of



The Forestry Club's Cabin

the club was absent or very tardy and unable to give an acceptable excuse, a tax should be levied on said person." . . . "An amendment was added to this motion by Lynn Cronemiller that the tax should be \$.25, and in the case of 'fussing' \$.50."

Important dates in review (from the Forest Club minutes and other sources):

1906 (32 years ago)—The Department of Botany and Forestry under the School of Agriculture added a four-year forestry course leading to a B.S. Degree.

1906 (32 years ago)—On November 16, the Forestry Club was organized with six members including Prof. Lake.

1907 (31 years ago)—In the Forestry Club meeting of December 6, Jack Pernot moved that girls not be admitted to the Forestry Club. Mr. Likel then moved to lay this previous motion on the table. Judging from the records, the motion is still there.

1910 (29 years ago)—George W. Peavy of the Federal Forest Service with headquarters in San Francisco was, in February at the opening of the second semester, appointed Professor of Forestry and Head of the new independent Department of Forestry. There were 17 students.

1913 (25 years ago, 1938)—The independent Department of Forestry was changed to the School of Forestry by the Board of Control on July 19, 1913. When school began in the fall of 1913, students enrolled in the new School of Forestry for the first time.

1916 (23 years ago)—The club met secretly and solemnly in the spring and officially broke ground for a new building. The Forestry Building was first occupied in the fall. Dean Peavy wanted one room that would hold the whole school in its club meetings for all time to come. That room, 302, now will just comfortably

hold the senior class. Previously, classes were held on the 3rd, "heaventh", floor of the Science Building, (Chem Shack to you.)

1919 (20 years ago)—Almost half (49.5 percent) of last year's club members entered the military service. Three were killed.

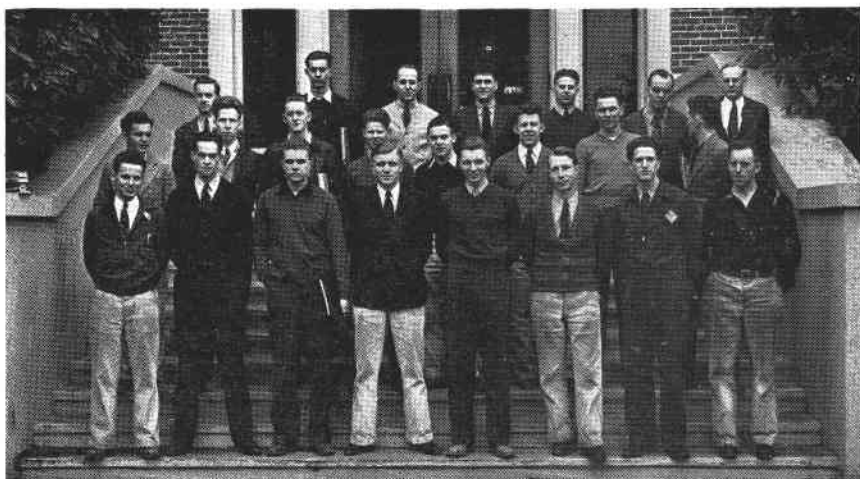
1926 (13 years ago)—Peavy Arboretum started as a tract of 92 acres. The Forestry Club contributed a part of the money for this initial purchase. Since then, over 4,700 acres of adjacent land has been purchased, making up what is known as the McDonald Forest, made possible largely through gifts of the late Mary J. L. McDonald. Peavy Arboretum and the McDonald Forest together form an outdoor laboratory for forestry students unequaled in the West.

1934 (5 years ago)—Dean Peavy was made President of Oregon State College. However, he still retains the position of Dean of the School of Forestry. Professor Earl G. Mason was appointed Assistant to the Dean in the School of Forestry.

Traditions have come and gone, but Forest Club members have continued to include ". . . all regular students taking forestry . . ." (providing they paid their dues). Some officers of the club make their exits quietly, others with a flourish. On March 3, 1919, H. J. Eberly made this statement: "I do hereby step down from my enviable throne of secretaryship of the Forestry Club, after having fulfilled my honorable position to the best of my ability, and make way for Mr. Adolph Nilson, my most worthy successor; Amen."

Forest Club meetings have been held bi-weekly, bi-monthly, or monthly either on the campus, in one of the professor's homes, or as was done many times, in Avery's Wood Lot or Peavy Arboretum. As one Fernhopper put it, "These meetings were not all 'a feast of reason and a flow

(Continued on page 72)



Back Row—Hammond, Nunnencamp, Sandoz, Gangle, Knudson, Blackerby, Halverson.
Center row—Ross, Godard, Hayman, Newberg, Black, Starker, McConnell, Burns.
Front row—Russell, Mullett, Hofsted, Sampert, Hansen, Zach, L. Walker, Christensen.

THE ANNUAL CRUISE

Volume XX

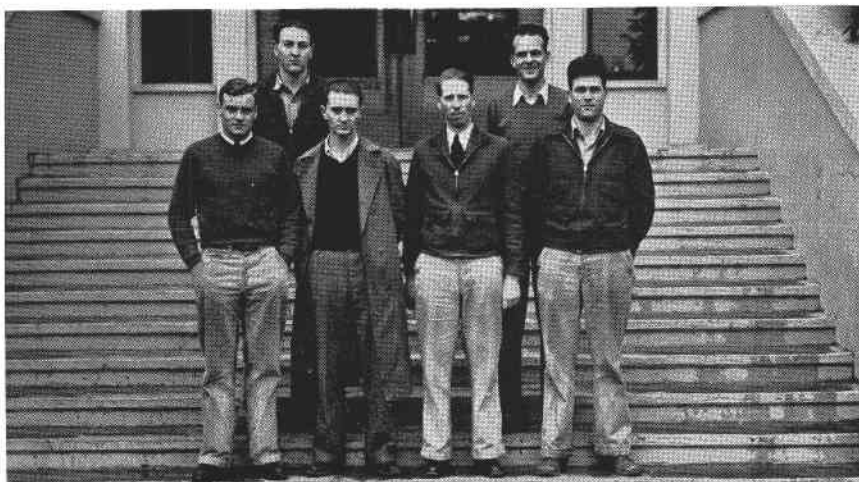
Editor	George M. Hansen	Manager	Herb Sampert
Associate editor	Lawrence Zach	Advertising	Dick Fry
Sub-editors —	Gordon Black, Larry Gangle, Herb Hammond, Gene Hofsted, Joe Russell.	Assistants	Bill Shiley, Howard Taylor
Artists and draftsmen—	Gordon Black, Chelsea Browne, Lauron Godard, Herb Sampert, Wally Anderson.	Circulation	Don Mullett
Assistants —	Lou Alexander, Alva Blackerby, Roy Brady, Dale Burns, Merle Christensen, Dick Fry, F. Palmer Gilbert, John Halverson, Don Hyland, Gene Knudson, Franklin Longwood, Stanley May, Bob McConnell, Art Newberg, Vic Nunnencamp, Dan Robinson, Joe Ross, Fred Sandoz, Hal Sasser, Bruce Starker, Clyde Walker, L. Lisle Walker.	Assistants	Merle Christensen, John Halverson, Mert Hayman, Gene Hofsted, Bob McConnell, Ken Peck, Joe Russell.
Faculty adviser	Prof. R. S. Kearns		

The inspiration for Volume XX of the Annual Cruise was the Silver Jubilee of the School of Forestry. The staff felt the importance of the occasion and took this opportunity to preserve for future generations a record of our School's first twenty-five years of progress.

The many snapshots were made available by a contest in which thirty-three students entered about three hundred pictures. The grand prize of a wool shirt, sox, and tie was won by Louis Blackerby with his picture of logs rolling from a flat car into a pond. First prize winners in different picture classifications were Dave Burwell, Arthur Ficken,

Louis Blackerby, Alva Blackerby, and Bob McConnell. These winners received a subscription to the "Timberman" or the "West Coast Lumberman." Honorable mentions were won by Bruce Starker, Louis Blackerby, Carl Hawkes, Joe Russell, and John Prescott. Other snapshots printed are by Bert Udell, H. Elofson, Roy Brady, Franklin Longwood, Ed Dmytryk, Howard DeLano, Angus Ware, Ken Crawford, G. Hansen, Ralph Yeater, and Bob Benesh.

Miss Liddle was indispensable because of her willing cooperation with both the editorial and business staffs. Help from Asst. Dean Mason and Prof. Starker was also appreciated.



Back row—Verne Bronson, Ray Ellis.
Front row—Carl Raynor, Lloyd Waid, Elmer Surdam, Larry Gangle.

THE HIGH-LEAD

Volume III

Editor F. Palmer Gilbert Associate Editor Bob Benesh
Manager Lloyd A. Waid

Staff — Allen Berg, Verne Bronson, Dale Burns, Mason Coverston, Ray Ellis, Larry Gangle, George M. Hansen, Art Newberg, Dan Robinson, Joe Ross, Carl Raynor, Joe Russell, Herb Sampert, Elmer Surdam.

Faculty contributors—R. M. Evenden, Franklin Longwood, E. G. Mason, W. F. McCulloch, Dean G. W. Peavy, T. J. Starker.

Three years ago a group of students got together to start the Hi-Lead. Its original purpose was to serve as a medium of school news to replace the "grapevine" which at that time was very active. The first issues were a single page published weekly.

For the first year the Hi-Lead was financed solely by students interested in it. Two years ago it was incorporated into the structure of the Forestry Club and has remained a part of that organization since.

This year the paper has been enlarged to five pages, published bi-weekly. The staff has grown to an efficient group of students each having beats or special jobs to perform. The present circulation is 275 copies,

20 of which are sent to forest schools and personnel throughout the country.

The Hi-Lead has evolved from a mere local scandal sheet to a four to six page publication containing items of real interest and education to the students. Various faculty members are regular contributors of timely articles.

The goal in the future will be to maintain this publication on a high plane so as to favorably advertise our School by publishing vital news not usually recorded elsewhere.

Cartooning is contributed by Carl Raynor, Art Newberg, and Mason Coverston. Miss Adelaide Liddle has been the right arm of the staff in all its work of news-getting and distribution.

The A.W.F.C. Conclave

THIS year, 1939, marks the beginning of a new bond of unity between the forestry clubs of the West.

With the Montana Forestry Club as the host, the first Annual Conclave of Western Forestry Clubs became a reality. Our own club played a dominant part in the proceedings through the able representation of the four outstanding men sent as our delegates. These men, Rudy Grah, Wally Anderson, Herb Sampert, and Harry Swanson, were selected by the executive council of the Forestry Club on the basis of their knowledge of the activities of the Club.

The four O.S.C. delegates left the campus Tuesday, January 11, and were gone until Sunday, February 5. In spite of the mild weather in Oregon, the boys left well equipped for the snow in Montana.

Aside from the purpose of unity, the most outstanding feature of the Conclave was the hospitality shown by the whole Montana school as well as the host forest club. Everything possible was done to make the atmosphere friendly.

Several banquets were arranged in which the Home Ec. girls, the Druids' forest honorary, and the forest club each vied to outdo the other.

One meeting was topped off by a smoker with plenty of smoke from the cigars passed out. One of their profs refereed and distinguished himself by entering a dog-pile and emerging again with his monocle still in place.

Other meetings ended with grub. The Montana Club has a chef who is perhaps one of the most important officers. He could really brew a fine mug of coffee.

The Foresters' Ball was a sell-out at \$3.00 a couple. Paul and Babe had left their footprints, leading to

the Men's Gym, all over the town and campus. The gym was completely camouflaged inside with trees, which had been hauled forty miles. Everyone dressed in clothes to suit the forest setting. It was the custom to trade dances freely all evening, much to the regret of our boys, because they had rated A-1 dates. A feature of the Ball was a cozy little structure called "The Ranger's Dream." Here the foresters took their gals to talk things over. Rudy has the lowdown. They almost had to burn it down to get him out.

The business side of the Conclave occupied most of the time and thoughts of all the delegates present. Representatives had been sent from Colorado State, Minnesota, Utah State, Idaho Southern Branch, Washington State, Idaho, and Oregon State.

After reviewing the reasons for the failure of the earlier association of forest clubs, the delegates outlined a sound structure for the new organization as follows:

1. Sponsorship by the S. A. F.
2. Establishment of an inter-school newsletter.
3. Inter-club competition.
4. Closer fellowship among forestry students.

The first proposal is under consideration by the Society of American Foresters. At the Conclave the delegates were encouraged in this direction at a meeting of the Northern Rocky Mountain Section of the S.A.F. Each forest school has since been contacting the S.A.F. groups of their respective sections with encouraging response.

The newsletter, "A.W.F.C. Affairs," has become a reality. The responsibility for editing it is circulated from one club to another. Montana

(Continued on page 71)



Rook Arboretum Day

Designed to acquaint the rook foresters with the Peavy Arboretum, McDonald Forest, and the Clark-McNary Nursery, Rook Arboretum Day was held on Saturday, October 8, with Frank McPherson, senior, in charge of arrangements for the annual inspection trip.

The rooks were divided into small groups under the leadership of seniors in forestry, who answered their questions and explained the various projects. Even the rooks admitted that these seniors really did a fine job. Besides the educational value of the trip, another attraction was a picnic lunch; and even if the two hundred rooks, seniors, and profs weren't actually starved, they did put on a pretty convincing act.

The Saturday morning rook engineering lab. class arrived in time for the finish. Hiking over the hill from the saddle, they arrived at the Arboretum log cabin just in time for lunch and the songs. The trip was over at 2:00 P.M., and the future hopefuls of forestry returned to the campus with greater understanding of the School's work.

The Foresters' Ball

The evening of October 14 was the night of the third Annual Foresters' Ball in the M. U. ballroom. Privileged, indeed, was the co-ed escorted to this, the year's outstanding fern-hopper social function.

Three hundred couples danced in the softly lighted forest of brilliant-hued vine maple and cool green Douglas fir, appropriately themed "Sylvan Moonlight."

Between the numbers by Maurice Binford's swing orchestra, the couples hied to the "little still down under the hill" for a sip or two or three of the refreshing "mountain dew." Despite vague promises by the "feather merchants", the still produced nothing stronger than apple cider.

An intermission program featured the "Three Boys and a Guitar" composed of Doug Gray, Wilbur Jones, and Don Nance.

Rudy Grah and his committee are to be congratulated for their efforts to make the ball the success it was. The entertainment was of the best, and good management made the affair financially successful as well.

The Fernhoppers' Banquet

By Dan Robinson

THE rumble of bullfesting assailed the ears of the listener in the Memorial Union lounge as foresters from every part of the Northwest met old friends and made new ones at the Twelfth Annual Forester's Banquet on the evening of February 25. The fact that the guests were celebrating the Silver Jubilee of the School of Forestry at O. S. C. gave added warmth to the good fellowship and rapid-fire bullfesting of the throng of timbermen.

When "Dean" Peavy sounded the dinner gong at six o'clock, six hundred ravenous disciples of Paul Bunyan sat down to such delicacies as salad with thousand island dressing, turkey with giblet gravy, and butterscotch sundaes. More stories and mellow memories lent an atmosphere of quiet contentment and satisfaction as evidenced by the sighs and reluctant refusals of offers of more turkey.

Fortified by good food, the guests turned to the business of exchanging ideas pertaining to the forest profession. From the speaker's platform Leslie Scott, president of the Port-

land Chamber of Commerce, assured foresters that the Portland business men will back forestry because they fully realize that the business of Portland depends on the success of forestry in Oregon and the Northwest. C. J. Buck, retiring regional forester of Region 6, bade farewell to his fellow-workers and added an optimistic comment on opportunity for jobs. Foresters will have jobs if the federal, state, and private foresters will cooperate with sustained yield practices, he said.

Lynn F. Cronemiller, state extension forester and Speaker of the Evening, spoke on "New Trends in Forestry." He criticized the federal and state governments for not cooperating in forest protection. Private industry has been the main factor in the development of the West and, in the case of forestry, has had to assume the responsibility of providing 78 per cent of the funds for protection of state private forest land as against 12 per cent from the federal government and 10 per cent from the state.

(Continued on page 70)



The 1938 Arboretum Day

By Larry Gangle

ON a warm spring day, Saturday, May 21, fernhoppers gathered in Peavy Arboretum and McDonald forest to take advantage of the woodland surroundings by dropping school work for the day to let the quickening life of spring rule their actions. Three hundred and seventy-five foresters spent the day "wrestling brush," eating, and taking time out for the traditional horseplay. Floyd Scott, Forestry Club president and general chairman for the day, organized the program.

Fernhoppers left the Forest School at seven in the morning with "Mac" McClendon in charge of the trucks. The morning was spent in giving the forest its annual spring cleaning. Herb Sampert, work foreman, put crews on the Sulphur Springs trail, the loop trail, the nature study trail, and the trail from the Sulphur Springs saddle to the lookout point west of it. One crew felled snags along the ridge road. Other crews in Peavy Arboretum proper improved the arboretum cabin, put in a new bridge at the creek near the cabin, cultivated planted stock nearby, and worked on eradication of Scotch broom and Ribes.

When the work was completed, the crews gathered at the arboretum cabin to watch "Mac" McClendon top a giant fir tree. Wally Anderson and his chefs stood by to hand out the traditional bean-hole-beans, hamburgers, and potato salad followed by ice cream.

While everyone was full and inactive, a short club meeting was held to nominate Forestry Club officers. Prizes were awarded for various fernhopper activities. George Hansen won first place and forty dollars

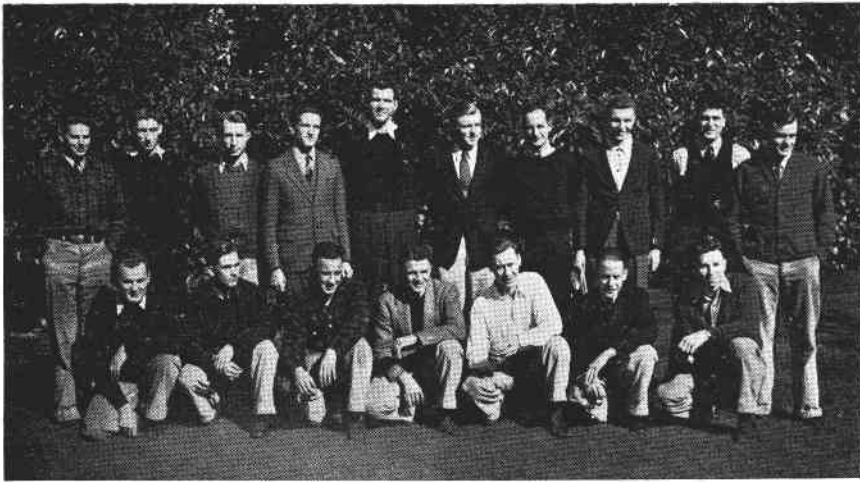
in the Charles Lathrop Pack Essay Awards with his paper on Christmas trees as a farm crop. Roy Elmgren took the second prize with his paper on wildlife management, and Lisle Walker received third prize with his article on the use of radio in fighting fires.

The Annual Cruise cup, awarded for the most outstanding work on that publication, went to Herb Sampert, advertising manager of the Cruise. John Carnegie was awarded the Xi Sigma Pi award for outstanding scholarship during his sophomore year.

After the awards were given, Sandy Congdon, in charge of entertainment, started the contests. Although Glen Thompson finally won the horse packing contest, "Peach-fuzz" Starcker gave him a run for it. Merle Christensen won the log bucking contest, Carwin Woolley the tree climbing event, and Walter Johnson finished first in the dress, pack, and run race. Two boxing bouts were staged by the fernhoppers; and although the beans seemed to have some effect on their wind, they managed to stay on their feet.

Faculty members, put on the spot by a kangaroo court, were, among other things, tried for the dire crime of overworking fernhopper students. Prosecuting attorney, Bruno Berselli, backed by the judge, outtalked Gordon Dillinger, defense attorney, to gain a unanimous verdict of "guilty" from the unsympathetic audience. The defendants were sentenced to a foot race.

Tired and dirty, bruised and scratched, the fernhoppers returned to town to nurse their accumulated injuries and poison oak.



Back row—Knudson, Wilt. Zach, L. Walker, Grah, Sampert, Skyles, Hansen, Gangle, Raynor. Front row—Schroeder, Sullivan, Alexander, Ruegg, C. Walker, Anderson, McPherson. Other active members—Grant Allison, Bob Barron, Louis Blackerby, John Carnegie, Merle Christensen, Charles Combs, John Drummond, Lester Dunn, Bill Freed, Dick Fry, Walter Geren, Palmer Gilbert, Mal Harris, Frank Longwood, Otto Peters, Guillermo Ponce, Andy Pribnow, Dan Robinson, Ali Sandoz, Fred Sandoz, Bill Semmler, Bruce Starker, Sam Taylor, Ed Tippner, and all faculty members.

XI SIGMA PI

Basing its membership upon the qualities of experience, scholarship, character, and leadership in campus and forestry activities, Zeta chapter of Xi Sigma Pi, the national honor society in forestry, has been able to maintain a consistently high standard of accomplishment since its establishment in 1921.

The work of the senior advisors, inaugurated in 1937, has proven so valuable that Xi Sigma Pi has continued its sponsorship of this service to freshmen in forestry. With a decision upon the Forestry Club cabin still doubtful, the Society has been active in keeping the issue alive and throwing light on all sides of the question.

A new service to the School was organized in the form of providing attendants for the Forestry Museum. Spring term neophytes are constructing a glass covered bulletin board.

Each year the chapter awards an engraved paper weight to the sopho-

more with the highest weighted scholarship during his second year. Accompanying this is the engraving of the recipient's name on a bronze plaque in the School's halls. John Carnegie received this award in 1938, and Larry Zach is this year's top underclassman.

New members elected to Xi Sigma Pi in fall term were: Alva Blackerby, graduate, Louis Blackerby, Mal Harris, Frank McPherson, Carl Raynor, J. Edward Schroeder, Leslie Sullivan, seniors; and Lou Alexander, Bruce Starker, and Lawrence Zach, juniors.

Spring elections included: John Drummond, Guillermo Ponce, graduates; Grant Allison, Robert Barron, Ali Sandoz, Fred Sandoz, seniors; Merle Christensen, Charles Combs, Lester Dunn, Henry Freed, Walter Geren, F. Palmer Gilbert, Otto Peters, Andy Pribnow, Dan Robinson, Bill Semmler, and Edwin Tippner, juniors.



"Foresters in Action."

Foresters on the Air

The campus radio station, KOAC, this year, has been broadcasting weekly discussions on forestry by the faculty members of the School of Forestry. The new schedule to be in effect until December, 1939, will occupy the time from 9:30 to 9:45 P. M. on Friday evenings. These discussions are designed to answer the questions of the layman on forestry.

"Foresters in Action" is in its third year as a program of fun and music from the woods. Originally sponsored by the Forestry Club, the program has proven so valuable to the profession through the public opinion it has influenced that the School has cooperated to make it a regular feature at 8:45 P. M. every Thursday.

George Schroeder was the motivating spirit and script writer in the initial broadcasts. This year, in Mr. Schroeder's absence, Clyde Walker has functioned as script writer, using tall tales from men in the woods for the stories. Jimmie Morris, program director of KOAC, has coached the fernhoppers since the first broadcast.

Honors and Awards

The Mary J. L. McDonald Fellowship in Reforestation, made possible by the generosity of the late Mrs. McDonald, provided a fund of \$10,000 in 1928 to be used for advanced study in problems of reforestation. A committee composed of the Forestry School faculty awards the income from the fund, or \$450, to a graduate of a recognized School of Forestry on a basis of proficiency in forestry studies, personality, and demonstrated ability to do independent work. The award for 1938 went to Sam Taylor.

The Charles Lathrop Pack essay awards are presented each year to students producing the most interesting, logical, and significant forestry articles for publication. Winners for 1938 were George M. Hansen first, \$40.00; Roy Elmgren second, \$24.00; L. Lisle Walker third, \$16.00. 1939 winners were Larry Gangle and Bruno Berselli, tying for first, \$32.00 each; and Bruce Starker, who received \$16.00.

The Kelly Axe Trophy for 1938, a cruiser's axe, was awarded to Glen Thompson on the basis of being a

(Continued on page 74)

Wood Products Productions

WITH the growing recognition of the importance and need of college trained men in the wood products field, necessity for contacts and closer unity with industry became very apparent this year. From a class room discussion by wood products students, the possibilities for a Wood Products Club were first visualized.

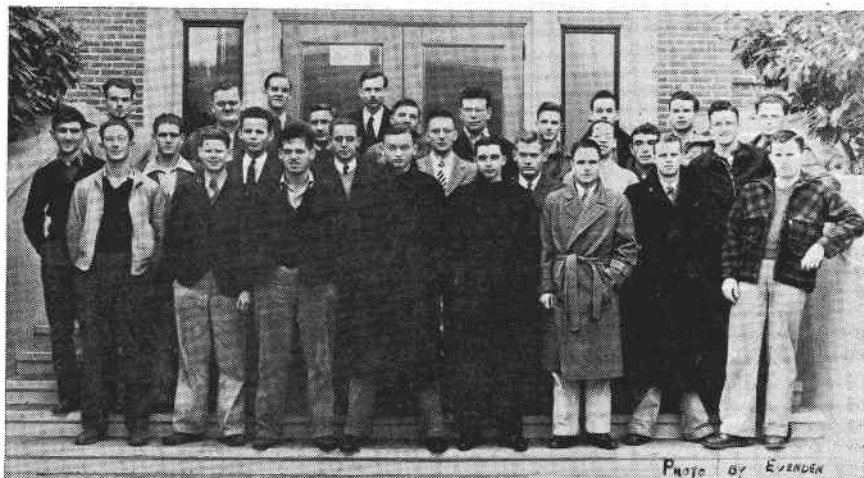
And so on December 6, 1938, forty men organized the Wood Products Productions, Inc. In demonstrating the effectiveness of the sawmill set-up type of organization, the following officers were created with those in office listed: General Manager, Dick Fry; Superintendent, Maurice Isted; Office Manager, Arthur Newberg; Sales Manager, Sam Davis; and Personnel Manager, Eugene Tower. A board of directors was also elected to formulate working plans and determine the policies of the organization.

The board of directors later defined the purpose of the club as: the pro-

motion of friendly contacts with wood products industries, the furthering of professional knowledge, the promotion of fellowship and morale among Wood Products students, and the establishment of placement promotion.

Articles in nation-wide periodicals concerning this club have resulted in numerous inquiries and encouraging comments. By making Northwest lumbermen aware of the Wood Products Department, cooperation is already assured in placing students for summer work. During the Fernhoppers' Banquet, the club arranged displays and other publicity. An aid to student study is the library of equipment and machinery literature maintained by the club.

Interesting talks and informal discussions on current topics by club members and outside speakers have characterized the club meetings. With Bob Evenden and Glenn Voorhies as club advisors, the men of Wood Products are out to give their department and the School real recognition.



N. Y. A.

I N order that students who could not otherwise come to college may work part time, the National Youth Administration allots a portion of its funds to the colleges of the United States. This money is used to do jobs that otherwise could not be done. Oregon State receives a portion of the allotment and distributes it to students in need of financial assistance.

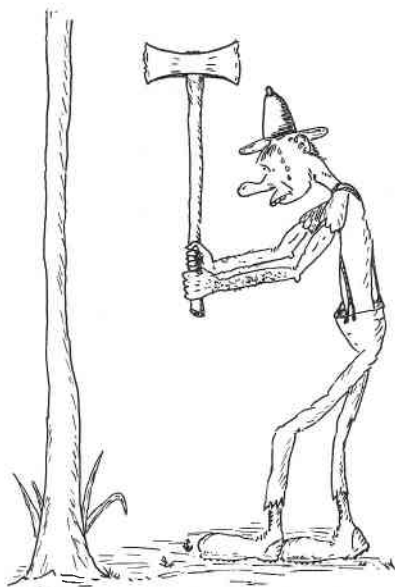
During the four years of the N.Y.A. from fifteen to forty forestry students on our campus have had work annually because of these funds. A few of the men have been assigned to other departments to work; but most of them have worked on the McDonald Forest survey, the Peavy Arboretum inventory, a seedling count, or other jobs within their field.

Through the past year, from twenty to thirty men have been employed. Of these, three have been helping Prof. Voorhies in his wood seasoning experiments, one man has been assigned to help Bruno Berselli in the instrument room, one has helped Miss Liddle in the office, and the rest have worked on the McDonald Forest or Peavy Arboretum.

The field work on the McDonald Forest survey, Peavy Arboretum inventory, and seedling count has been done on Saturdays. There has been work in the office for those not able to work on Saturdays.

This year the crew finished the McDonald Forest survey. The results are a typographic map, a type map, a ten per cent cruise, and a site indication for seven thousand acres in and around the School's property.

The Arboretum inventory, after being discontinued for two terms, was resumed at the beginning of spring term. The project should be nearing completion by the end of the school year and will give a basis for



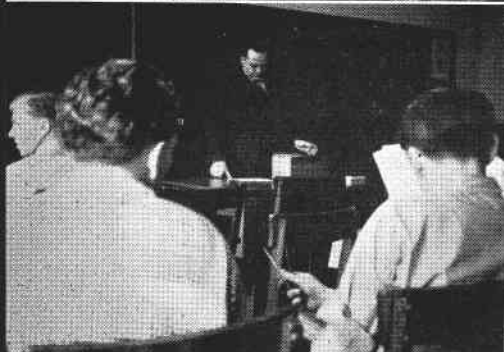
survival and growth studies of the planted stock on the area.

Both the McDonald Forest survey and Peavy Arboretum inventory have been under the faculty supervision of R. S. Kearns, Asst. Prof. of Forestry.

A seedling count on the bald areas of the McDonald Forest commenced at the end of winter term. The information obtained will be used in planning a planting program.

For the past year the work of the N.Y.A. crew working in the field has been under the student foremanship of Lu Alexander, with Herb Sampert as the general advisor. The field foremen were Allen Berg and Bill Freed, sophomores, and Dale Harvey and Bert Udell, juniors. Herb Sampert was the supervisor of the office work until Gordon Black assumed these duties to allow Mr. Sampert time to start the seedling count project.

The Willamette National Forest in Oregon with its 40 billion board feet, log scale, has more timber than any other national forest in the continental U. S.

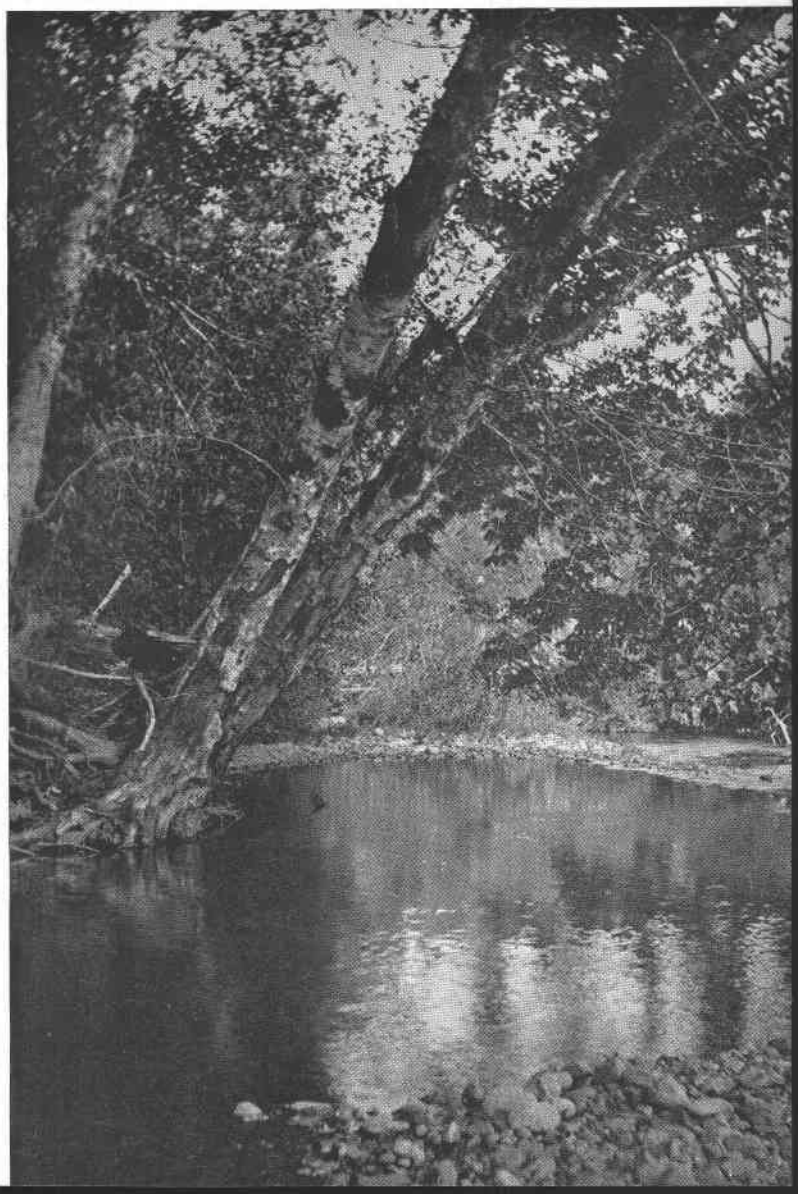


Fire School in the Siskiyou
Evenden "lays down the law"
Walker Ficken Yeater
Field trip to a logging operation

Schroeder's Arboretum Day Crew
Longwood on his Shasta Lookout
Alva using his Larnin'
"Mense" lab
Russell takes a peep



RESEARCH



The Great American Paradise

By Julian Lee Rayford

III

CHIEF KICK-IN-THE-SHIN, THE FLATFOOT

That day I'm telling you about, Paul he met a Chief
he was a real Inyian Chief, he was a Flatfoot Inyian,
and he had two brothers that was Chiefs the same as him.
One of these brothers he was Chief Many Suits a Clothes
cause he had 569 suits for business wear
and 237 suits for holidays and Saddy nights and Sundays.
Now the third brother he was Chief No Clothes
on account a he dint have even a diaper to wear.
This Chief Kick in the Shin, he was a Flatfoot Inyian,
and his tepee it was in Fallen Arches, Arizona.
He was a damn sight bigger'n Paul so Paul he quizzed him.
But all that Kick in the Shin would say, he'd say, "Unh!"
Til after awhile he cut loose he spoke English like a perffessor.
He challenged Paul Bunyan to a contest
to see who is the best all around man.
So they decided to jump and it's Paul's turn to jump first.
Well, by God you won't believe it but Paul jumpt
he jumpt so high he went past gravity,
yes sir, Paul Bunyan jumpt past the Law of Gravity,
and the Chief he reacht him back.
His arms just could reach the seat of Paul's britches.
After that they decided as how they ought to swim and dive.
It was Kick in the Shin's turn to dive off first,
so he tuck a short run back into Californi-ay
dove off at Newport News, Virginia.
And I be damn if it ain't the truth!
the old Flatfoot he come up under Mount Everset,
the Everset is in them Hindu Hot Tamale Mountings.
They is additional a Mount Everready, like the safety razor,
but I never hear un tell of it yet, so I ain't sure.
Well, they soon seed they was too athaletic
to do what they could do, so I god they had to quit.
Then they rigged up a new contest it was like this here:
them days the world it was oblong and not no round
and they decided to see who can squeeze it into a ball.

(Continued on Advertising Insert)

Forestry School Research

By Gene Knudson

WHEN speaking of progress in and about the School of Forestry, on the Peavy Arboretum, McDonald Forest and at the college dry kiln, credit must be given to the inquiring minds of professors and others which has resulted in about two dozen major, and many more minor, research projects. In recent years, the Arboretum C.C.C.'s have assisted greatly through their work in the Forest.

It appears easy to set up a research plot and return in a specified number of years to observe the results, but many pitfalls have been encountered. New roads have necessarily been surveyed through series of plots, either totally or partially destroying their worth. Fires and destruction of markers have also upset the "dope bucket" on several projects. However, in spite of obstacles, the School of Forestry is consistently accumulating valuable research data for this region.

Pioneering this program of research on the Peavy Arboretum and McDonald Forest was Prof. Starker's Post Farm. Started in 1927 on the hill behind the nursery with a few posts, it has been added to until now several hundred posts are rotting or have rotted away on the site. Posts made from all the native species have been set, both treated with preservatives and untreated, to determine their durability. An eleven year progress report is under preparation by the School of Forestry and the Engineering Experiment Station. Fire threatened destruction of this project within recent years.

The Ponderosa Pine Race Studies on the former bald spot are really showing the country something on races in this pine. As an Eskimo is adapted to the Arctic, so are certain

races of ponderosa pine adapted to the Willamette valley section. This worthy project is carried on in cooperation with the Pacific Northwest Experiment Station.

It sounds easy to scrape the litter off of a small area and dump it on the adjacent one, but memories of the establishment of Soutrage Plots are of tons of material and creaking joints. Three plots were set up: one left for a check plot, one with the litter removed, and one with a double layer of litter with the object to determine where reproduction was the more dense.

The Douglas Fir Thinning Plots were established in 1927 on the Peavy Arboretum and are giving some good information on response of Douglas fir to release. These plots are measured every five years and, as yet, have not been under observation for sufficient time to draw accurate conclusions.

Only fifty percent of the Forest Genetics Study survived the fire caused by the C.C.C.'s in 1936. These plots are under supervision of the School faculty. The seeds were furnished by the Eddy Tree Breeding Institute (now the Institute of Tree Genetics) and planted in the Clarke-McNary Nursery.

In 1927 the Borggreve Thinning Plots were established by Prof. Starker with the assistance of the silviculture students. Large, limby, dominant and co-dominant trees that were interfering with the growth of higher quality intermediate trees, and all suppressed trees, were removed. Thirty-seven cords of wood were removed from one acre. The remaining trees were pruned up 30 feet. Mortality is checked annually, and measurements of increment are made every five years.

For the past three years, work,

under supervision of Prof. R. S. Kearns, has been progressing on an inventory of the McDonald Forest. An average of twenty N.Y.A. students under field supervision of such notable "Bulls of the Woods" as Ray Kimmey, Sam Mammano, Herb Sampert, and Lu Alexander have done the field and office work, which is expected to be completed this year. Not only is this resulting information going to be extremely valuable in devising a management plan, but the work supplied by this project has helped many students finance their college education.

The Peavy Arboretum Inventory differs materially from that for the McDonald Forest. Every planted tree is mapped in place with notations as to species, height, vigor, and diameter. This is a very intensive survey and at the present is approximately two-thirds finished.

Last fall (1938) two acres of Douglas fir seedlings were planted for the Christmas Tree Study. One acre is planted so as to be cultivated, and the other acre will be left in untreated forest conditions. On each acre the seedlings were set out with one third of the acre spaced 2 ft. by 2 ft., one third spaced 3 ft. by 3 ft., and the remaining third spaced 4 ft. by 4 ft. Records as to economic returns under intensive management are the main objectives of this plantation. This project should be heralded by all Californians, as the little trees will be marketed there by a co-operator; something fresh and green down South should really be appreciated.

Following is a list of other major research projects set up and maintained by the School of Forestry: Black Locust Plantation, Douglas Fir Spacing Study, Stand Improvement Plots, Methods of Pruning, Snag Falling Study, Rate of Decay in Slash and Logs, Natural Seeding Plots, Girdling and Tolerance Study, Meth-

ods of Planting, Plant Succession on Douglas Fir Burns, Selection Logging Plots, Douglas Fir Liberation Study, Ponderosa Pine Pruning Study, and Wolf-tree Eradication Studies.

On the O. S. C. campus the Wood Products Department has been running many experiments on kiln schedules for native hardwoods with good results. Considerable wood strength testing has been carried on by Instructor Voorhies and the "nut-cracker" machine in the Forestry Building.

Much valuable information has been obtained from these studies up to the present; and when sufficient time has elapsed to draw accurate conclusions, much will be added to the science of forestry in the Northwest. Cooperation of the faculty with the State Forest Nursery, State Forester's Office, and the United States Forest Service has made it possible for these projects to be carried on with such precision and diversity.

McDonald Forest Survey

Compiled by Wally Anderson

Species	1000 bd. ft.	Poles	Cords
Douglas fir	39,306.09	47,384	17,018.47
White fir	1,530.45	1,060	
Oregon maple			11,891.43
Oregon oak			4,495.49
Red alder			468.29
Oregon ash			15.50
Madrone			160.00
Poplar			14.30
Willow			6.00
Yew			2.32

Site Study

Acreage and percentages of site were roughly prepared to give a summary of site conditions. They are as follows:

Site	Acreage	% of Site
I	234	3.8
II	1394	24.2
III	2839	46.6
IV	1479	23.2
V	134	2.2
	6080	100.0

From the Silvicultural Notebook

By T. J. Starker

*SOUTRAGE PLOTS

Fisher has said, "Nature will best respond to a logical and carefully thought out questionnaire; indeed, if we ask her a single question, she will often refuse to answer until some other topic has been discussed." And this is the way it seems on these soutrage plots. We asked Nature a direct question: "What will be the effect upon the trees when all of the litter is removed from the forest floor and placed on an area of equal size?" Thus far the answer cannot be determined. Probably nature will answer in another five or ten or fifty years. However, nature gave us some other answers.

If you will consult your old "Cruises," you will find that these soutrage plots were laid out in February, 1934—five years ago—and consisted of three one-quarter acre plots. One plot was a check, one had all the litter removed down to the mineral soil, and this litter was deposited uniformly over the third or accretion plot. The timber was second growth Douglas Fir about 38 years old and estimated as low site III. Twenty-five trees on each plot were tagged with metal tags and diameters recorded.

In the five-year period there was an increase in D.B.H. growth of .40 inch in the check plot; .51 inch in the "removed" plot and .54 inch for the plot that received the deposited material. These were gross increases and included all trees. However, during the interim of five years, there were two trees lost from various causes from each of the three plots. This resulted in a minus D.B.H. growth of .35 inch, 1.02 inch, and .35 inch re-

spectively. Thus, the net growth on these three plots was minus rather than the 400-600 or 1000 board feet plus we usually claim for Douglas fir.

To the casual traveler through the forest the plots could not be told apart in their present state. Breakage from the snow of October, 1936, has covered the ground with so much debris that a second look is necessary to tell the difference. This heavy, wet snow broke nine of the twenty-five tree tops on the check plot, eight on the removal plot, and ten on the accretion plot. This, apparently, is a hazard that the Douglas fir grower in the lower elevations of this region must expect. Broken stubs on the older forest trees in this same region indicate that there was a similar wet snow about twenty years previous.

It is planned to remove the debris and accumulated litter again this spring and put the plots in a similar condition to what they were five years ago.

Upon careful examination of the soil, particularly where no tops had fallen to cover the ground, the two plots told a widely different story. On the removal plot the soil was caked and dry on the surface; it was arranged in fine particles and contained few earth worms. Under the heavy litter of the accretion plot, the soil was moist and arranged in a crumb structure with many earth worms.

This difference in soil condition should eventually affect the trees, and some day Nature may answer the question regarding the removal of the litter from her forest floor.

*Soutrage—French word for forest litter removed by peasants.

HISTORY OF FIRES ON McDONALD FOREST

In an attempt to utilize the ring recordings of the wolf trees of the McDonald Forest it was apparent that they showed a fire history of an interesting pattern.

Eight stumps of various sizes were measured and recorded. These were stumps of trees recently felled for cordwood production by valley settlers. Five of these trees were located along the southern edge of the forest in Sec. 36, T.10S., R.5W., and three were located in the saddle area in Sec. 4, T.11S., R.5W.

These stumps varied in size from 3.4 ft. to 6.8 ft. D.O.B., and from 121 years to 331 years of age, with no additions made for the years required to reach stump height.

In examing the data of the accompanying tabulation, it can be seen that the area has been subject to fire for at least 291 years or since 1647, further, that no 50 year period has been free from fire. It is likely the two fires recorded for 122

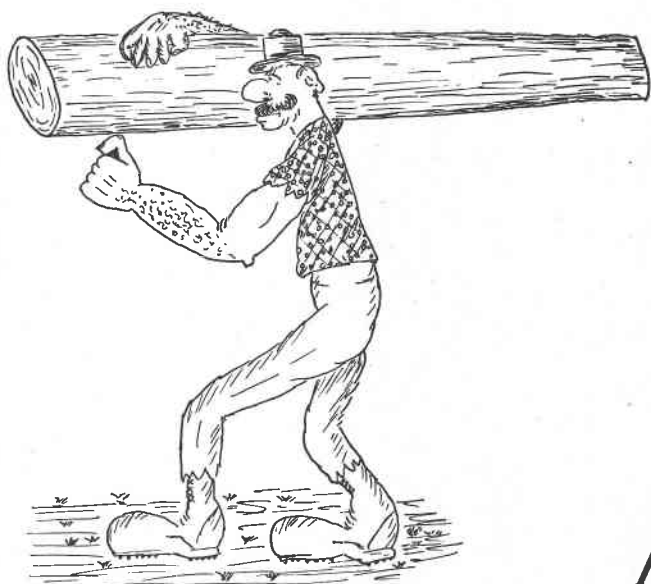
and 119 years ago are the same fire, due to the difficulty of counting exactly or in determining the year in which the charring occurred.

The number of trees that show a fire 90 years ago (1848) is of most interest to us, together with the fact that there apparently have been no large fires of recording intensity since that date. This fact is borne out, as the surrounding second growth is up to 80 years of age and probably would have perished if fires had occurred

A wafer of stump No. 6 is part of the large log display in the west basement of the Forestry Building.



Stump No.	Total Age Apr. 1938	D.O.B.	D.I.B.	BURNED—Years Previously				
				100	101- 150	151- 200	201- 250	251- 300
1	252	6.3	5.0	92-98			233	
2	211							
3	213	5.7	5.	90		165 178	206	
4	252	5.3	4.4	90	122		223 244	
5	228	4.1	3.4	90	119		219	
6	331	6.8	5.9			187 194 199	209 210	291
7	125	3.5	2.9	90				
8	121	3.45	2.95	77				



ALUMNI

Tribute - Letters - Questionnaire - Directory



The Great American Paradise

By Julian Lee Rayford

IV

THE BOILED FISH JAMBOREE

They is one story about Paul Bunyan is such a good un
you owe it to yourself to hear it right now.
Paul he was the greatest American ever lived.
When he was logging off the Canadian border
I god he went so durn fast he had to give ever man
he had to give him seven axes apiece.
Cause it was necessary, that's why,
and that's how come, too.
Cause them axes they'd git hot, git so hot
maybe the'd a burnt up,
so they had to chunk 'em in the river to cool off.
Well you know, that give to Paul Bunyan a grand idea.
It were so good you wouldn't believe me how good it were
even should I tell you.
It were like this:
now Paul Bunyan's cook shanties they moved so slow
they could not keep up with the axemen,
so they was allus without hot vittles,
and that is how Paul come to git this idea.
He got the idea he'd feed 'em on boiled fish.
You know why?
Cause them axes they got red hot they choppt so fast,
and when they hit the water they boiled the water hot,
and the fish'd come up fresh cookt to the surface.
All Paul had to do he'd squeeze lemons
and pur ketchup in the river, sprinkle salt and pepper,
and the fish could be et soon as they come up.
And some a the fish stayed under so long they got baked
and they was the best of all.
It was so good you et mock turtle soup right out a the shell,
them mock turtles they seed commercial possibilities
and sold theyselfs to the Heinz 57 Company
and now they're all in cans, but it used to weren't so.
But it was too much of a good thing.
Got to where Paul's men would faint dead away
if they ever smellt a fish, and if they seed one
you jest could not bring 'em to atall.
So they threatened to go on strike for honest to god real food
and Paul had to bring up the camp wagons
and reinaugurate butter beans and hot cakes.
That was the Winter Paul bred a moose to a wolfhound
and got a pup so big he caved in through 27 feet of ice.
the ice was that thick on the river.
That dog so big that whenever he howled or barkt
you could hear him all the way to Argentina.

—Courtesy Esquire

The Class of 1910

The First O.S.C. Forestry Graduates

By T. J. Starker

THE Class of 1910 naturally was "tops". We started the ball rolling. We had the first spring field trip down to Goble, Oregon. We started the Forestry Club. We had girls up to our feeds on the "heaventh" floor of the Chem Shack. We had a Forestry Club pin. We gave President "Dean" Peavy trouble for a whole four months before we graduated. Every one of us was President of the Forest Club before we graduated. It was made up of four members: Jack Pernot, Harold Gill, Sinclair Wilson and T. J. Starker.

The real scientist of the quartet was Jack Pernot. By profession he was an entomologist. By avocation he was an ornithologist, taxidermist and general all around precise scientist. Unfortunately, his career ended early as he was killed by a runaway saddle horse in 1914 on the Deschutes National Forest while in the company of Allen Hodgson who recently died in Portland. Pernot Peak is named in his honor.

Harold Gill, the gray-maned member of the class, was a sailor and not a dyed-in-the-wool forester. While Peavy lectured, he drew pictures of sailing schooners and his mind travelled to the salmon of Alaska where he had worked a couple of seasons. His liking for fish still remains as he writes his name with a flourish that makes the "G" look like a humpy about to strike the bait. But how could he help liking fish? His father

was an authority on Northwestern fish and even Harold's last name is part of a fish. He now gets lots of fun out of selling books and things at J. K. Gill's book emporium in Portland.

S. A. Wilson, lovingly known as "Weary," was a campus leader while at O. S. C. He was editor of the *Barometer* and influenced student opinion. After graduation, he went back to Ann Arbor to study law. He roomed with his classmate T. J. This latter was too much for him for he only stayed one year. He married and turned banker and surgical supply man. As regards higher education, his children have been impartial. One has graduated from O. S. C., one from Oregon, and one is going to Reed. The fourth has yet to make his decision. Wilson came back into the forestry fold a few years ago and is now Senior Forest Economist at the Pacific Northwest Forest Experiment Station. If you want to know why land goes tax delinquent, ask S. A. Wilson.

The last member of the class is T. J. Starker who came to O. S. C. the second time in 1922. You all know him as "The Prof.," who plugs along trying to get the boys over the J. F. hurdles and to carry away enough sound forestry to hold down a job.

(Editor's note—Early records disclose that "Prof" was affectionately known as "Peach-fuzz" to his classmates.)



Letters from the Alums

J. W. Medley, '21, dropped us a line to let us know he was on a recent trip to Alaska and Washington while with the Treasury Department and was sorry when he left the Pacific coast to return to Washington, D. C.

Wally Wheeler, '33, is the father of a brand new baby girl and is now stationed at Liberty Ranger Station, Cle Elum, Washington.

"Tubby Hole, '38, was engineering aide at the C.C.C. Camp Entiat, Brief, Washington, last winter. In addition he had the job of safety assistant. Says Tubby, "When I see a boy handling an axe or file in the wrong manner, all I have to do is show him the many scars on my hands and say, 'See what happens!' Speaking of safety first — there is a concerted drive on now to eliminate accidents in both the C.C.C. and Forest Service."

From James W. Thompson, '36, a J. F. working on the Hines timber sale at Seneca, Oregon;—"Please tell Prof. Starker that we are hunting for a log of bird's eye pine to come through the mill; and when we find one, I'll send him the cross section which I promised him."

John E. Weisgerber, '34, sends regards from Willow Spring, Missouri, where he has a J. F. appointment in the C.C.C.

Arthur W. Wirch, '36, district ranger at Grangeville, Idaho, took time off to send word in to the Fernhoppers' stronghold. "In the press of 'must' jobs, I realize I've temporarily lost contact with dear old Alma Mater. From now on my address will be more permanent."

W. Howard Campbell, '38, J.R.E. with the Soil Conservation Service at Madras, Oregon, is very pleased with his job and finds the work interesting. Campbell announces he was married January 9, at Walla Walla, Washing-

ton. "Don. C. Rohn, '38, supported 'we' at the ceremony."

J. Renfrew Stevenson, '37, who was with the Forest Service at Deadwood, S. Dakota, is now assigned as shelterbelt assistant at Rushville, Nebraska. Stevenson writes that the fire problem in this region (S. Dakota) is simple compared to the more western regions, so that more time is devoted to other phases of forest management.

Sherman Feiss, M.S.F., '36, J. F. at Lakeview, Oregon, sends in this bit of philosophy: "The chief assets of a forester are knowledge of psychology and philosophy. (The wife says knowledge of subject matter—to a certain extent—is necessary, but I'm not always too sure of this.) I hope that you are continuing and expanding the seminars we used to have. A little sagebrush philosophy goes a long ways towards solving extraordinary as well as ordinary problems. As J. P. Morgan points out, 'A man has two reasons for doing something—a good reason and the real reason.'"

Oscar Heintz, '38, assistant camp superintendent with the Soil Conservation Service at Madras, Oregon, is still studying and has a pretty bright outlook. His biggest worry is the social condition of the men he works with, the poor housing for their families and inadequate pay.

Therone I. Faris, '35, J. F., has been recently transferred from Oklahoma to the Soil Conservation Service in South Carolina. He was working on the prairie states forestry shelterbelt project. He reported to his new job in South Carolina February 4, and has not had time to get in the "know" as yet.

Forrest W. Jones, '37, Junior scaler at Lowell, Massachusetts, has been there since January 10. New England farmers, he says, are hard boys to deal with. They see that the govern-

ment doesn't get the best of the bargain.

W. I. Petterson, '34, J. F. with the Forest Service at Medford, Oregon, hopes to continue his education at the University of California.

Philip L. Paine, '28, assistant to the division chief of personnel management of the Forest Service at Portland, Oregon, enjoyed his recent training assignment at Washington, D. C. It dealt with personnel classification and analysis of positions and was conducted in the various divisions of the Personnel Director's office of the Department of Agriculture.

H. Robert Mansfield, '31, J. F. on the Umatilla National Forest at Pomeroy, Washington, states that his biggest job as assistant ranger in the Asotin district is to draw up a plan of management for timber sales. Sales amount to around one million board feet a year, and no one sale is over thirty cords. They consist of posts, poles, and cordwood.

Virgil Heath, '37, sends this interesting account of Alaskan forests: "My sins caught up with me so I am now a patient in the United States Marine hospital in Seattle. I injured my hip last November so here I be. I think I will be out in a few more days. Alaska was not what I thought it would be. There is a lot of country that you can't even call God's country. A year or two spent in Alaska, if one is lucky enough to get over a lot of country, is an experience worth a great deal. I am leaving Fairbanks when I go North again to be district ranger on the Keni District, which has the best hunting and fishing in Alaska. My headquarters will be at Seward. The forest is the Chigach. There are supposed to be from five to nine thousand moose on the district, although I did not count them. Part of the Chigach Range of mountains, which have goats and sheep on them, are in the forest. The

timber in this district is birch, white spruce and hemlock. It does not run very far back on the mountains, and it is open and clear. You can walk through it any place without trouble if the mosquitos will leave you alone. I have wiped more mosquitoes off of my nose at one swipe in Alaska than I had ever seen before in my life. When you get around a swamp, they are really terrible."

Adolph C. Byrd, '29, is still working for the Hines Lumber company at Hines, Oregon, although he has moved to Burns with his wife and two young Fernhopperettes, Joan, six years, and Janice, two years of age.

Walter J. Puhn, '32, is now district ranger of Mt. Pinos District, Los Padres National Forest. He was transferred from the Cuyamo district of the same forest in February of this year.

U. L. Corbin, '35, says, "hello," to the bunch. Nothing new out his way except three feet of snow last winter. He is still the "boss" on the Remer District, Chippewa National Forest, Remer, Minnesota.

Delbert "Pop" Day, '23, manager of the Annual Cruise eighteen years ago, says it seems just like yesterday to him. He is now local manager of the Shell Oil Company in Tillamook, Oregon and, instead of laying out logging railroads, lubricates their equipment. Other nearby Oregon State Fernhoppers are Bob Auferheide, '35, forest ranger at Hebo, Oregon, and Staples, '33, of the Tillamook Credit Bureaus, Inc.

Paul E. Freydis, '14, gives us a few highlights on logging in Arizona. "About all I can say is that we have a real logging problem here. We log at an elevation of 7500 to 9000 feet with 'cats' and horses and one double drum gas donkey. There are both wildcats and deer here, but we don't use them to log with. Just now, February, we are skidding logs with

'cats' in rough country with three to four feet of snow. Transportation is both by rail and by large dual axel drive trucks. We cut government timber entirely under a sustained yield management basis, therefore log only two-thirds of the stand selectively." Mr. Freydis is vice-president and logging manager of Southwest Lumber Mills, Inc., and vice-president of the Apache railway.

We understand there are some pretty tough logging shows in other regions. Can anyone give us a line on one of them next year?—Editor.

According to Charles W. Fox, '27, of the Evans Products Company of Marshfield, Oregon, the operators of this company are rather unique among the wood products manufacturing operations in that its main item of production is wooden battery separators manufactured from Port Orford cedar. They also operate a Venetian blind slat factory and a Port Orford cedar sawmill. The manufacturing of Port Orford cedar into battery separators is very highly specialized in that the requirements of separators are far higher than most wood products. Mr. Fox is general superintendent in charge of operations.

Boyd L. Rasmussen, '35, has been transferred from assistant ranger on the Detroit district, Willamette National Forest, to district ranger on the Port Orford district, Siskiyou National Forest, at Powers, Oregon.

Roy C. Elmgren, '38, now taking graduate work at the U. of Michigan, thinks the forest school there is excellent with a capable faculty and a good library. The chief handicap is the lack of an adequate school forest.

The school forest areas are stocked chiefly with hardwoods, though there are some plantations of northern white pine, black spruce, ponderosa pine, and red pine. The forest areas are surrounded by farming lands and

are so small that an Oregonian often longs for the timberlands of the Northwest.

Strong divisions within the school are the wildlife and forest management courses. Roy says, "Impossible though it may seem, I believe forest management students come out of Matthews' class even more perplexed than do the seniors at Oregon State after listening to Dick Kearns rattle off management for an hour."

Eric H. Garman, '27, of the British Columbia Forest Service, informs us that "another prospective fernhopper arrived on this scene last November 10. His name is Graham Eric Garman."

Eric also writes of fellow Oregon Staters in the British Columbia Forest Service. "Findlay McKinnon, '29, is going right ahead in charge of the newly formed Division of Forest Economics. George Hopping, '25, was in these parts the other day on business in connection with his job of keeping the forest insects 'hoppy' at the Dominion Entomological Laboratory of Vernon, British Columbia. Hec. Richmond, '28, likes his recent appointment in charge of the entomological laboratory at Winnipeg, Manitoba, very much.

"Harry Forse, '34, last year succeeded to the superintendency of the Forest Development Project here, which is the C.C.C. of British Columbia. It is run by the Province on a co-operative basis with the Dominion Government, and Harry is the director."

M. L. Holts, '28, has been transferred from the Siuslaw in Oregon to the New England states. His job is regional training officer in the United States Forest Service. He writes that they are trying to salvage as much as possible of the blown-down timber, estimated at about two and one-half billion feet. "The down timber creates quite a fire hazard so

we have a big protection job ahead of us. We (the U.S.F.S.) are cleaning up hazard areas, organizing suppression crews, etc." Several other Oregon State men are on the job there.

The term "Fernhopper" is almost lost in the memories of DeWitt Jones, '23, since he has not heard woods talk for a long time. Jones' work has taken him to many places in the past few years. A letter sent him by the Annual Cruise had six addresses on it when he received it at Joplin, Mis-

souri. Regarding the local timber, he says most of the trees in southwestern Missouri are scrub oak with an occasional good wood lot.

People of the Ozark country have their own vocabulary, according to Jones. The picture, "Jesse James," which had its local shots taken just fifty miles from Joplin, did not portray the Ozark speech. Most of the hill-billies drove down to see Pineville while the picture was being filmed.

Mason's Answer to the Alums

Editor's Note—During the past year, the School of Forestry has sent questionnaires to alumni which asked each alumnus to indicate the subjects which have been of greatest use to him since graduation. Alumni were also asked to suggest which would be of benefit to foresters if added to the present curricula. In this article Mr. Mason has given the groundwork upon which the school is proceeding.

"I isn't necessary for me to go into the details of the present day district ranger's job as you are already aware of that; but I mentioned the changing conditions because apparently the old School of Forestry is changing, too. Trying to keep one jump ahead of the whole scheme is a healthy state of mind." Thus, we have a typical reaction of our alumni to the current efforts to improve our curricula.

The first questionnaire was mailed during the summer season. The response was so gratifying and the comments made were so pertinent that we were able to devise a much better questionnaire which was mailed out in January, the returns from which have been greater than expected.

The first questionnaire, upon scoring, gave us the following data:

1. That added instruction is needed, particularly in the fields of grazing, recreation, public relations and personnel management.

2. That public speaking is an essential course. It, together with course work in grazing, is much more important than work in forest entomology, forest pathology, or the other sciences.

Comments made on the questionnaire returns were many and varied. One or two returns, for instance, reflected the belief that certain types of work, such as personnel management, could not be taught well in college. Occasionally, the idea was expressed that work in such fields as protection was adequately covered by instruction in the U. S. Forest Service and need not, therefore, be taught in college. The major impressions gained from reading the comments, however, are fourfold:

1. That the alumni are very much interested in helping in any feasible way.

2. That factual courses are not as valuable as is often supposed. Thus, we have the following comments:

"Less memorizing of groups of non-basic facts, more stress on fundamentals, where to get information, and how to use it."

"As I see it, all college courses, especially forestry courses, should accomplish three things: (1) Arouse interest of the student in that sub-

ject; (2) Develop a general background of knowledge in that field; (3) Tie the knowledge to specific local problems."

"The forestry profession is only as limited as the minds of those who engage in it."

3. That there is a need for further study after graduation. In this regard, the suggestion has been made that the School organize some special courses for alumni to be given during the month of January. It is interesting to note that the University of Michigan is seriously considering such a program.

4. That there is a fairly well defined difference between the training desired by those in administrative work and by those in research work.

Unfortunately, we have not as yet scored the second questionnaire. Returns are still coming in.

We are, in the meantime, going ahead with our curriculum work in two directions. First, we have changed our required courses in accord with the data obtained from the first questionnaire. Secondly, we are making plans for a more complete and thorough study of the curriculum problem.

Our tentative plan of procedure is to determine first the essential attributes of a forester. This will include not only the subject matter which he should know, but also his essential attitudes and mental activity.

As soon as our survey has indicated to us the nature of a professional forester, our next task is to arrange the courses into the most logical order possible. As a forerunner of this stage of the work, the staff have been busy working out a technique of analyzing courses and setting up

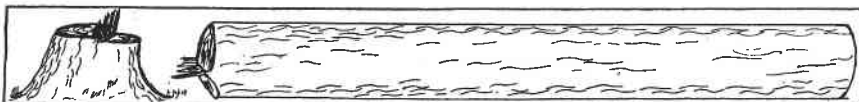
objectives for each course. We still have a good deal to do before we are sure that our courses are properly arranged from the standpoint of producing an ideal forester and, at the same time, give each student the optimum chance to mature in his chosen field.

Finally, we must make sure our curricula are implemented properly in the classroom. Comments on the questionnaires indicated the importance of this phase of the problem. Common sense, likewise, would say that unless proposed changes actually reach the classroom, the work of improving the curricula may be largely abortive.

The alumni questionnaires have been extremely valuable in pointing the way toward this work of "making each curriculum professional in nature and scope." We have no intention of negating any of the principles of education which have been found sound in American education. Our whole endeavor is to replace the arm-chair method of building curricula with a scientific approach. To do so we need all the factual material possible. For this reason, we appreciate greatly the response of the alumni to our efforts to get some of the essential data.

We do not expect to make sudden or radical changes in the curricula. Our present curricula are as good as any in the country and need only to be adjusted to the changes which have occurred in the last few years. We do hope to make the work as functional as possible to the end that at Oregon State each and every course will have a purpose to perform—a function that is recognizable, and one that plays an important part in training the embryo forester.

—E. G. Mason



ALUMNI DIRECTORY

Editor's Note—The Alumni Directory is compiled from information received from you in the field. Its completeness and accuracy is dependent upon your cooperation. If you are changing your address or position or have news to tell, we will appreciate a letter so that we may include it in the directory. It is by such means that we keep the directory up to date.

1910

- Gill, Harold D.—B.S.F., J. K. Gill Co., Portland, Ore.
 Pernot, Jack F.—B.S.F., Deceased, 1914.
 Starker, Thurman J.—B.S.F., M.S.F., (U. of Mich.) '12, Prof. of Forestry, School of Forestry, Oregon State College, Corvallis, Ore.
 Wilson, Sinclair A.—B.S.F., M.S.F. '30, Senior Forest Economist, N. W. For. Exp. Sta., New U. S. Court House, Portland, Ore.

1911

- Barbur, Harold H.—B.S.F., Deputy Co. Sheriff of Mult. Co., 3758 S. E. Carlton, Portland, Ore.
 Eberly, Howard J.—B.S.F., Dist. For Inspector, 1712 Pere Marquette Bldg., New Orleans, La.
 Nilsson, Adolph—B.S.F., Snider Ranger Station, Port Angeles, Wash.
 Raithel, Wm. F.—B.S.F., Reported deceased, Mar. 1937.
 Totten, Benj. B.—B.S.F., Deceased, May 1, 1937.

1913

- Dutton, Walt L.—B.S.F., U.S.F.S., Chief of Grazing, Wash., D. C.
 Turlay, Harold S.—B.S.F., Manager, Uptegrove Lbr. Co., Astoria, Ore.

1914

- Chrisman, Robert J.—B.S.F., Farmers' Auto Inter-Insurance Exchange, 924 Baltimore Ave., Kansas City, Mo.
 Cronemiller, Lynn F.—B.S.F., F.E. '36, Ext. For., Salem, Ore.
 Emery, Lee Earl—B.S.F., McMinnville, Ore.
 Evenden, James C. — B.S.F., F.E. '36, For. Entomologist, U. S. Forest Insect Field Station, Coeur d'Alene, Idaho.
 Freydis, Paul E.—B.S.F., B.S.L.E. '17, Vice Pres. in charge of logging, Southwest Lbr. Mills, Inc., McNary, Ariz.
 Hayes, Marshall C., Jr.—B.S.F., Deceased, 1918.
 Miller, Carl N.—B.S.F., Bank Cashier, Wall-owa National Bank, Enterprise, Ore.

1915

- Anderson, Edmund G. — B.S.L.E., Deceased, 1923.
 Bates, Edward G.—B.S.F., Elco Dairy, Rt. 6, Box 1160, Portland, Ore.
 Blackden, Ralph S. — B.S.F., Teacher, 4116 Sherman Way, Sacramento, Cal.
 Chamberlain, Willard J.—B.S.F., M.S.F. '16, Ph.D. (Stanford) '28, Asst. Prof. Entomology, O.S.C., Corvallis, Ore.
 Chapler, R. H.—B.S.F., Sec. & Mgr. Ore. For. Fire Ass'n. Porter Bldg., Portland, Ore.
 Chase, Ernest—B.S.F., Deceased, 1935.
 Culver, Benjamin C.—B.S.F., Special Representative, American Cyanamid Sales Co., 826 Vine Ave., Park Ridge, Ill.

- Deutsch, Henry C.—B.S.F., Engr., 2345 N. E. Sandy Blvd., Portland, Ore.
 Wendover, Royce F. — B.S.F., Log. Supt., Isabella, Basilian Lbr. Co., Zamboango; P. I.

1916

- Archibald, Major Harold G.—B.S.F., St. Ignatius High School, San Francisco, Cal., Res.: 48 Carmelita Ave., Mill Valley, Cal.
 Brett, Lieut-Col. S. E.—B.S.F., Instructor, Command and General Staff School, Fort Leavenworth, Kan.
 Holmes, Frederick A.—B.S.L.E. Contruction Inspector for Harbor Dept., 48 Loyola Terrace, San Francisco, Cal.
 Hult, Gustaf W. — B.S.F., Ass't Chief For. Soil Cons., Tucson, Ariz.
 Loof, Hans W.—B.S.F., Special Agent, Standard Oil Co. of Cal., 5517 33rd St., N. E.—Seattle, Wn.
 Schubert, Ben W.—B.S.F., 2567 Jackson Ave., Ogden, Utah.
 Wilson, David M.—B.S.F., General Manager, Pihl Transfer Co., Portland, Ore.

1917

- Budelier, Clarence J.—B.S.L.E., Instr., School of Forestry, Oregon State College, Corvallis, Ore.
 Crawford, James A.—B.S.F., No address.
 Cronemiller, Fred P.—B.S.F., Asst. Reg. For., Phelan Bldg. San Francisco, Calif. Res: 2375 Cowper St., Palo Alto, Cal.
 Fertig, Chas. A.—B.S.L.E., Mgr. Feed Dept., Lower Columbia Dairy Ass'n., Astoria, Ore.
 Jacoby, Carl C. — B.S.L.E., Logging Mgr., Pacific Spruce Corp., Toledo, Ore.
 Jonasen, Olaf—B.S.L.E., No address.
 Lundeen, Arthur R.—B.S.F., Westport Lbr. Co., Westport, Ore.
 McCollum, John E.—B.S.F., Rep. Air Reduction Sales Co., %Y.M.C.A., Sacramento, Calif.
 O'Neil, Wm. J. — B.S.L.E., 114 Albemarle Road, Newtonville, Mass.
 Patton, Harry C.—B.S.L.E., Local Mgr., Hammond Lbr. Co., 627 Terminal Sales Bldg., Portland, Ore.
 Paulsen, Edward M. — B.S.L.E., 2935 S. E. Hawthorne, Portland, Ore.
 Stephens, J. T.—B.S.L.E., No address.
 Wakeman, William J.—B.S.L.E., Bureau of Internal Revenue in timber valuation and taxation work, 318 U. S. Court House, Portland, Ore. Res: 3212 N. E. 28th Ave., Portland, Ore.
 Woods, Leroy—B.S.L.E., Finance Officer, Fort Benjamin Harrison, Ind.
 Wright, Mark—B.S.F., No address.
 Yates, Lloyd D.—B.S.F., Tree Surgeon for Davey Tree Surgery Co., Los Angeles, Calif. Res: 703 S. Central Ave., Glendale, Calif.

1918

- Byers, Oscar L.—B.S.F., Deceased, 1938.
 Elofson, H. W.—B.S.F., U.S.F.S., Asst. Supt. Wenatchee, Wn.
 Hazeltine, Capt. Caryl R. — B.S.L.E. Fort Wm. McKinley, 57th Infantry, Manila, P. I.
 Johnson, Willard—B.S.L.E., Fuel Dealer 4423 N. E. 26th Ave., Portland, Ore.
 McCaffrey, Lawrence M.—B.S.L.E., Carlton, Ore.
 McCollum, Charles A.—B.S.F., Res. Mgr., Nat. Supply Co., Houston, Texas.
 Wilmot, Richard K.—B.S.L.E., Died in War Service, July 1918.

1919

Thomas, Herbert F. — B.S.L.E., Res. Mgr.,
Cobbs-Mitchell Co., Valseltz, Ore.

1920

Alstadt, George J.—B.S.F., Western Loggers
Machinery Co., Portland, Ore.
Brennan, A. F.—B.S.F., Deceased, 1936.
Holmes, J. F.—B.S.L.E., Deceased, 1935.
Mason, Earl G.—B.S.F., M.S.F. (Yale) '24,
Acting Dean, School of Forestry, Oregon
State College, Corvallis, Ore.
Matthews, Donald M.—B.S.F., M.S.F. (Yale)
'24, Pacific N. W. Forest Experiment Sta-
tion, Portland, Ore.
Regnell, Lloyd C.—B.S.L.E., Bureau of Pub-
lic Roads, Portland, Ore.
Shen, Peng Fei—B.S.F., M.S.F. (Yale) '21,
Ministry of Education, Republic of China,
Nanking, China. (1-20-36)
Smilie, Robt. S.—B.S.L.E., 85 Second St.,
San Francisco, Calif.
Storm, Earl V.—B.S.F., U.S.F.S., 2063 E.
39th St., South, Salt Lake City, Utah.

1921

Coman, Ellis S.—B.S.F., P. O. Box 160, Covina,
Calif.
Fugh, Paul C.—B.S.F., Tsing Hua University,
Peking, China.
Hayship, Earle E.—B.S.L.E., Mgr. Standard
Oil Co., Gresham, Ore.
Healy, Roger D.—B.S.F., Mgr. North Bend
Timber Co., North Bend, Wn.
Koller, Frank O.—B.S.F., Chief Clerk, Wes-
tern Cooperage Co., Portland, Ore.
Luebke, George—B.S.L.E., Log. Engr., Cros-
sett-Western Co., Knappa, Ore.
Medley, James W.—B.S.F., Technologist, Bu-
reau of Standards, Washington, D. C.
Nettleton, Harry I.—B.S.F., M.S.F. (Idaho)
'26, Ass't. Prof., School of Forestry, Oregon
State College, Corvallis, Ore.
Rickson, Carl A.—B.S.F., Siletz, Ore.
Young, Ellsworth S.—B.S.L.E., Logging Engi-
neer, Skamokawa, Wn.
Youngblood, Ross—B.S.F., Corvallis Lumber
Co., Corvallis, Ore.

1922

Chapman, Earl H. — B.S.F., Director, Boys'
work, High School, Whittier, Calif.
Gould, C. E.—B.S.F., Oregon Normal School,
Monmouth, Ore.
Holmes, Lee, S. — B.S.F., 411 N. E. 22nd
Ave., Portland, Ore.
Osborne, Gifford L.—B.S.F., Civil Engineer,
Cathlamet, Wn.
Owens, Thomas S.—B.S.L.E., Engineer, Long-
view, Wn.
Owens, William O.—B.S.L.E., Gov't Engineer,
Long Beach, Wn.
Peavy, Bradley A.—B.S.L.E., Corvallis, %
Pres. Peavy, Oregon State College.
Pryse, E. Morgan—B.S.F., LL. B. (National
University) '27, M.A. (American U.) '31,
Director of Highways, U.S.I.S., Washing-
ton D. C. Res: 6012 4th St. N.W.
Smith, Lawrence H. — B.S.F., Biologist,
U.S.F.S., Boise N. F., Boise, Idaho.
Steel, Joseph I.—B.S.F., Sec. Moore Dry Kiln
Co., North Portland, Ore.
Williams, Summer — B.S.F., Service Mgr.,
Loggers & Contractors Machine Co., 2604
N. E. 27th Ave., Portland, Ore.

1923

Cannavina, Tony—B.S.F., U.S.F.S., Glacier
Nat. Park, Belton, Mont.
Conklin, Robert—B.S.F., Chief Eng., Weyer-
haeuser Lbr. Co., Longview, Wash.

Day, Delbert S.—B.S.L.E., Shell Oil Co., Mgr.,
Tillamook, Ore.
Duncan, Gordon A.—B.S.F., Representative,
Moore Dry Kiln Co., Seattle, Wash.
Dunham, Mark W.—B.S.F., Reedsport, Ore.
Fenstermacher, H.—B.S.L.E., No address.
Jones, Dewitt C.—B.S.L.E., 1018 Pierce Bldg.,
St. Louis, Mo.
Kelly, Wilbur C.—B.S.F., Iron Fireman Mfg.,
80 Portland St., Toronto, Canada.
Lovegren, W. D.—B.S.L.E., Cottage Grove,
Ore.
Mulkey, Ivan L.—B.S.L.E., Pacific Power &
Light Co., P. O. Box 34, Sunnyside, Wash.
Nutting, Bernard L.—B.S.L.E., Supt., Med-
ford Corp., Medford, Ore.
Sweeney, E. J.—B.S.L.E., Postmaster, Dayton,
Ore.
Willert, Floyd B. — B.S.L.E., Postmaster,
Dayton, Ore.
Wright, Ernest—B.S.F., M.S.F. (U. of Calif.)
'27, Dept. Plant Pathology, College of
Agri., Lincoln, Neb.

1924

Benedict, Warren V.—B.S.F., Sr. Forester,
B. R. Control, 610 Syndicate Bldg., Oakland,
Calif.
Griffie, Willet E. — B.S.F., Western Pine
Assoc., 510 Yeon Bldg., Portland, Ore.
Kenyon, Edgar C., Jr.—B.S.F., Hydrographer,
2285 Lorain Road, San Marino, Calif.
Kerr, Claude—B.S.L.E., Ouachita N. F., Hot
Springs, Ark.
Knauf, Wm. J.—B.S.F., 3900 Broadway, Oak-
land, Calif.
Melis, Percy E. — B.S.L.E., Silviculturist,
U.S.F.S., Missoula, Mont.
Mowat, Edwin L.—B.S.F., M.S.F. (Yale) '27,
Ass't Silviculturist, U.S.F.S., P.O. Box 669,
Ogden, Utah.
Peterson, Harold—B.S.L.E., No address.
Reynolds, Lloyd J.—B.S.F., English Instructor,
Reed College, Portland, Ore., 3931 S. E.
Liebe, Portland, Ore.
Strong, Clarence C.—B.S.F., Ass't. Reg. For.,
Div. of Operation, Reg. 1, U.S.F.S., 810
Hastings Ave., Missoula, Mont.
Tousey, Reginald F.—B.S.F., No address.

1925

Bacher, Capt. Fred A.—B.S.F., Air Corps,
Manila, P. I.
Balderee, Elmer—B.S.L.E., Balderee Log. Co.,
Foss, Ore.
Edmunds, Milton — B.S.F., 748 Adams St.,
McMinnville, Ore.
Gilbert, Philip B.—B.S.L.E., Manager, Coos
Bay Log. Co., North Bend, Ore.
Gnose, Ira—B.S.L.E., 320 Hickory St., An-
aconda, Mont.
Hale, Millard P.—B.S.F., Morgan Hill Lbr.
Co., Morgan Hill, Calif.
Hopping, George—B.S.F., M.S.F. (Iowa) '31,
Ass't. For. Entomologist, Dominion F. S.,
Vernon, B. C.
McDaniel, Vern E.—B.S.F., M.S.F. '31, Nur-
seryman, Oregon Forest Nursery, Route 1,
Corvallis, Ore.
Mielke, James—B.S.F., M.S.F. '33, Yale Univ.,
New Haven, Conn.
Morse, Clayton—B.S.F., Building Supply Co.,
Newport, Ore.
Murdock, Kenneth M. — B.S.L.E., Forester,
West Coast Lbr. Assoc., Salem, Ore.
Robinson, Temple M.—B.S.F., Farm Security
Adm. Offices, Elizabethtown, N. C.
Rotschy, Samuel—B.S.F., M.S.F. (Yale) '27
Bessemer, Mich.
Spaur, Geo.—B.S.F., M.S.F. '37, State For-
esters Office, Salem, Ore.
Strehle, Joseph — B.S.F., The Booth-Kelly
Lumber Co., Springfield, Ore.

1926

Bursell, Homer G. — B.S.L.E., Acme Engineering Service, 422 N. E. 65 Ave., Portland, Ore.
 Fischer, Ernest E.—B.S.F., 1543 S. E. Pershing St., Portland, Ore.
 Gibson, Roy C.—B.S.L.E., Engr., Bloedel-Donovan Lbr. Co., Sappho, Wash.
 Hall, Chas. W. — B.S.L.E., Beeson-Hall Insurance Agency, 88 W. Broadway, Eugene, Ore.
 Hawkins, Leroy A.—B.S.F., Johnson Lbr. Co., Toledo, Ore.
 Janowski, Albert F. — B.S.F., Clark Wilson Lbr. Co., Linnton, Ore.
 Jones, Sidney C.—B.S.F., M.S.F., (Iowa) '27, Ass't. Entomologist, Oregon State College, Corvallis, Ore.
 Lewis, Trevor R.—B.S.L.E., Sr. Engr., W.P.A., 1112 Wash. Bldg., Tacoma, Wash.
 McGuire, Kelly B.—B.S.F., Log. Supt., Caspar Lbr. Co., Caspar, Calif.
 Obye, Herschel C.—B.S.F., Ass't For. Super., Rogue River N. F., Medford, Ore.
 Pieper, Paul S.—B.S.F., Dist. Rgr., Snoqualmie N. F., Skykomish, Wash.
 Poland, Edward W.—B.S.F., Shedd, Ore.
 Rosekrans, Charles R. — B.S.L.E., Deceased, Oct. 7, 1927.
 Shaver, James D.—B.S.L.E., Deceased, Feb. 28, 1926.
 Zobel, Lewis R. — B.S.F., Principal, High School, Prospect, Ore.

1927

Bagley, John H.—B.S.L.E., 733 Piedmont St., Salem, Ore.
 Baker, William J.—B.S.F., M.S.F., '28, Assoc. Prof., Michigan State College, East Lansing, Michigan.
 Case, Paul C.—B.S.F., M.S.F. (Yale) '27, Dist. Rgr. Santa Barbara N. F., Pozo, Calif.
 Craven, Alex R.—B.S.F., 1360, Clayton St., Denver, Colo.
 Craven, Milton — B.S.F., U.S.F.S., Myrtle Point, Ore.
 Fehren, Richard B.—B.S.F., M.S.F., (Yale) '28, Representative, Weyerhaeuser Sales Co., East Orange, N. J., Res: 95 Washington St.
 Fox, Chas. W.—B.S.F., M.S.F., '28, Gen. Mgr., International Cedar Corp., Marshfield, Ore.
 Garman, Eric H.—B.S.F., M.S.F., (Yale) '28, Victoria, B. C., Canada.
 Hann, Jay B.—B.S.F., Sierra Nat'l For., North Fork, Calif.
 Joy, Edward L.—B.S.F., Ass't. Reg. Leader B.R.C., 618 Realty Bldg. Spokane, Wn.
 Lindh, Otto C.—B.S.F., Assoc. Forester, R. O., Branch of Forest Management, Portland, Ore.
 Lund, Walter H.—B.S.F., U.S.F.S., Regional Office, Portland, Ore.
 Olsen, Alvin C. — B.S.L.E., Clover Valley Lumber Co., (Cal. Pine), Loyalton, Calif.
 Parker, Alvin L.—B.S.F., U.S.F.S., McCloud, Calif.
 Schreiner, Fred J.—B.S.L.E., Deceased, Nov. 16, 1934.
 Thompson, Paul L. — B.S.L.E., Log. Engr., Oregon-American Lumber Co., Vernonia, Ore.

1928

Bailey, Shelby—B.S.L.E., Log Engr., Woodcock Lumber Co., Bly, Ore.
 Cummings, Lawrence J. — B.S.L.E., M.S.F., (Yale) '31, Ass't. Forester, Missoula, Mont.
 Daniel, Clarence M.—B.S.L.E., 1605 S. E. 35th Ave., Portland, Ore.
 Denney, Walter Rex—B.S.F., Dist. Rgr., Siskiyou Dist., Klamath N. F., Seiad Valley, Calif.

England, Max H.—B.S.F., 543 N. 5th, Covina, Calif.
 Halsey, Wm. W.—B.S.F., Ass't. For. Engr., U.S. Indian Ser., 171 Federal Office Bldg., Minneapolis, Minn.
 Henderson, Capt. John M.—B.S.L.E., Capt., C.C.C. Headquarters, Sacramento, Calif.
 Holst, Monterey L.—B.S.F., Regional Training Officer, U.S.F.S., Hurricane Area, Boston, Mass.
 Horton, Lynn A.—B.S.L.M., Susanville, Calif.
 Hutchinson, Robt. D.—B.S.F., Box 102, Warner, Alberta., Canada.
 Miller, Douglas R.—B.S.F., Associate Forester, B.R.C., 610 Syndicate Bldg., Oakland, Calif.
 Paine, Philip L.—B.S.F., U.S.F.S. % Personnel Director's Office, Wash., D. C.
 Price, Curtis E.—B.S.F., For. Super., Minidoka N. F., Burley, Idaho.
 Rawie, Carl D.—B.S.F., For. Super., Shoshone Reservation, Fort Washakie, Wyoming.
 Richmond, Hector A.—B.S.F., % Entomological Lab., Dom. of Canada, Montreal, Canada.
 Rounsefell, Harry N. — B.S.L.E., Radcliffe, Texas.
 Weaver, Harold—B.S.F., For. Ass't, Indian Ser., 424 Federal Bldg., Spokane, Wash.

1929

Angus, C. B.—B.S.F., U.S.F.S., Moran, Mich.
 Bonney, Maurice C.—B.S.F., 303 Fourth Ave., W., Decatur, Ala.
 Brandeberry, J. K. — B.S.F., M.S.F., '29, U.S.F.S., Phelan Bldg., San Francisco, Calif.
 Byrd, Adolph C.—B.S.F., Ass't, Dry Kiln Op., Hines Lbr. Co., Hines, Ore.
 Childs, Thomas W.—B.S.F., M.S.F., (U. of Pa.) '34, Ph.D. (U. of Pa.) '36, Ass't Pathologist, Bu. of Plant Ind., F. O. Bldg., Portland, Ore. Res: 226 N. E. 18th. Ave.
 Eickworth, Lawrence W. — B.S.F., Oregon-Pacific co. Inc., North Bend, Ore.
 Grant, Jay F.—B.S.F., U.S.F.S., Thurston, Ore.
 Graw, Jack — B.S.F., Dist. Rgr., U.S.F.S., Hot Springs, Ark.
 Hawley, Norman R. — B.S.F., Tech. For., U.S.F.S., Hot Springs, Ark.
 Herzog, Theodore H.—B.S.F., Herzog Lbr. and Door Co., 1660 E. Firestone Blvd., Los Angeles, Calif.
 Janzen, Daniel H.—B.S.F., Reg. For., U. S. Biolog. Sur., Milwaukee, Wis.
 Johnson, Philip C.—B.S.F., M.S.F. '31, Ass't. Conserv., U.S. Bur. of Entom., 336 Giannini Hall, Berkeley, Calif.
 Libby, John W.—B.S.F., For. Sup., Eastern Cherokee Indian Res., Cherokee, N. C.
 Lloyd, Leslie P.—B.S.F., M.S.F. (Mich.) '30, Hawley Pulp and Paper Co., Oregon City, Ore.
 McKinnon, Findlay—B.S.F., M.S.F. (Harvard) '32, British Columbia F. S., Victoria, B. C.
 McPherson, Lester J.—B.S.F., J. F., Bend, Ore.
 McReynolds, Kenneth R. — B.S.F., U.S.F.S., Hurricane Area, Region One.
 Pepoon, Geo. W.—B.S.L.M., Box 88, Route 4, Oregon City, Ore.
 Powers, Flurian E.—B.S.F., Dist. Rgr. New Meadows, Idaho.
 Price, Perry H.—B.S.F., Juvenile Court Office, Rt. 2, Springfield, Ore.
 Scritsmier, Harold E. — B.S.L.E., Heppner, Ore. (With father in logging business.)
 Stinger, Chas. R. — B.S.L.E., Engr., U.S., Reclam. Serv., Bend, Ore.
 Taylor, Herbert G. — B.S.F., 2216 N. E. Everett, Portland, Ore. (County road dept.)
 Varney, Preston B. — B.S.L.E., 2570 Ocean Beach Blvd., Longview, Wash.
 Voorhies, Glenn — B.S.F., M.S.F. '30, Instructor in Wood Products, School of Forestry, Oregon State College, Corvallis; Ore.

1930

Bennett, Chester Allyn—B.S.F., Ass't. For. Sup., Malheur N. F., John Day, Ore.
 Brown, Ralph G.—B.S.F., Dist. Rgr., Sequoia N. For., Miramonte, Calif.
 Crawford, Ralph W.—B.S.F., For. Sup., Snoqualmie N. F., Seattle, Wash.
 DeHegy, Orelin F.—B.S.L.M., 903 E Julian St., San Jose, Calif.
 Hartman, Homer J. — B.S.F., Assoc. For., 618 Realty Bldg., Spokane, Wash.
 Iler, James C. — B.S.F., U.S.F.S., Supt. Olympia, Wash.
 Kallander, Harry R.—B.S.F., U.S. Indian Ser., Klamath Agency, Ore.
 Kearns, Richard S.—B.S.F., M.S.F. '31, Ass't Prof., School of Forestry, Oregon State College, Corvallis, Ore.
 Lane, Kenneth J.—B.S.F., U.S.F.S., 247 Hobson Ave., Hot Springs, Ark.
 Manlove, Wm. B.—B.S.F., Route 2, Ellensburg, Wash.
 Miller, Sam L. — B.S.F., State For. Office, Salem, Ore.
 Miller, Vondis E.—B.S.F., M.S.F. '31, Olympia N. F., Olympia, Wash.
 Newton, Phillip A.—B.S.F., U.S.F.S., Waldron, Ark.
 Rainwater, Theodore H.—B.S.F., Dispatcher, Coos Co., Fire Pat. Assoc., Marshfield, Ore.
 Ramsey, Fred B.—B.S.F., Dist. Rgr., U.S.F.S., Stelika R. Sta., Entiat, Wash.
 Ruhmann, Wm.—B.S.L.E., Klickitat, Wash.
 Schlegel, Frazer W.—B.S.F., U.S.F.S., Renova, Pa.
 Smith, Allen C.—B.S.L.E., Indus. Acc. Comm., (Safety Engineer) 214 S. E. 61 Ave., Portland, Ore.
 Van Wagner, Ralph M.—B.S.L.M., Fire Warden, Los Angeles Co. For. Dept., Newhall, Calif.
 Welter, Nicholas—B.S.F., For. Sup., U.S.F.S., Warm Springs, Ore.
 Whitely, Davis—B.S.F., Route 2, Box 625, Sanger, Calif.
 Wildinson, John C. — B.S.F., M.S.F. (Montana) '32, U.S.F.S., 420 U.S. Court House, Portland, Ore. 7933 S. W. 40th Ave., Portland, Ore.

1931

Arnst, Albert—B.S.F., U.S.F.S., Soil Conservation Service, Dayton, Wash.
 Aydelott, Owen L. — B.S.L.M., Mt. Baker N. F., Star Route, Granite Falls, Wash.
 Blomstrom, Roy — B.S.F., Assoc. For., 610 Syndicate Bldg., Oakland, Calif.
 Bowerman, Harold R. — B.S.F., Dist. Rgr., Umpqua N. F., Roseburg, Ore.
 Cummins, E. Ellis—B.S.L.E., Fed. Land Bank, Ass't Eng. Dept., Spokane, Wash.
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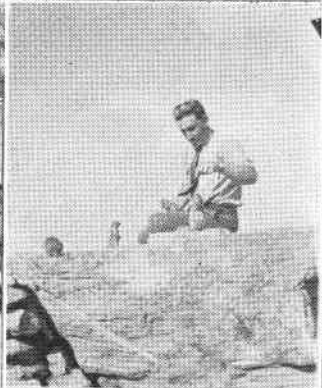
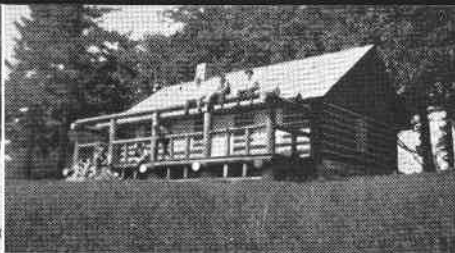
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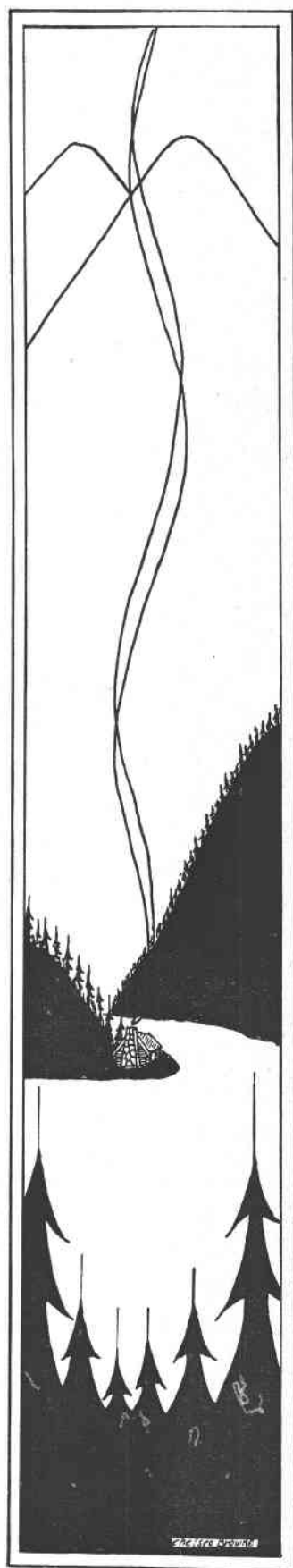
—The Editor



They look tired
 Prexy Peavy and Mammano stow it in
 Prof. can pack, believe it or not!
 Too much "Schnapps"

Peavy's retreat
 Everybody's tired
 Crawford gets next to nature
 Herbie

They're tired, too
 Bullseye!
 McCulloch gets the lay of the land



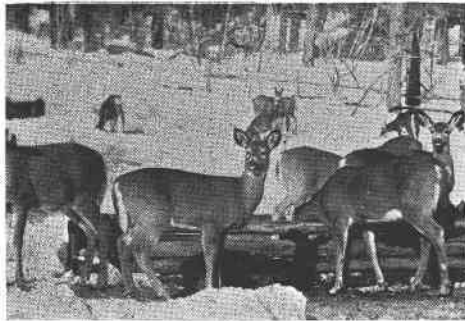
Our Advertisers and Continued Articles

The Great American Paradise

III (Continued)

So Paul he wroppt his arms around the world
and he gan to squeeze the world pretty hard,
and the Chief he tucken hold on Paul's arms—
he almost pulled Paul's arms outn the socket.
My god, hit almost killt Paul, he raised hell,
he yowled and he carried on turrible.
But the Chief he got the worst of it after all,
cause when it was over he was teenier than Paul
while before he was the biggest by far.
Cause you know what the Chief used for a leverage?
Give you three guesses. You give up?
Well, sir, he used the Moon.
Kick in the Shin he braced his feet on the Moon,
and them blue spots on the Moon is his footprints.
He braced his feet on the Moon and pulled on Paul's arms
til the World got to be round as a rooster egg.
You never seed a rooster egg?
alright, you aint never seed the World neither is you?
I mean you aint lookt at it like in the history books is you?
Course you aint, not even Lindberger is done that.
Well by god, when the North Pole swang up
it lain against Paul's year it almost froze him to death.
When the World was a ball, all pulled into a rooster egg,
Paul pulled Kick in the Shin back to Earth,
pulled him by his pants.
Cause the Chief could not walk back,
he had broke his arches in his feet, pore old Flatfoot!

—Courtesy Esquire



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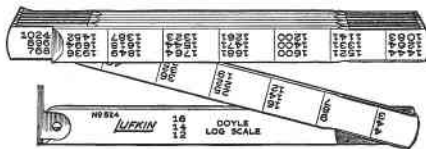
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THE NURSERY

(Continued from page 14)

where in the temperate zone of the world. Only where native species have not adapted themselves to certain site conditions, or some special wood product is desired, have other trees been given preference. Conifers for western Oregon are: Douglas fir (seed from trees in western Oregon), western red cedar, Port Orford cedar, big tree, Austrian pine, ponderosa pine, maritime pine (for sand dune planting), and Norway spruce; hardwoods are the fast growing black locust, Russian mulberry, caragana, and cascara.

During the past two years, development has been rapid under the direction of Vern E. McDaniels, State Nurseryman. To increase production and improve the quality of the seedlings, a Skinner overhead sprinkler system has been installed which is supplied with water from an eight million

gallon artificial lake situated one-quarter of a mile from the nursery. A general utility building 22 by 60 feet includes a tool room and work shop as well as a room for storage of nursery equipment upstairs. A packing room and cold storage room are in the basement. A large garage and machine shed is another improvement added recently, and at the present time a nurseryman's dwelling is being erected overlooking the nursery. The existing house will be used as an office in the future.

In the near future it is hoped that the nursery will be mechanized in order to increase efficiency of labor and improve the stock grown. The program will then include root-pruning, and new methods of cultivation and digging by machinery.

The forest nursery, through its friendly cooperation with the farmers and Federal and State agencies has proven to be of great value to forestry in Oregon.

FORESTS AND EQUIPMENT

(Continued from page 15)

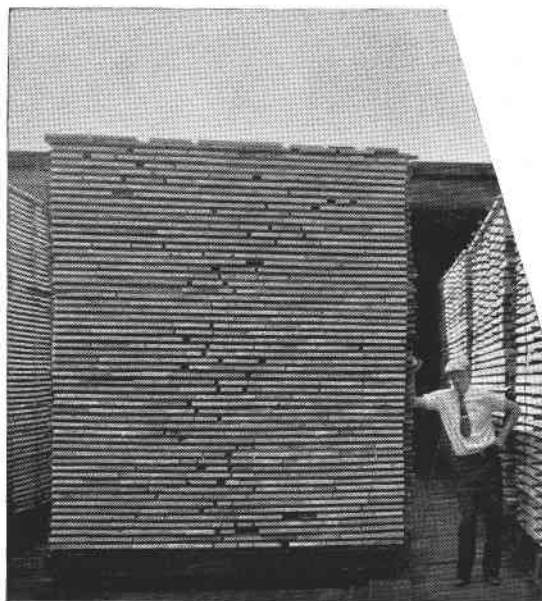
haps a few compasses, chains, axes, and like instruments were all you could get. The situation is quite different today. In fact you should see the present equipment in order to compare it with the "good old days." Instead of a few tools, the School now has several types of instruments, staff and hand compasses, over 60 tapes (trailers, 100 feet, and 200 feet), ten transits, 9 dumpy and wye levels, several abneys, and many more instruments, in fact enough to supply all the crews that need them.

Perhaps you wonder where these instruments are kept. Not in "Mase's" office any more—there has been set aside a room in the basement for housing this equipment. The instruments are issued to the crews

through lockers made up in advance by a student, who, on the average, spends 25 hours per week issuing and repairing this equipment.

Furthermore, in the days when some of you were here, you had to walk to and from the labs; later you rode in Model T's. Today, the young foresters ride to and from their labs in modern trucks. The School now owns four of them, three Fords and one GMC. Some difference!

As the School acquired new lands and equipment, the buildings did not change much, except to become almost too small for the present horde of would-be foresters. Many of you remember the days when you met in the Agriculture Building before the present building was built. Most of you remember the cabin at the Arboretum; it has changed very little, except that it is little used these



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days, except by Xi Sigma Pi for its steak feeds and by the Club for Arboretum Day once each year. Can you imagine trying to crowd over 400 fernhoppers in either of these two buildings at one time? The building situation at the "old stamping grounds" is becoming a problem. However, the building situation here has progressed. We now have an up-to-date dry kiln of 10,000 b.m. capacity, and a smaller one of 50 b.m. capacity.

This is the most outstanding building advancement. There are some progressive changes within the Forestry Building that have occurred since many of you left the Alma Mater. We have a library and a museum within the building, each occupying a room.

Yes, the old School is without a doubt moving forward! Its graduates are making names for themselves in the forestry game. Maybe it is because the outdoor laboratory and forestry equipment, as well as the instruction at the School, is keeping abreast of the time, or, perhaps, just ahead of it.

Over 600 standard commercial items are manufactured from West coast woods.

Three-ply Douglas fir has been made to 1-64 inch thick using phenol-formaldehyde as a glue.

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THE MUSEUM

(Continued from page 16)

fine red cedar roots that entered a water pipe at Myrtle Creek, Ore. These roots gradually filled the pipe until the supply of water was shut off.

To Prof. Starker goes most of the credit for the organization of the museum and bringing it to its present state. Each year Prof. and a committee appointed by the Forestry Club collect, advertise, organize, and supervise the museum.

Xi Sigma Pi has cooperated by furnishing attendants during the scheduled hours when the museum is open for inspection.

Douglas fir, comprising 70 percent of the stand of West coast timber, represents 25 percent of the standing timber of the U. S., a larger amount than any other species.



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FIELD LABORATORIES

(Continued from page 13)

uniformed driver, pulled out from the Forestry Building with a dozen or more of the calked-boot-brigade inside, on running boards, and the spare tire. These labs. were held on a cut-over quarter section given to the School by the Spaulding Logging Company.

Spring expeditions included trips to Oak Ridge, Valsetz, Breitenbush Springs, Prospect, and other places. On the last trip which was to the cabin in the Peavy Arboretum in 1929 only the sophomore engineers took part.

With increased enrollment it soon became impossible to transport the entire school to the woods. Also with the acquisition of forested lands only seven miles from the School it became possible to conduct daily field labs. for each class.

The sophomore logging engineers

spend the most man-hours in the field. Senior loggers usually go on an inspection trip during the spring term. They stop at various lumber camps and mills throughout the state to get a practical slant on various methods of logging and milling.

The "mense" labs. run a close second to engineering in popularity (?) and amount of work. In the earliest years of the Forestry School, cruising and stem analysis work were the main items of a mensuration course. The cruisers used seven men crews instead of two and could travel about a mile per day in cruising their strips. The present foresters culminate the winter term of mensuration with an all day cruising project in the McDonald Forest.

The greatest travelers and sight-seeing foresters are Prof. McCulloch's junior silviculturists. The practice of silviculture in our forests is becoming more important in our conservation program. Such terms as "sustained yield," "selective logging," and "maturity selection," are not merely words to O.S.C. silviculturists but represent the essentials of the practice of good forestry. The silviculture labs. attempt to bring out the practical considerations to the young forester.

During the year, each junior chooses an experimental project to work out and report on. A nursery project is planned by the class in this spring term's work. The high lights of spring term are the coast trip by the entire class and the trip to the Wind River Nursery in Washington.

A Douglas fir entirely enclosing an Oregon white oak was reported by the director of the Pacific Northwest Forest Experiment Station. A cross-section of the cannibal tree at the station verifies the story. Avery Park in Corvallis boasts a living example of the same strange symbiotic relation.

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FERNHOPPER BANQUET

(Continued from page 38)

In the future, the practice of sustained yield will be carried on in large districts rather than in local units; and logging will become a migratory industry due to the logger's desire to liquidate his holdings as fast as possible, Cronemiller said.

"We are a controversial country in labor, capital, and industry; therefore, to insure success in planning the future, *think things through*; do not act before analyzing results." was the advice of the state official.

Entertainment brought a lighter vein to the evening's program with musical numbers and a skit entitled "Fallen Leaves." The ego of several professors must have fallen also when they saw themselves as students see them in the caricatures which were flashed on the screen and squirmed a bit when their youthful pranks were aired by the narrator.

The musical numbers included a one man band, two accordion selections, and several melodies by the silvery-voiced trio of "Whistle Punks." After the singing of the traditional "Alouette," taps formally closed the banquet.

As a side show to the main attraction, a number of exhibits were displayed in the Spanish Ballroom. This spot proved to be very popular with the guests as a place to argue the merits of Douglas fir for flooring and bridge timbers and to defend their favorite kiln drying process. In the upper hallway of the Memorial Union lounge, a glass case held the prize pictures of the Cruise photography contest along with the past issues of the "Annual Cruise."

But all too soon for the guest who had not met that old friend yet, and the freshman who hadn't made a contact for that all-important first summer job, the lights blinked in a farewell gesture. "Old Paul" mur-

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mured, "Good bye, ay see you next year," as he smiled in the realization that those foresters would long remember this evening when they were deep in the woods around their flickering camp fire. Even now, he could see them as they spoke in anticipation of the next banquet, when once again they would leave their calked boots and tin coats in the bunk house, don their best suit, and tell "tall ones" over the turkey and "fixin's."

THE A.W.F.C. CONCLAVE

(Continued from page 36)

published the first month's issue and Oregon State the second. The first or Proceedings number of "Affairs" gave a fine summary of the doings of the Conclave. The newsletters contain the news items submitted by each forest club and are distributed to each forest club and schools of the nation.

Inter-club competition is not a new activity at Oregon State. We have already had several inter-club telegraphic rifle shoots. However, the new plan is to make this competition much more general.

The closer fellowship has begun to germinate; and as time progresses, the cooperation between clubs is going to create a substantial feeling of brotherhood among Western forestry students.

Oregon State obtained the much-sought-after privilege of being host to the next year's Conclave delegates. With this year's Conclave as a pace-maker and with a united front, we will be bigger, stronger, and more formidable and will accomplish much.

There is estimated to be about 1,200,000 board feet, log scale, of Port Orford cedar in the world, practically all of which is in southwestern Oregon.

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CALIFORNIA

WITH THE FORESTRY CLUB

(Continued from page 33)

of soul.' Harmonica solos, clog dances, bean-hole beans, burlesques, general rough-houses, kangaroo courts, strong black coffee, the blue haze of tobacco smoke, all combined at various times to strengthen each individual's interest in life in general and a forester's life in particular."

The first annual Forester's Ball was held in January of 1913 and it must have been the social event of the year because one club member said, "... the club was probably at its zenith when it gave its first annual ball in January." Another club member described that ball with a feeling much akin to that felt by many about the ball given this year when he said, "And those who glided among the firs to the entrancing strains of the waltz, while the mellow moon light sifted through the branches, felt a thrill long to be remem-

bered." In order to keep the record straight it should be remembered that at these early dances it was the custom to have tumbling and wrestling during intermission.

In the spring of 1928 a dance was not given as the members decided to give a banquet, the first, instead. Since its inception, a banquet has been held annually, and the attendance has grown from one hundred and thirty-four "Fernhoppers" and one "Fernhopperette" to over six hundred. At all such occasions the club song, "Down Under the Hill," which was brought here by Dean Peavy 29 years ago, is sung and right lustily too. Another club tradition, that of wearing a red necktie upon special occasions, is also becoming a banquet tradition. "Peavy Red" as it is called has become a mark of distinction among foresters.

Until about 1927 it was the custom for the Muckers (miners) and

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the Fernhoppers to play a football game; or rather, according to the old-timers, it was an annual opportunity for the boys from the sticks to demonstrate their superiority. The records do not disclose that the Fernhoppers ever lost a game although three of them ended in tie scores, but even on these occasions the boys from the sticks conceded themselves moral victories.

About the time when football games were discontinued (no competition, the foresters swear), it was decided to take up basketball. In a Forest Club meeting it was "... moved that a basketball team be gotten together, and a challenge issued to the miners in the strongest language possible. The motion carried." The challenge read, "School of Mines! Much as the Forestry Club hates to soil their lily white hands with the disgusting likes of you, they claim they can lick the dirty sox off any basketball team that the low-down muckers can produce." Yes, they did.

Each spring there is an Arboretum Day when each member strives to outdo his fellows in making his contribution toward developing the Peavy Arboretum.

Each Thursday night a group of Fernhoppers called "Foresters in Action" present a lurid drama of the great West over radio station KOAC.

The Forestry Club issues two publications. One is a mimeographed bi-monthly paper, the "Hi-Lead." It

is devoted to School news, members' discussions, and features such as Prof's O.T.B.E. column. The other publication is an annual which was first published in 1920, making this the twentieth issue, but it wasn't called the "Annual Cruise" until the second issue in 1921. It would seem that one of the first steps toward becoming a member of the teaching staff in the School of Forestry is to be editor of the "Annual Cruise." Ex-editors on the staff include Mason, Nettleton, Kearns, and Richen while Evenden and Lord were assistant managers.

Such are a few of the events in the life of the Forestry Club. You could add many more such as the time when on a lab. trip to Crown-Willamette Prof. Starker had difficulty picking up his galoshes after lunch. Somebody had nailed them to the board walk. Or you might think of something similar to the time when all of the seniors in old tarpapered Pol-

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ing Hall couldn't "tub" George Schroeder when he was a rook. However, a few years later when George was a graduate student a little fellow from Iowa State, Gail Thomas, literally tied him into knots. Or you might tell about the time when the Profs. all got up in front of the club to sing "Alouette." "Mac" McCulloch and George Schroeder finally had to do it practically alone.

Now you tell the next one.

One of the curiosities of the eastern Oregon country is the lava cast forest that exists in the rugged lands north of the Paulina foothills east of Bend. It is stated that the strange "forest" was formed in the not distant past by a sluggish flow of lava which moved down a gentle slope through a dense growth of trees and, cooling against the tree trunks, formed perfect casts.

HONORS AND AWARDS

(Continued from page 41)

good cooperators behind the scenes in the interests of forestry and the School. This year the Kelly Axe Company has presented the School with a large, mounted "Paul Bunyan Axe" with attached plaque for engraving the name of the outstanding graduating senior each year, the award to be based upon earnesty and fair play throughout his school career. Herb Sampert is the first man to be so cited.

Students making honors outside of the School of Forestry were Clyde M. Walker and L. Lisle Walker to Sigma Delta Chi, professional honorary in journalism; L. Lisle Walker to Phi Sigma, national honor society in biological science; Alva Blackerby to Kappa Delta Pi, national honor society in education; and finally, Ralph Floberg, Harry Swanson Jr., and Clyde Walker to Blue Key, honor society for senior men.

The use of Raylig, trade name for a by-product of pulp mills, has been suggested as a possible solution for the inexpensive maintenance of logging truck roads in Oregon and Washington. Its main constituent is lignin, the natural cement of the tree. This material is removed in the process of pulp manufacture and is usually discarded.

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BACKGROUND OF SCHOOL

(Continued from page 11)

Lumber Manufacture; and the first real progressive work was started in the wood products field of forestry. In 1930 Philip Johnson, M.S.F. 1931, was added to the forest products staff as an instructor.

In 1931 Jason Brandeberry, a former student of the School and early teaching assistant, returned to the college to become Instructor in Technical Forestry. William Baker, Asst. Professor in Wood Products in 1927, returned to the staff in 1931, after obtaining his M.S.F. Degree at Yale in 1928. Dick Kearns, a former O.S.C. graduate, became an Assistant in Forest Products in that year; and Cummings left the School to take up work with the Federal Forest Service. He is now Forest Service Mensurationist in the Rocky Mountain Experiment Station at Missoula, Mont. In 1933 Jason Brandeberry

left to join the staff of the Regional Forester in San Francisco, Calif.

Fred Schreiner, faculty member of O.S.C. School of Forestry for six years, died in 1934. A memorial to Instructor Schreiner was erected in the McDonald Forest in honor of his great service to the institution and its members.

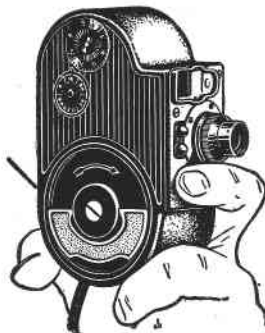
Leo Compton and Budelier became instructors in 1935. In the following year Dick Kearns became an Asst. Professor; and Glen Voorhies, a former research assistant and graduate of the College, became an instructor. Bill Baker left in that year to join the staff of the Michigan State College Dept. of Forestry. In this year a recreation option in technical forestry was first offered under Asst. Prof. Kearns.

1937 saw the addition of two more options in technical forestry, namely, grazing, and fish and game management. Harry Nettleton returned in

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that year from work with the Indian Service to become an assistant, and George Schroeder was also added to the staff as an instructor. In 1938 Instructor Compton left the staff to work with the International Cedar Corp. in Marshfield, Oregon. In 1938 Bob Evenden and Bill McCulloch became Asst. Professors and Clarence Richen and Henry Vaux became instructors.

Thus the small department in the School of Agriculture has developed from a staff of one, to the second largest forestry school in the country with a staff of fourteen able educators.

Out of 10 leading industries in Washington and Oregon, lumber payrolls comprise more than 50 percent of labor's total income.

Mills of all classes operating in the Douglas fir region number about 900.

The big "Paul Bunyan" axe in the hall of the Forestry Building, according to the Kelly Axe and Tool Works, is the largest usable axe known. The cutting edge is 6 inches wide and between cutting edges it is 11 inches. The hickory handle measures 3 feet 5 inches in length. On the axe mounting there is a plate for engraving, each year, the name of a senior with the best professional attitude.

In the forestry library you will find on the wall three certificates signifying that the American Forestry Association planted a tree for each one of the O.S.C. forestry students killed in the World War. These three oak trees are growing at the S.E. corner of the Forestry Building near the memorial bearing the names of these students: Owen Johnson, E. B. Blackden, and Richard W. Wilmot.

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Tillamook County has a freak Sitka spruce. It is ordinarily one of the stateliest and symmetrical of trees and is the largest of the spruces. The freak is a deformed spruce growing among its faultless fellows. Some distance above the ground, and apparently while the tree was still in the sapling stage, some accident caused two emergency stems to form horizontally in opposite directions. These stems, turned upward after a few feet, forming a "U" which extends to the natural height of the tree.

Above the front door of the Forestry School, there is imbedded in the cement a flask containing, among other things, the signatures of all the students and staff in the School at the time it was built. The former location of the School of Forestry was on the third floor of the "Chem Shack." Three professors then constituted the staff.

Weight for weight, Douglas fir is stronger than steel.

Siskiyou Forest was named after a bobtailed horse. Siskiyou means bobtailed horse in the Cree Indian language.

There are 546,000,000 M board feet of standing timber in western Oregon and Washington of which 331,000,000 M feet are Douglas fir.

Two hundred acres of the rare Rock rhododendron, *Kalmiopsis leachiana*, described by Harvard botanist as a throwback to the tertiary age of geological times, were destroyed in the recent fires that swept the Siskiyou National Forest. It is stated that five other patches of the plant, totaling about 1,000 acres, escaped the fire. These are the only known areas where the plant grows, and steps are being taken to protect them from human vandals.

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The Peavy Arboretum C.C.C. boys are to be commended for the many improvements they have made. Projects have included rustic signs and entrances, boundary fencing, road construction, Ribes eradication, tree nursery work, construction of Crone-miller Lake, fire line clearing, tree falling, and building construction. A spike camp is now engaged in constructing the Mary's Peak road. B. F. McKelvey is the superintendent.

The oldest growing thing is a little shrub in Pennsylvania, box huckleberry, *Gaylussachia brachysera*, not the mighty redwoods of California nor the immense cypresses, 5,000 to 9,000 years old. Botanists say that this tiny shrub on Losh's Run, 30 miles north of Harrisburg, discovered in 1920, has been growing 12,000 years to attain a height of ten inches. It is a half-hardy evergreen found also in South America.

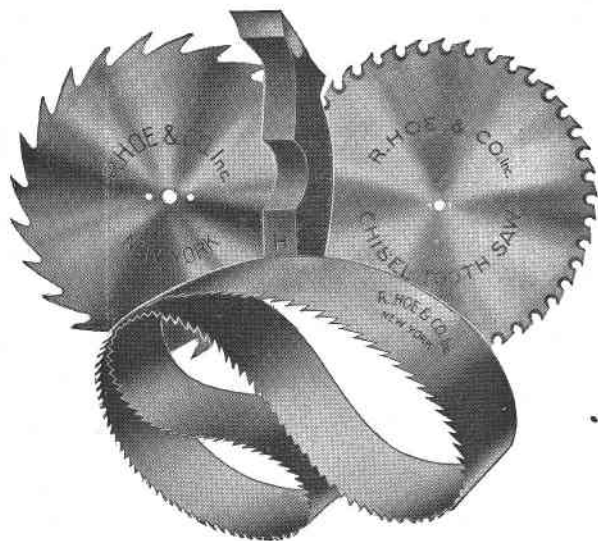
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